

# Buyer's Guide 8

**Air - Vacuum - Fluid  
Chemical - Steam**



| GROUP                                            | PAGE    |
|--------------------------------------------------|---------|
| Solenoid Valves                                  | 2 - 10  |
| Valve Selector Guide                             | 11 - 12 |
| Ball Valves                                      | 13 - 21 |
| Butterfly Valves                                 | 22 - 25 |
| Electric / Pneumatic Actuators                   | 26 - 27 |
| Knife Gate and Gate Valves                       | 28 - 29 |
| Globe / Needle / Angle Seat Valves               | 30      |
| Check Valves                                     | 30 - 31 |
| Duck Bill Check Valves / Pinch Valves            | 32 - 33 |
| Strainers                                        | 34      |
| Timers / Auto Drains                             | 35      |
| Pressure Gauge / Flow Transmitter                | 36      |
| Pressure Switch / Temperature Switch / DIN Plugs | 37      |
| Gear Boxes / Accessories                         | 38      |
| Electric Actuators – Fail Safe                   | 39      |

Approvals



## 2 Way

### AIR / WATER / VACUUM



Series 2

Brass  
Direct Acting  
Normally  
closed / open

| Model                                                    | Function/<br>Port Size | Orifice | CV | Pressure (Bar)<br>Air & Fluid |      | Vacuum<br>Hg” | Media<br>Temperature | Material<br>of<br>Construction | Features                                                                    |
|----------------------------------------------------------|------------------------|---------|----|-------------------------------|------|---------------|----------------------|--------------------------------|-----------------------------------------------------------------------------|
|                                                          |                        |         |    | AC                            | DC   |               |                      |                                |                                                                             |
| Normally Closed / Normally Open - Manual Override. BRASS |                        |         |    |                               |      |               |                      |                                |                                                                             |
| B25 - 2 - 2 - * V                                        | N.C.<br>               | 1/4<br> | 2  | 0.1                           | 0-12 | 0-12          | ↑<br>27<br>↓         | -10°C<br> <br>100°C            | Body: Brass<br>Seals: Viton<br>Operator:<br>Stainless Steel                 |
| B26 - 2 - 2 - * V                                        | N.O.                   | 1/4     | 2  | 0.1                           | 0-12 | 0-12          |                      |                                |                                                                             |
|                                                          |                        |         |    |                               |      |               |                      |                                | Air, Fluid & Vacuum<br>Manual Override<br>Direct Acting<br>10VA AC<br>7W DC |

### AIR / FLUID / VACUUM



Series 2

304 St/St  
Direct Acting  
Normally Closed/  
Normally Open

| Normally Closed / Normally Open - Manual Override. SS304 |      |     |     |     |      |      |              |                     |                                                                                  |                         |
|----------------------------------------------------------|------|-----|-----|-----|------|------|--------------|---------------------|----------------------------------------------------------------------------------|-------------------------|
| S25 - 2 - 2 - * V                                        | N.C. | 1/4 | 1.5 | 0.1 | 0-12 | 0-12 | ↑<br>27<br>↓ | -10°C<br> <br>100°C | Body:<br>304 Stainless<br>Steel.<br>Seals: Viton<br>Operator:<br>Stainless Steel | Air, Fluid &<br>Vacuum. |
| S26 - 2 - 2 - * V                                        | N.O. | 1/4 | 1.5 | 0.1 | 0-12 | 0-12 |              |                     |                                                                                  | Manual Override.        |
|                                                          |      |     |     |     |      |      |              |                     |                                                                                  | Direct Acting.          |
|                                                          |      |     |     |     |      |      |              |                     |                                                                                  | 11VA AC<br>15W DC       |

### AIR / WATER



'Econo'  
Series B35  
Soft Close

Brass  
Differential  
Normally closed

| Normally Closed. BRASS      |      |       |    |     |        |        |     |       |                                                                  |                                                   |
|-----------------------------|------|-------|----|-----|--------|--------|-----|-------|------------------------------------------------------------------|---------------------------------------------------|
| B35 - 2 - 10 - * N          | N.C. | 1/4   | 10 | 2.3 | 0.3-10 | 0.3-10 | N/A | -10°C | Body: Brass<br><br>Operator:<br>Stainless Steel<br><br>Seat: NBR | Air, Fluid<br>Soft Close<br><br>11VA AC<br>15W DC |
| B35 - 3 - 10 - * N          |      | 3/8   | 10 | 2.3 | 0.3-10 | 0.3-10 |     |       |                                                                  |                                                   |
| B35 - 4 - 10 - * N          |      | 1/2   | 10 | 3   | 0.3-10 | 0.3-10 |     |       |                                                                  |                                                   |
| B35 - 4 - 14 - * N          |      | 1/2   | 14 | 5   | 0.3-16 | 0.3-16 |     |       |                                                                  |                                                   |
| B35 - 5 - 14 - * N          |      | 3/4   | 14 | 5   | 0.3-16 | 0.3-16 |     |       |                                                                  |                                                   |
| B35 - 5 - 20 - * N          |      | 3/4   | 20 | 10  | 0.3-16 | 0.3-16 |     |       |                                                                  |                                                   |
| B35 - 6 - 20 - * N          |      | 1     | 20 | 11  | 0.3-16 | 0.3-16 |     |       |                                                                  |                                                   |
| B35 - 7 - 40 - * N          |      | 1-1/4 | 40 | 28  | 0.7-16 | 0.7-16 |     |       |                                                                  |                                                   |
| B35 - 8 - 40 - * N          |      | 1-1/2 | 40 | 34  | 0.7-16 | 0.7-16 |     |       |                                                                  |                                                   |
| B35 - 9 - 50 - * N          | N.C. | 2     | 50 | 50  | 0.7-16 | 0.7-16 |     |       |                                                                  |                                                   |
| Also available with flanges |      |       |    |     |        |        |     |       |                                                                  |                                                   |

### AIR / WATER



'Econo'  
Series B35M  
Soft Close

Brass  
Differential  
Normally Closed

| Normally Closed - Manual Override. BRASS |      |       |    |    |        |        |     |       |                                                                      |                                                                      |
|------------------------------------------|------|-------|----|----|--------|--------|-----|-------|----------------------------------------------------------------------|----------------------------------------------------------------------|
| B35M - 4 - 14 - * N                      | N.C. | 1/2   | 14 | 5  | 0.3-16 | 0.3-16 | N/A | -10°C | Body:<br>Brass<br><br>Seals: NBR<br><br>Operator:<br>Stainless Steel | Air, Fluid<br>Soft Close<br>Manual Override<br><br>11VA AC<br>15W DC |
| B35M - 5 - 20 - * N                      |      | 3/4   | 20 | 10 | 0.3-16 | 0.3-16 |     |       |                                                                      |                                                                      |
| B35M - 6 - 20 - * N                      |      | 1     | 20 | 11 | 0.3-16 | 0.3-16 |     |       |                                                                      |                                                                      |
| B35M - 7 - 40 - * N                      |      | 1 1/4 | 40 | 28 | 0.7-16 | 0.7-16 |     |       |                                                                      |                                                                      |
| B35M - 8 - 40 - * N                      |      | 1 1/2 | 40 | 34 | 0.7-16 | 0.7-16 |     |       |                                                                      |                                                                      |
| B35M - 9 - 50 - * N                      | N.C. | 2     | 50 | 50 | 0.7-16 | 0.7-16 |     | 80°C  |                                                                      |                                                                      |
| Also available with flanges              |      |       |    |    |        |        |     |       |                                                                      |                                                                      |

### AIR / WATER



'Econo'  
Series B36  
Soft Close

Brass  
Differential  
Normally Open

| Normally Open. BRASS        |      |       |    |    |        |        |                     |       |                                                                  |                                                                                                                       |
|-----------------------------|------|-------|----|----|--------|--------|---------------------|-------|------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| B36 - 2 - 14 - * N          | N.O. | 1/4   | 14 | 3  | 0.3-16 | 0.3-16 | <br><br>N/A<br><br> | -10°C | Body: Brass<br><br>Operator:<br>Stainless Steel<br><br>Seat: NBR | Air, Fluid<br>Soft Close<br><br>11VA AC<br>15W DC<br>Part #s B36-7 to<br>B36-9<br>20VA AC<br>17W DC 24V<br>21W DC 12V |
| B36 - 3 - 14 - * N          |      | 3/8   | 14 | 4  | 0.3-16 | 0.3-16 |                     |       |                                                                  |                                                                                                                       |
| B36 - 4 - 14 - * N          |      | 1/2   | 14 | 5  | 0.3-16 | 0.3-16 |                     |       |                                                                  |                                                                                                                       |
| B36 - 5 - 20 - * N          |      | 3/4   | 20 | 10 | 0.3-16 | 0.3-16 |                     |       |                                                                  |                                                                                                                       |
| B36 - 6 - 20 - * N          |      | 1     | 20 | 11 | 0.3-16 | 0.3-16 |                     |       |                                                                  |                                                                                                                       |
| B36 - 7 - 40 - * N          |      | 1-1/4 | 40 | 28 | 0.7-16 | 0.7-16 |                     |       |                                                                  |                                                                                                                       |
| B36 - 8 - 40 - * N          |      | 1-1/2 | 40 | 34 | 0.7-16 | 0.7-16 |                     |       |                                                                  |                                                                                                                       |
| B36 - 9 - 50 - * N          | N.O. | 2     | 50 | 50 | 0.7-16 | 0.7-16 |                     | 80°C  |                                                                  |                                                                                                                       |
| Also available with flanges |      |       |    |    |        |        |                     |       |                                                                  |                                                                                                                       |

### AIR / WATER



Series 8

Cast Iron  
Differential  
Normally Closed / Open

| Normally Closed / Normally Open. Cast Iron |      |       |    |        |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |  |  |
|--------------------------------------------|------|-------|----|--------|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|
| C85 - 8 - 40 - *                           | N.C. | 1-1/2 | 40 | 1.5-16 | 1.5-16 | ↑<br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br> |  |  |  |

## 2 Way

### AIR / WATER / VACUUM



#### Normally Closed. SS304

| Model              | Function/<br>Port Size | Orifice<br>BSP | CV<br>Ømm | CV   | Pressure (Bar)<br>Air & Fluid |      | Vacuum<br>Hg" | Media<br>Temperature | Material<br>of<br>Construction   | Features                |
|--------------------|------------------------|----------------|-----------|------|-------------------------------|------|---------------|----------------------|----------------------------------|-------------------------|
|                    |                        |                |           |      | AC                            | DC   |               |                      |                                  |                         |
| ES55 - 1 - 1 - * V | N.C.                   | 1/8            | 1.0       | 0.04 | 0-25                          | 0-25 | 27            | -10°C                | Body:<br>304 Stainless<br>Steel. | Air, Fluid<br>& Vacuum. |
| ES55 - 2 - 2 - * V | 1/4                    | 2.0            | 0.10      | 0-16 | 0-16                          | 0-16 | 27            | 100°C                | Seals:<br>Viton                  | Direct Acting.          |
| ES55 - 2 - 3 - * V | 1/4                    | 3.0            | 0.20      | 0-10 | 0-10                          | 0-10 | 27            |                      | Operator:<br>Stainless Steel     | 11VA AC<br>15W DC       |
| ES55 - 2 - 4 - * V | N.C.                   | 1/4            | 4.0       | 0.40 | 0-6                           | 0-6  | 27            |                      |                                  |                         |

### AIR / WATER / VACUUM



#### Normally Closed. SS304

|                      |             |     |     |     |     |     |    |       |                                  |                              |
|----------------------|-------------|-----|-----|-----|-----|-----|----|-------|----------------------------------|------------------------------|
| ES55 - 3 - 16 - * N  | N.C.        | 3/8 | 16  | 4.8 | 0-5 | 0-5 | 27 | -10°C | Body:<br>304 Stainless<br>Steel. | Air, Fluid<br>& Vacuum.      |
| ES55 - 4 - 16 - * N  | 1/2         | 16  | 4.8 | 0-5 | 0-5 | 0-5 | 27 |       | Seals:<br>NBR                    | 304 Body<br>(Optional 316SS) |
| ES55 - 5 - 20 - * N  | 3/4         | 20  | 7.6 | 0-5 | 0-5 | 0-5 | 27 |       | Operator:<br>Stainless Steel     | Zero Differential            |
| ES55 - 6 - 25 - * N  | 1           | 25  | 12  | 0-5 | 0-5 | 0-5 | 27 |       |                                  | 26VA AC<br>18W DC            |
| ES55 - 7 - 35 - * N  | 1-1/4       | 35  | 24  | 0-5 | 0-5 | 0-5 | 27 |       |                                  | ES55-7 to 9                  |
| ES55 - 8 - 40 - * N  | 1-1/2       | 40  | 29  | 0-5 | 0-5 | 0-5 | 27 |       |                                  | 28VA AC<br>30W DC            |
| ES55 - 9 - 50 - * N  | 2           | 50  | 48  | 0-5 | 0-5 | 0-5 | 27 |       |                                  |                              |
| ES55 - 6F - 25 - * N | Flange      | 25  | 12  | 0-5 | 0-5 | 0-5 | 27 |       |                                  |                              |
| ES55 - 8F - 40 - * N | Flange      | 40  | 29  | 0-5 | 0-5 | 0-5 | 27 |       |                                  |                              |
| ES55 - 9F - 50 - * N | N.C. Flange | 50  | 48  | 0-5 | 0-5 | 0-5 | 27 | 80°C  |                                  |                              |

### AIR / WATER / VACUUM



#### Normally Open. SS304

|                     |      |     |     |     |     |     |    |       |                                  |                              |
|---------------------|------|-----|-----|-----|-----|-----|----|-------|----------------------------------|------------------------------|
| ES56 - 3 - 4 - * N  | N.O. | 3/8 | 4   | 0.4 | 0-5 | 0-5 | 27 | -10°C | Body:<br>304 Stainless<br>Steel. | Air, Fluid<br>& Vacuum.      |
| ES56 - 4 - 16 - * N | 1/2  | 16  | 4.8 | 0-5 | 0-5 | 0-5 | 27 |       | Seals:<br>NBR                    | 304 Body<br>(Optional 316SS) |
| ES56 - 5 - 20 - * N | 3/4  | 20  | 7.6 | 0-5 | 0-5 | 0-5 | 27 |       | Operator:<br>Stainless Steel     | Zero Differential            |
| ES56 - 6 - 25 - * N | N.O. | 1   | 25  | 12  | 0-5 | 0-5 | 27 | 80°C  |                                  | 45VA AC<br>30W DC            |

### AIR / WATER



#### Normally Closed. SS304

|                    |       |     |     |         |         |         |    |       |                                  |                   |
|--------------------|-------|-----|-----|---------|---------|---------|----|-------|----------------------------------|-------------------|
| S35 - 2 - 10 - * E | N.C.  | 1/4 | 10  | 2.3     | 0.25-10 | 0.25-10 | 27 | -10°C | Body:<br>304 Stainless<br>Steel. | Air, Fluid        |
| S35 - 3 - 10 - * E | 3/8   | 10  | 2.3 | 0.25-10 | 0.25-10 | 0.25-10 | 27 |       | Seal:<br>EPDM                    | 11VA AC<br>15W DC |
| S35 - 4 - 10 - * E | 1/2   | 10  | 3   | 0.25-10 | 0.25-10 | 0.25-10 | 27 |       |                                  |                   |
| S35 - 4 - 14 - * E | 1/2   | 14  | 5   | 0.25-16 | 0.25-16 | 0.25-16 | 27 |       |                                  |                   |
| S35 - 5 - 20 - * E | 3/4   | 20  | 10  | 0.25-16 | 0.25-16 | 0.25-16 | 27 |       |                                  |                   |
| S35 - 6 - 25 - * E | 1     | 25  | 11  | 0.25-16 | 0.25-16 | 0.25-16 | 27 |       |                                  |                   |
| S35 - 7 - 40 - * E | 1-1/4 | 40  | 28  | 0.7-16  | 0.7-16  | 0.7-16  | 27 |       |                                  |                   |
| S35 - 8 - 40 - * E | 1-1/2 | 40  | 34  | 0.7-16  | 0.7-16  | 0.7-16  | 27 |       |                                  |                   |
| S35 - 9 - 50 - * E | N.C.  | 2   | 50  | 50      | 0.7-16  | 0.7-16  | 27 | 90°C  |                                  |                   |

Flanged available

### AIR / WATER



#### Normally Open. SS304

|                    |       |     |    |         |         |         |    |       |                                  |                                                                  |
|--------------------|-------|-----|----|---------|---------|---------|----|-------|----------------------------------|------------------------------------------------------------------|
| S36 - 4 - 14 - * E | N.O.  | 1/2 | 14 | 5       | 0.25-16 | 0.25-16 | 27 | -10°C | Body:<br>304 Stainless<br>Steel. | Air, Fluid                                                       |
| S36 - 5 - 20 - * E | 3/4   | 20  | 10 | 0.25-16 | 0.25-16 | 0.25-16 | 27 |       | Seal:<br>EPDM                    | 11VA AC<br>15W DC                                                |
| S36 - 6 - 25 - * E | 1     | 25  | 11 | 0.25-16 | 0.25-16 | 0.25-16 | 27 |       |                                  |                                                                  |
| S36 - 7 - 40 - * E | 1-1/4 | 40  | 28 | 0.7-16  | 0.7-16  | 0.7-16  | 27 |       |                                  |                                                                  |
| S36 - 8 - 40 - * E | 1-1/2 | 40  | 34 | 0.7-16  | 0.7-16  | 0.7-16  | 27 |       |                                  |                                                                  |
| S36 - 9 - 50 - * E | N.O.  | 2   | 50 | 50      | 0.7-16  | 0.7-16  | 27 | 90°C  |                                  | Part #s S36-7<br>to S36-9<br>20VA AC<br>17W DC 24V<br>21W DC 12V |

Flanged available

### POTABLE WATER



#### Normally Closed. SS304 (Watermark Approved)

|                     |       |     |    |           |           |           |    |       |                                  |                      |
|---------------------|-------|-----|----|-----------|-----------|-----------|----|-------|----------------------------------|----------------------|
| WS35 - 4 - 14 - * E | N.C.  | 1/2 | 14 | 5         | 0.25 - 16 | 0.25 - 16 | 27 | -10°C | Body:<br>304 Stainless<br>Steel. | Air, Fluid           |
| WS35 - 5 - 20 - * E | 3/4   | 20  | 10 | 0.25 - 16 | 0.25 - 16 | 0.25 - 16 | 27 |       | Seal:<br>EPDM                    | Watermark<br>License |
| WS35 - 6 - 25 - * E | 1     | 25  | 11 | 0.25 - 16 | 0.25 - 16 | 0.25 - 16 | 27 |       |                                  | WMKA 21409           |
| WS35 - 7 - 40 - * E | 1-1/4 | 40  | 28 | 0.7 - 16  | 0.7 - 16  | 0.7 - 16  | 27 |       |                                  |                      |
| WS35 - 8 - 40 - * E | 1-1/2 | 40  | 34 | 0.7 - 16  | 0.7 - 16  | 0.7 - 16  | 27 |       |                                  |                      |
| WS35 - 9 - 50 - * E | N.C.  | 2   | 50 | 50        | 0.7 - 16  | 0.7 - 16  | 27 | 90°C  | WMKA 2109<br>SPEC 30             | 11VA AC<br>15W DC    |

### POTABLE WATER



#### Normally Open. SS304 (Watermark Approved)

|                     |       |     |    |           |           |           |    |       |                                  |                                                                    |
|---------------------|-------|-----|----|-----------|-----------|-----------|----|-------|----------------------------------|--------------------------------------------------------------------|
| WS36 - 4 - 14 - * E | N.O.  | 1/2 | 14 | 5         | 0.25 - 16 | 0.25 - 16 | 27 | -10°C | Body:<br>304 Stainless<br>Steel. | Air, Fluid                                                         |
| WS36 - 5 - 20 - * E | 3/4   | 20  | 10 | 0.25 - 16 | 0.25 - 16 | 0.25 - 16 | 27 |       | Seal:<br>EPDM                    | 11VA AC<br>15W DC                                                  |
| WS36 - 6 - 25 - * E | 1     | 25  | 11 | 0.25 - 16 | 0.25 - 16 | 0.25 - 16 | 27 |       |                                  |                                                                    |
| WS36 - 7 - 40 - * E | 1-1/4 | 40  | 28 | 0.7 - 16  | 0.7 - 16  | 0.7 - 16  | 27 |       |                                  |                                                                    |
| WS36 - 8 - 40 - * E | 1-1/2 | 40  | 34 | 0.7 - 16  | 0.7 - 16  | 0.7 - 16  | 27 |       |                                  |                                                                    |
| WS36 - 9 - 50 - * E | N.O.  | 2   | 50 | 50        | 0.7 - 16  | 0.7 - 16  | 27 | 90°C  | WMKA 2109<br>SPEC 30             | Part #s WS36-7<br>to WS36-9<br>20VA AC<br>17W DC 24V<br>21W DC 12V |



## 2 Way

### STEAM / HIGH TEMP



| Model                                           | Function/<br>Port Size |       | Orifice | CV    | Pressure (Bar)<br>Air & Fluid |        | Media<br>Temperature |                    | Material<br>of<br>Construction                   | Features                                                                                                                                |
|-------------------------------------------------|------------------------|-------|---------|-------|-------------------------------|--------|----------------------|--------------------|--------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
|                                                 | BSP                    | Ømm   | CV      | STEAM | OIL                           | STEAM  | AIR/OIL              |                    |                                                  |                                                                                                                                         |
| Normally Closed. BRASS - Optional DIN IP65 Coil |                        |       |         |       |                               |        |                      |                    |                                                  |                                                                                                                                         |
| B75 - 2 - 3 - * TF                              | N.C.                   | 1/4   | 3       | 0.26  | 0-10                          | 0-10   | -10°C                | -10°C              | Body: Brass                                      | Steam (180°C)<br>Air & Oil (200°C)<br>High Temp. Piston<br>Type.<br><br>B75-2<br>9VA AC<br>8W DC<br>B75-3 to B75-9<br>33VA AC<br>25W DC |
| B75 - 2 - 5 - * TF                              |                        | 1/4   | 5       | 0.64  | 0-6                           | 0-6    |                      |                    |                                                  |                                                                                                                                         |
| B75 - 3 - 4 - * TF                              |                        | 3/8   | 4       | 0.58  | 0-10                          | 0-7    |                      |                    |                                                  |                                                                                                                                         |
| B75 - 4 - 15 - * TF                             |                        | 1/2   | 15      | 4.5   | 0.5-10                        | 0.5-20 |                      |                    |                                                  |                                                                                                                                         |
| B75 - 5 - 20 - * TF                             |                        | 3/4   | 20      | 9.3   | 0.5-10                        | 0.5-20 | 180°C                | 200°C              | Operator:<br>Stainless Steel<br>Type H Coil IP55 |                                                                                                                                         |
| B75 - 6 - 25 - * TF                             |                        | 1     | 25      | 13.2  | 0.5-10                        | 0.5-20 |                      |                    |                                                  |                                                                                                                                         |
| B75 - 7 - 35 - * TF                             |                        | 1-1/4 | 35      | 26    | 0.5-10                        | 0.5-20 |                      |                    |                                                  |                                                                                                                                         |
| B75 - 8 - 35 - * TF                             |                        | 1-1/2 | 35      | 26    | 0.5-10                        | 0.5-20 |                      |                    |                                                  |                                                                                                                                         |
| B75 - 9 - 50 - * TF                             | N.C.                   | 2     | 50      | 48    | 0.5-10                        | 0.5-20 |                      | Optional: DIN Plug |                                                  |                                                                                                                                         |

### STEAM / HIGH TEMP



|                                                        |      |        |    |      |        |        |       |       |                                                                                                                           |                                                                                                                                      |
|--------------------------------------------------------|------|--------|----|------|--------|--------|-------|-------|---------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| <b>Normally Closed. SS304 - Optional DIN IP65 Coil</b> |      |        |    |      |        |        |       |       |                                                                                                                           |                                                                                                                                      |
| S75 - 4 - 15 - * TF                                    | N.C. | 1/2    | 15 | 4.5  | 0.5-10 | 0.5-20 | -10°C | -10°C | Body: 304SS<br>Option: 316SS<br>Seals: PTFE<br>Operator:<br>Stainless Steel<br>Type H Coil IP55<br><br>Optional: DIN Plug | Steam (180°C)<br>Air & Oil (200°C)<br>High Temp. Piston<br>Type.<br><br>33VA AC<br>25W DC<br><br>Optional:<br>High Temp.<br>to 250°C |
| S75 - 5 - 20 - * TF                                    |      | 3/4    | 20 | 9.3  | 0.5-10 | 0.5-20 |       |       |                                                                                                                           |                                                                                                                                      |
| S75 - 6 - 25 - * TF                                    |      | 1      | 25 | 13.2 | 0.5-10 | 0.5-20 |       |       |                                                                                                                           |                                                                                                                                      |
| S75 - 7 - 35 - * TF                                    |      | 1-1/4  | 35 | 26   | 0.5-10 | 0.5-20 |       |       |                                                                                                                           |                                                                                                                                      |
| S75 - 8 - 35 - * TF                                    |      | 1-1/2  | 35 | 26   | 0.5-10 | 0.5-20 |       |       |                                                                                                                           |                                                                                                                                      |
| S75 - 9 - 50 - * TF                                    | N.C. | 2      | 50 | 48   | 0.5-10 | 0.5-20 | 180°C | 200°C |                                                                                                                           |                                                                                                                                      |
| S75FA - 6 - 25 - * TF                                  | N.C. | ANSI   | 25 | 13.2 | 0.5-10 | 0.5-20 | -10°C | -10°C |                                                                                                                           |                                                                                                                                      |
| S75FA - 8 - 35 - * TF                                  |      | 150    | 35 | 26   | 0.5-10 | 0.5-20 |       |       |                                                                                                                           |                                                                                                                                      |
| S75FA - 9 - 50 - * TF                                  | N.C. | Flange | 50 | 48   | 0.5-10 | 0.5-20 | 180°C | 200°C |                                                                                                                           |                                                                                                                                      |
|                                                        |      |        |    |      |        |        |       |       |                                                                                                                           |                                                                                                                                      |

### 316 STAINLESS STEEL



|                               |      |        |    |      |        |        |       |       |                                                                                                          |                                                                                           |
|-------------------------------|------|--------|----|------|--------|--------|-------|-------|----------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| <b>Normally Closed. SS316</b> |      |        |    |      |        |        |       |       |                                                                                                          |                                                                                           |
| SS75 - 4 - 15 - * TF          | N.C. | 1/2    | 15 | 4.5  | 0.5-10 | 0.5-20 | -10°C | -10°C | Body: 316SS<br>Seals: PTFE<br>Operator:<br>Stainless Steel<br>Type H Coil IP55<br><br>Optional: DIN Plug | Steam (180°C)<br>Air & Oil (200°C)<br>High Temp.<br>Piston Type.<br><br>33VA AC<br>25W DC |
| SS75 - 5 - 20 - * TF          |      | 3/4    | 20 | 9.3  | 0.5-10 | 0.5-20 |       |       |                                                                                                          |                                                                                           |
| SS75 - 6 - 25 - * TF          |      | 1      | 25 | 13.2 | 0.5-10 | 0.5-20 |       |       |                                                                                                          |                                                                                           |
| SS75 - 7 - 35 - * TF          |      | 1-1/4  | 35 | 26   | 0.5-10 | 0.5-20 |       |       |                                                                                                          |                                                                                           |
| SS75 - 8 - 35 - * TF          |      | 1-1/2  | 35 | 26   | 0.5-10 | 0.5-20 |       |       |                                                                                                          |                                                                                           |
| SS75 - 9 - 50 - * TF          | N.C. | 2      | 50 | 48   | 0.5-10 | 0.5-20 | 180°C | 200°C |                                                                                                          |                                                                                           |
| SS75FA - 6 - 25 - * TF        | N.C. | ANSI   | 25 | 13.2 | 0.5-10 | 0.5-20 | -10°C | -10°C |                                                                                                          |                                                                                           |
| SS75FA - 8 - 35 - * TF        |      | 150    | 35 | 26   | 0.5-10 | 0.5-20 |       |       |                                                                                                          |                                                                                           |
| SS75FA - 9 - 50 - * TF        | N.C. | Flange | 50 | 48   | 0.5-10 | 0.5-20 | 180°C | 200°C |                                                                                                          |                                                                                           |
|                               |      |        |    |      |        |        |       |       |                                                                                                          |                                                                                           |

### VERY HIGH TEMP



|                               |      |       |    |      |        |        |       |       |                                                                                                  |                                                                                           |
|-------------------------------|------|-------|----|------|--------|--------|-------|-------|--------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| <b>Normally Closed. SS304</b> |      |       |    |      |        |        |       |       |                                                                                                  |                                                                                           |
| S75T - 4 - 15 - * TF          | N.C. | 1/2   | 15 | 4.5  | 0.5-16 | 0.5-20 | -10°C | -10°C | Body: 304SS<br>Seals: RTFE<br>(PTFE + Metal)<br>Operator:<br>Stainless Steel<br>Type H Coil IP55 | Steam (200°C)<br>Air & Oil (250°C)<br>High Temp. Piston<br>Type.<br><br>33VA AC<br>25W DC |
| S75T - 5 - 20 - * TF          |      | 3/4   | 20 | 9.3  | 0.5-16 | 0.5-20 |       |       |                                                                                                  |                                                                                           |
| S75T - 6 - 25 - * TF          |      | 1     | 25 | 13.2 | 0.5-16 | 0.5-20 |       |       |                                                                                                  |                                                                                           |
| S75T - 8 - 35 - * TF          |      | 1-1/2 | 35 | 26   | 0.5-16 | 0.5-20 |       |       |                                                                                                  |                                                                                           |
| S75T - 9 - 50 - * TF          | N.C. | 2     | 50 | 48   | 0.5-16 | 0.5-20 | 220°C | 250°C |                                                                                                  |                                                                                           |
|                               |      |       |    |      |        |        |       |       |                                                                                                  |                                                                                           |
|                               |      |       |    |      |        |        |       |       |                                                                                                  |                                                                                           |
|                               |      |       |    |      |        |        |       |       |                                                                                                  |                                                                                           |
|                               |      |       |    |      |        |        |       |       |                                                                                                  |                                                                                           |
|                               |      |       |    |      |        |        |       |       |                                                                                                  |                                                                                           |

Flange ANSI 150 Optional

### High Pressure

#### AIR / FLUID



| Model                  | Function/<br>Port Size |     | Orifice | CV   | Pressure (Bar)<br>Air & Fluid |       | Vacuum<br>Hg” | Media<br>Temperature | Material<br>of<br>Construction                    | Features                                                                                                                               |
|------------------------|------------------------|-----|---------|------|-------------------------------|-------|---------------|----------------------|---------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
|                        | BSP                    | Ømm | CV      |      |                               |       |               |                      |                                                   |                                                                                                                                        |
|                        |                        |     |         | AC   | DC                            |       |               |                      |                                                   |                                                                                                                                        |
| Normally Closed. BRASS |                        |     |         |      |                               |       |               |                      |                                                   |                                                                                                                                        |
| B55H - 2 - 1.2 * T     | N.C.                   | 1/4 | 1.2     | 0.07 | 0-120                         | 0-84  | 27            | -10°C                | Body: Brass<br><br>Seals: Teflon<br>Viton 2-4/2-5 | Air, Fluid & Vacuum<br>Direct Acting<br><br>-T 24.4VA AC<br>17.5W DC<br>DIN Plug IP65<br><br>-TF 20VA AC<br>33W DC<br>Flying Lead IP54 |
| B55H - 2 - 1.2 * T F   |                        |     | 1.2     | 0.07 | 0-150                         | 0-105 |               |                      |                                                   |                                                                                                                                        |
| B55H - 2 - 1.6 * T     |                        |     | 1.6     | 0.09 | 0-60                          | 0-42  |               |                      |                                                   |                                                                                                                                        |
| B55H - 2 - 1.6 * T F   |                        |     | 1.6     | 0.09 | 0-80                          | 0-56  |               |                      |                                                   |                                                                                                                                        |
| B55H - 2 - 2 * T       |                        |     | 2       | 0.11 | 0-30                          | 0-21  |               |                      |                                                   |                                                                                                                                        |
| B55H - 2 - 2 * T F     |                        |     | 2       | 0.11 | 0-60                          | 0-42  |               |                      |                                                   |                                                                                                                                        |
| B55H - 2 - 3 * T       |                        |     | 3       | 0.26 | 0-20                          | 0-14  |               |                      |                                                   |                                                                                                                                        |
| B55H - 2 - 3 * T F     |                        |     | 3       | 0.26 | 0-40                          | 0-28  |               |                      |                                                   |                                                                                                                                        |
| B55H - 2 - 4 * V       |                        |     | 4       | 0.58 | 0-12                          | 0-8   |               |                      |                                                   |                                                                                                                                        |
| B55H - 2 - 4 * V F     |                        |     | 4       | 0.58 | 0-20                          | 0-14  |               |                      |                                                   |                                                                                                                                        |
| B55H - 2 - 5 * V       | N.C.                   | 1/4 | 5       | 0.64 | 0-10                          | 0-7   | 120°C         |                      |                                                   |                                                                                                                                        |
| B55H - 2 - 5 * V F     |                        |     | 5       | 0.64 | 0-15                          | 0-10  |               |                      |                                                   |                                                                                                                                        |

#### AIR / FLUID



| Normally Closed. SS316 |      |     |     |      |       |       |       |       |                                                                        |                                                                                                                                        |  |  |  |
|------------------------|------|-----|-----|------|-------|-------|-------|-------|------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|--|--|--|
| S55H - 2 - 1.2 * T     | N.C. | 1/4 | 1.2 | 0.07 | 0-120 | 0-84  | 27    | -10°C | Body: 316<br>Stainless<br>Steel.<br><br>Seals: Teflon<br>Viton 2-4/2-5 | Air, Fluid & Vacuum<br>Direct Acting<br><br>-T 24.4VA AC<br>17.5W DC<br>DIN Plug IP65<br><br>-TF 20VA AC<br>33W DC<br>Flying Lead IP54 |  |  |  |
| S55H - 2 - 1.2 * T F   |      |     | 1.2 | 0.07 | 0-150 | 0-105 |       |       |                                                                        |                                                                                                                                        |  |  |  |
| S55H - 2 - 1.6 * T     |      |     | 1.6 | 0.09 | 0-60  | 0-42  |       |       |                                                                        |                                                                                                                                        |  |  |  |
| S55H - 2 - 1.6 * T F   |      |     | 1.6 | 0.09 | 0-80  | 0-56  |       |       |                                                                        |                                                                                                                                        |  |  |  |
| S55H - 2 - 2 * T       |      |     | 2   | 0.11 | 0-30  | 0-21  |       |       |                                                                        |                                                                                                                                        |  |  |  |
| S55H - 2 - 2 * T F     |      |     | 2   | 0.11 | 0-60  | 0-42  |       |       |                                                                        |                                                                                                                                        |  |  |  |
| S55H - 2 - 3 * T       |      |     | 3   | 0.26 | 0-20  | 0-14  |       |       |                                                                        |                                                                                                                                        |  |  |  |
| S55H - 2 - 3 * T F     |      |     | 3   | 0.26 | 0-40  | 0-28  |       |       |                                                                        |                                                                                                                                        |  |  |  |
| S55H - 2 - 4 * V       |      |     | 4   | 0.58 | 0-12  | 0-8   |       |       |                                                                        |                                                                                                                                        |  |  |  |
| S55H - 2 - 4 * V F     |      |     | 4   | 0.58 | 0-20  | 0-14  |       |       |                                                                        |                                                                                                                                        |  |  |  |
| S55H - 2 - 5 * V       |      |     | 5   | 0.64 | 0-10  | 0-7   | 120°C |       |                                                                        |                                                                                                                                        |  |  |  |
| S55H - 2 - 5 * V F     | N.C. | 1/4 | 5   | 0.64 | 0-15  | 0-10  |       |       |                                                                        |                                                                                                                                        |  |  |  |

#### AIR / FLUID



| Normally Closed. BRASS |      |       |    |      |        |        |     |       |                           |                          |
|------------------------|------|-------|----|------|--------|--------|-----|-------|---------------------------|--------------------------|
| B75 - 4 - 15 - * T     | N.C. | 1/2   | 15 | 4.5  | 0.5-20 | 0.5-20 | N/A | -10°C | Body: Brass               | Air, Fluid               |
| B75 - 5 - 20 - * T     |      | 3/4   | 20 | 9.3  | 0.5-20 | 0.5-20 |     |       | Seals: Teflon             | High Press. Piston Type. |
| B75 - 6 - 25 - * T     |      | 1     | 25 | 13.2 | 0.5-20 | 0.5-20 |     |       |                           |                          |
| B75 - 7 - 35 - * T     |      | 1 1/4 | 35 | 26   | 0.5-20 | 0.5-20 |     |       |                           |                          |
| B75 - 8 - 35 - * T     |      | 1 1/2 | 35 | 26   | 0.5-20 | 0.5-20 |     |       |                           |                          |
| B75 - 9 - 50 - * T     |      | 2     | 50 | 48   | 0.5-20 | 0.5-20 |     |       |                           |                          |
|                        |      |       |    |      |        |        |     |       |                           |                          |
| B75H - 4 - 15 - * T    |      | 1/2   | 15 | 4.5  | 0.5-40 | 0.5-40 | N/A |       | Operator: Stainless Steel | DIN plug IP65            |
| B75H - 5 - 20 - * T    |      | 3/4   | 20 | 9.3  | 0.5-40 | 0.5-40 |     |       |                           |                          |
| B75H - 6 - 25 - * T    |      | 1     | 25 | 13.2 | 0.5-40 | 0.5-40 |     |       |                           |                          |
| B75H - 7 - 35 - * T    |      | 1 1/4 | 35 | 26   | 0.5-40 | 0.5-40 |     |       |                           |                          |
| B75H - 8 - 35 - * T    |      | 1 1/2 | 35 | 26   | 0.5-40 | 0.5-40 |     |       |                           |                          |
| B75H - 9 - 50 - * T    |      | 2     | 50 | 48   | 0.5-40 | 0.5-40 |     |       |                           |                          |
|                        |      |       |    |      |        |        |     |       |                           |                          |
| B75HH - 4 - 15 - * T   | N.C. | 1/2   | 15 | 4.5  | 0.5-80 | 0.5-80 |     | 120°C | 24.4VA AC<br>17.5W DC     |                          |
| B75HH - 5 - 20 - * T   |      | 3/4   | 20 | 9.3  | 0.5-80 | 0.5-80 |     |       |                           |                          |
| B75HH - 6 - 25 - * T   |      | 1     | 25 | 13.2 | 0.5-80 | 0.5-80 |     |       |                           |                          |
| B75HH - 7 - 35 - * T   |      | 1 1/4 | 35 | 26   | 0.5-80 | 0.5-80 |     |       |                           |                          |
| B75HH - 8 - 35 - * T   |      | 1 1/2 | 35 | 26   | 0.5-80 | 0.5-80 |     |       |                           |                          |
| B75HH - 9 - 50 - * T   |      | 2     | 50 | 48   | 0.5-80 | 0.5-80 |     |       |                           |                          |

#### AIR / FLUID



|                               |      |        |    |      |        |        |     |       |                                                            |                                                                         |
|-------------------------------|------|--------|----|------|--------|--------|-----|-------|------------------------------------------------------------|-------------------------------------------------------------------------|
| <b>Normally Closed. SS304</b> |      |        |    |      |        |        |     |       |                                                            |                                                                         |
| S75 - 4 - 15 * T              | N.C. | 1/2    | 15 | 4.5  | 0.5-20 | 0.5-20 | N/A | -10°C | Body: 304 SS<br>Seals: Teflon<br>Operator: Stainless Steel | Air, Fluid<br>High Press. Piston Type.<br>24.4VA AC<br>17.5W DC<br>IP65 |
| S75 - 5 - 20 * T              |      | 3/4    | 20 | 9.3  | 0.5-20 | 0.5-20 |     |       |                                                            |                                                                         |
| S75 - 6 - 25 * T              |      | 1      | 25 | 13.2 | 0.5-20 | 0.5-20 |     |       |                                                            |                                                                         |
| S75 - 7 - 35 * T              |      | 1 1/4  | 35 | 26   | 0.5-20 | 0.5-20 |     |       |                                                            |                                                                         |
| S75 - 8 - 35 * T              |      | 1 1/2  | 35 | 26   | 0.5-20 | 0.5-20 |     |       |                                                            |                                                                         |
| S75 - 9 - 50 * T              |      | 2      | 50 | 48   | 0.5-20 | 0.5-20 |     |       |                                                            |                                                                         |
| S75 - 6F - 25 * T             |      | Flange | 25 | 13.2 | 0.5-20 | 0.5-20 |     |       |                                                            |                                                                         |
| S75 - 8F - 35 * T             |      | Flange | 35 | 26   | 0.5-20 | 0.5-20 |     |       |                                                            |                                                                         |
| S75 - 9F - 50 * T             | N.C. | Flange | 50 | 48   | 0.5-20 | 0.5-20 |     |       |                                                            |                                                                         |
| S75 - 9F - 50 * T             |      |        |    |      |        |        |     |       |                                                            |                                                                         |

#### AIR / FLUID

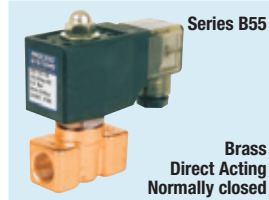


|                             |      |       |    |      |        |        |     |       |                                                           |                                                                        |
|-----------------------------|------|-------|----|------|--------|--------|-----|-------|-----------------------------------------------------------|------------------------------------------------------------------------|
| <b>Normally Open. BRASS</b> |      |       |    |      |        |        |     |       |                                                           |                                                                        |
| B76 - 4 - 15 * T            | N.O. | 1/2   | 15 | 4.5  | 0.5-10 | 0.5-10 | N/A | -10°C | Body: Brass<br>Seals: Teflon<br>Operator: Stainless Steel | Air, Fluid<br>High Press. Piston Type<br>24.4VA AC<br>17.5W DC<br>IP65 |
| B76 - 5 - 20 * T            |      | 3/4   | 20 | 9.3  | 0.5-10 | 0.5-10 |     |       |                                                           |                                                                        |
| B76 - 6 - 25 * T            |      | 1     | 25 | 13.2 | 0.5-10 | 0.5-10 |     |       |                                                           |                                                                        |
| B76 - 8 - 35 * T            |      | 1 1/2 | 35 | 26   | 0.5-10 | 0.5-10 |     |       |                                                           |                                                                        |
| B76 - 9 - 50 * T            | N.O. | 2     | 50 | 48   | 0.5-10 | 0.5-10 |     |       |                                                           |                                                                        |

#### OTHER VALVES TO 150BAR AVAILABLE

## 2 Way

### PETROCHEMICAL



| Model             | Function/<br>Port Size                 | Orifice | CV | Pressure (Bar)<br>Air & Fluid |      | Vacuum<br>Hg” | Media<br>Temperature | Material<br>of<br>Construction | Features                                                             |                                                                                                                    |
|-------------------|----------------------------------------|---------|----|-------------------------------|------|---------------|----------------------|--------------------------------|----------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|
|                   | BSP                                    | Ømm     | CV | AC                            | DC   |               |                      |                                |                                                                      |                                                                                                                    |
|                   | Normally Closed. BRASS - Direct Acting |         |    |                               |      |               |                      |                                |                                                                      |                                                                                                                    |
| B55 - 2 - 3 - * V | N.C.                                   | 1/4     | 3  | 0.26                          | 0-10 | 0-10          | 27                   | -10°C                          | Body: Brass<br><br>Seals:<br>Viton (std)<br>PTFE<br>EPDM<br>Silicone | Air, Fluid & Vacuum<br>Direct Acting.<br><br>15VA AC<br>12W DC<br>Part #s B55-3<br>to B55-4<br>24.4VA AC<br>18W DC |
| B55 - 2 - 4 - * V |                                        | 1/4     | 4  | 0.58                          | 0-7  | 0-7           |                      |                                |                                                                      |                                                                                                                    |
| B55 - 2 - 5 - * V |                                        | 1/4     | 5  | 0.64                          | 0-5  | 0-5           |                      |                                |                                                                      |                                                                                                                    |
| B55 - 3 - 4 - * V |                                        | 3/8     | 4  | 0.58                          | 0-10 | 0-10          |                      |                                |                                                                      |                                                                                                                    |
| B55 - 3 - 6 - * V | N.C.                                   | 3/8     | 6  | 0.79                          | 0-5  | 0-5           | 100°C                |                                |                                                                      |                                                                                                                    |
| B55 - 3 - 8 - * V |                                        | 3/8     | 8  | 0.97                          | 0-2  | 0-2           |                      |                                |                                                                      |                                                                                                                    |
| B55 - 4 - 6 - * V |                                        | 1/2     | 6  | 0.79                          | 0-5  | 0-5           |                      |                                |                                                                      |                                                                                                                    |
| B55 - 4 - 8 - * V |                                        | 1/2     | 8  | 0.97                          | 0-2  | 0-2           |                      |                                |                                                                      |                                                                                                                    |

Exd page 7

### PETROCHEMICAL



|                                                   |      |        |    |      |      |      |    |       |                                                                                                                                                                                                    |
|---------------------------------------------------|------|--------|----|------|------|------|----|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Normally Closed. BRASS - Coupled Diaphragm</b> |      |        |    |      |      |      |    |       |                                                                                                                                                                                                    |
| B55 - 3 - 15 - * V                                | N.C. | 3/8    | 15 | 4.5  | 0-10 | 0-10 | 27 | -10°C | Body: Brass<br>Seals:<br>Viton (std)<br>Operator:<br>Stainless Steel<br>Manual Override<br>Optional<br>Air, Fluid & Vacuum<br>Optional:<br>Explosion proof<br>(See pages 7)<br>24.4VA AC<br>18W DC |
| B55 - 4 - 15 - * V                                |      | 1/2    | 15 | 4.5  | 0-10 | 0-10 |    |       |                                                                                                                                                                                                    |
| B55 - 5 - 20 - * V                                |      | 3/4    | 20 | 9.3  | 0-10 | 0-10 |    |       |                                                                                                                                                                                                    |
| B55 - 6 - 25 - * V                                |      | 1      | 25 | 13.2 | 0-10 | 0-10 |    |       |                                                                                                                                                                                                    |
| B55 - 7 - 35 - * V                                |      | 1-1/4  | 35 | 26   | 0-10 | 0-10 |    |       |                                                                                                                                                                                                    |
| B55 - 8 - 35 - * V                                |      | 1-1/2  | 35 | 26   | 0-10 | 0-10 |    |       |                                                                                                                                                                                                    |
| B55 - 9 - 50 - * V                                |      | 2      | 50 | 48   | 0-7  | 0-7  |    |       |                                                                                                                                                                                                    |
| B55 - 6F - 25 - * V                               |      | Flange | 25 | 13.2 | 0-10 | 0-10 |    |       |                                                                                                                                                                                                    |
| B55 - 8F - 35 - * V                               |      | Flange | 35 | 26   | 0-10 | 0-10 |    |       |                                                                                                                                                                                                    |
| B55 - 9F - 50 - * V                               | N.C. | Flange | 50 | 48   | 0-7  | 0-7  |    | 100°C |                                                                                                                                                                                                    |

Exd page 7

### PETROCHEMICAL



|                             |      |       |    |      |        |        |     |       |                                                                                                                                                                                              |
|-----------------------------|------|-------|----|------|--------|--------|-----|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Normally Open. BRASS</b> |      |       |    |      |        |        |     |       |                                                                                                                                                                                              |
| B56 - 2 - 3 - * V           | N.O. | 1/4   | 3  | 0.26 | 0-10   | 0-10   | N/A | -10°C | Body: Brass<br>Seals:<br>Viton (std)<br>Operator:<br>Stainless Steel<br>Part #s B56-3~<br>-B56-9<br>15.4VA AC<br>12W DC<br>Air, Fluid<br>Normally Open.<br>Direct and<br>Differential Acting |
| B56 - 2 - 4 - * V           |      | 1/4   | 4  | 0.58 | 0-6    | 0-6    |     |       |                                                                                                                                                                                              |
| B56 - 2 - 5 - * V           |      | 1/4   | 5  | 0.64 | 0-4    | 0-4    |     |       |                                                                                                                                                                                              |
| B56 - 3 - 4 - * V           |      | 3/8   | 4  | 0.58 | 0-6    | 0-6    |     |       |                                                                                                                                                                                              |
| B56 - 3 - 6 - * V           |      | 3/8   | 6  | 0.79 | 0-2    | 0-2    |     |       |                                                                                                                                                                                              |
| B56 - 4 - 6 - * V           |      | 1/2   | 6  | 0.79 | 0-2    | 0-2    |     |       |                                                                                                                                                                                              |
| B56 - 3 - 15 - * V          |      | 3/8   | 15 | 4.5  | 0.5-10 | 0.5-10 |     |       |                                                                                                                                                                                              |
| B56 - 4 - 15 - * V          |      | 1/2   | 15 | 4.5  | 0.5-10 | 0.5-10 |     |       |                                                                                                                                                                                              |
| B56 - 5 - 20 - * V          |      | 3/4   | 20 | 9.3  | 0.5-10 | 0.5-10 |     |       |                                                                                                                                                                                              |
| B56 - 6 - 25 - * V          |      | 1     | 25 | 13.2 | 0.5-10 | 0.5-10 |     |       |                                                                                                                                                                                              |
| B56 - 7 - 35 - * V          |      | 1-1/4 | 35 | 26   | 0.5-10 | 0.5-10 |     |       |                                                                                                                                                                                              |
| B56 - 8 - 35 - * V          |      | 1-1/2 | 35 | 26   | 0.5-10 | 0.5-10 |     |       |                                                                                                                                                                                              |
| B56 - 9 - 50 - * V          | N.O. | 2     | 50 | 48   | 0.5-7  | 0.5-7  |     | 100°C |                                                                                                                                                                                              |

### PETROCHEMICAL / AGGRESSIVE FLUIDS. Normally Closed. SS316 - Direct Acting

Exd page 7



|                   |      |     |   |      |      |      |    |       |                                                                                                                                                                                                                                         |
|-------------------|------|-----|---|------|------|------|----|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| S55 - 2 - 3 - * V | N.C. | 1/4 | 3 | 0.26 | 0-10 | 0-10 | 27 | -10°C | Body:<br>316 Stainless Steel<br>Seals:<br>Viton (std.)<br>Silicone.<br>PTFE<br>EPDM<br>Operator:<br>Stainless Steel<br>Air, Fluid & Vacuum.<br>Direct Acting<br>15VA AC<br>12W DC<br>Part #s S55-3<br>to S55-4<br>24.4VA AC<br>17.5W DC |
| S55 - 2 - 4 - * V |      | 1/4 | 4 | 0.58 | 0-7  | 0-7  |    |       |                                                                                                                                                                                                                                         |
| S55 - 2 - 5 - * V |      | 1/4 | 5 | 0.64 | 0-5  | 0-5  |    |       |                                                                                                                                                                                                                                         |
| S55 - 3 - 4 - * V |      | 3/8 | 4 | 0.58 | 0-10 | 0-10 |    |       |                                                                                                                                                                                                                                         |
| S55 - 3 - 6 - * V |      | 3/8 | 6 | 0.79 | 0-5  | 0-5  |    |       |                                                                                                                                                                                                                                         |
| S55 - 3 - 8 - * V |      | 3/8 | 8 | 0.97 | 0-2  | 0-2  |    |       |                                                                                                                                                                                                                                         |
| S55 - 4 - 6 - * V |      | 1/2 | 6 | 0.79 | 0-5  | 0-5  |    |       |                                                                                                                                                                                                                                         |
| S55 - 4 - 8 - * V | N.C. | 1/2 | 8 | 0.97 | 0-2  | 0-2  |    | 120°C |                                                                                                                                                                                                                                         |

### PETROCHEMICAL / AGGRESSIVE FLUIDS. Normally Closed. SS316 - Coupled Diaphragm

Exd page 7



|                     |      |        |    |      |      |      |    |       |                                                                                                                                                                                                                                                                     |
|---------------------|------|--------|----|------|------|------|----|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| S55 - 3 - 15 - * V  | N.C. | 3/8    | 15 | 4.5  | 0-10 | 0-10 | 27 | -10°C | Body:<br>316 Stainless Steel<br>Seals:<br>Viton (std.)<br>Silicone.<br>EPDM<br>Operator:<br>Stainless Steel<br>Manual Override<br>Optional<br>Air, Fluid & Vacuum.<br>Zero Differential<br>Optional:<br>Explosion proof<br>coils. (Page 7)<br>24.4VA AC<br>17.5W DC |
| S55 - 4 - 15 - * V  |      | 1/2    | 15 | 4.5  | 0-10 | 0-10 |    |       |                                                                                                                                                                                                                                                                     |
| S55 - 5 - 20 - * V  |      | 3/4    | 20 | 9.3  | 0-10 | 0-10 |    |       |                                                                                                                                                                                                                                                                     |
| S55 - 6 - 25 - * V  |      | 1      | 25 | 13.2 | 0-10 | 0-10 |    |       |                                                                                                                                                                                                                                                                     |
| S55 - 7 - 35 - * V  |      | 1-1/4  | 35 | 26   | 0-10 | 0-10 |    |       |                                                                                                                                                                                                                                                                     |
| S55 - 8 - 35 - * V  |      | 1-1/2  | 35 | 26   | 0-10 | 0-10 |    |       |                                                                                                                                                                                                                                                                     |
| S55 - 9 - 50 - * V  |      | 2      | 50 | 48   | 0-7  | 0-7  |    |       |                                                                                                                                                                                                                                                                     |
| S55 - 6F - 25 - * V |      | Flange | 25 | 13.2 | 0-10 | 0-10 |    |       |                                                                                                                                                                                                                                                                     |
| S55 - 8F - 35 - * V |      | Flange | 35 | 26   | 0-10 | 0-10 |    |       |                                                                                                                                                                                                                                                                     |
| S55 - 9F - 50 - * V | N.C. | Flange | 50 | 48   | 0-7  | 0-7  |    | 120°C |                                                                                                                                                                                                                                                                     |

### PETROCHEMICAL / AGGRESSIVE FLUIDS. Normally Open. SS316



|                     |      |        |    |      |        |        |    |       |                                                                                                                                                                                                                                    |
|---------------------|------|--------|----|------|--------|--------|----|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| S56 - 2 - 3 - * V   | N.O. | 1/4    | 3  | 0.26 | 0-10   | 0-10   | 27 | -10°C | Body:<br>316 Stainless Steel<br>Seals:<br>Viton (std.)<br>Silicone.<br>PTFE<br>Operator:<br>Stainless Steel<br>Part #s S56-3 to<br>S56-9<br>15.4VA AC<br>12W DC<br>Air, Fluid<br>Normally Open.<br>Direct &<br>Differential Acting |
| S56 - 2 - 4 - * V   |      | 1/4    | 4  | 0.58 | 0-6    | 0-6    |    |       |                                                                                                                                                                                                                                    |
| S56 - 2 - 5 - * V   |      | 1/4    | 5  | 0.64 | 0-4    | 0-4    |    |       |                                                                                                                                                                                                                                    |
| S56 - 3 - 4 - * V   |      | 3/8    | 4  | 0.58 | 0-6    | 0-6    |    |       |                                                                                                                                                                                                                                    |
| S56 - 3 - 6 - * V   |      | 3/8    | 6  | 0.79 | 0-2    | 0-2    |    |       |                                                                                                                                                                                                                                    |
| S56 - 4 - 6 - * V   |      | 1/2    | 6  | 0.79 | 0-2    | 0-2    |    |       |                                                                                                                                                                                                                                    |
| S56 - 3 - 15 - * V  |      | 3/8    | 15 | 4.5  | 0.5-10 | 0.5-10 |    |       |                                                                                                                                                                                                                                    |
| S56 - 4 - 15 - * V  |      | 1/2    | 15 | 4.5  | 0.5-10 | 0.5-10 |    |       |                                                                                                                                                                                                                                    |
| S56 - 5 - 20 - * V  |      | 3/4    | 20 | 9.3  | 0.5-10 | 0.5-10 |    |       |                                                                                                                                                                                                                                    |
| S56 - 6 - 25 - * V  |      | 1      | 25 | 13.2 | 0.5-10 | 0.5-10 |    |       |                                                                                                                                                                                                                                    |
| S56 - 7 - 35 - * V  |      | 1-1/4  | 35 | 26   | 0.5-10 | 0.5-10 |    |       |                                                                                                                                                                                                                                    |
| S56 - 8 - 35 - * V  |      | 1-1/2  | 35 | 26   | 0.5-10 | 0.5-10 |    |       |                                                                                                                                                                                                                                    |
| S56 - 9 - 50 - * V  |      | 2      | 50 | 48   | 0.5-7  | 0.5-7  |    |       |                                                                                                                                                                                                                                    |
| S56 - 6F - 25 - * V |      | Flange | 25 | 13.2 | 0.5-10 | 0.5-10 |    |       |                                                                                                                                                                                                                                    |
| S56 - 8F - 35 - * V |      | Flange | 35 | 26   | 0.5-10 | 0.5-10 |    |       |                                                                                                                                                                                                                                    |
| S56 - 9F - 50 - * V | N.O. | Flange | 50 | 48   | 0.5-7  | 0.5-7  |    | 120°C |                                                                                                                                                                                                                                    |

### Ex d

#### AIR / FLUID / PETROCHEMICAL Normally Closed. BRASS



| Model                 | Function/<br>Port Size | Orifice<br>BSP | CV<br>Ømm | CV   | Pressure (Bar)<br>Air & Fluid |      | Vacuum<br>Hg" | Media<br>Temperature | Material<br>of<br>Construction                                                                                                                      | Features                                                                                                   |
|-----------------------|------------------------|----------------|-----------|------|-------------------------------|------|---------------|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
|                       |                        |                |           |      | AC                            | DC   |               |                      |                                                                                                                                                     |                                                                                                            |
| B55ED - 3 - 4 - * V   | N.C.                   | 3/8            | 4         | 0.58 | 0-10                          | 0-10 | 27            | -10°C<br>40°C        | Body: Brass<br>Seals<br>Viton (std)<br>EPDM<br>Silicone<br>PTFE<br>(Models 3-4 to 4-8)<br>SS316 Stainless Steel Housing<br>Manual Override Optional | Air, Fluid Vacuum<br>Zero Differential. Vacuum.<br>Low pressure & Tank Drain<br>IP66<br>IEC Ex Sim 13.0009 |
| B55ED - 3 - 6 - * V   |                        | 3/8            | 6         | 0.79 | 0-5                           | 0-5  |               |                      |                                                                                                                                                     |                                                                                                            |
| B55ED - 3 - 8 - * V   |                        | 3/8            | 8         | 0.97 | 0-2                           | 0-2  |               |                      |                                                                                                                                                     |                                                                                                            |
| B55ED - 4 - 6 - * V   |                        | 1/2            | 6         | 0.79 | 0-5                           | 0-5  |               |                      |                                                                                                                                                     |                                                                                                            |
| B55ED - 4 - 8 - * V   |                        | 1/2            | 8         | 0.97 | 0-2                           | 0-2  |               |                      |                                                                                                                                                     |                                                                                                            |
| B55ED - 3 - 15 - * V  |                        | 3/8            | 15        | 4.5  | 0-10                          | 0-10 |               |                      |                                                                                                                                                     |                                                                                                            |
| B55ED - 4 - 15 - * V  |                        | 1/2            | 15        | 4.5  | 0-10                          | 0-10 |               |                      |                                                                                                                                                     |                                                                                                            |
| B55ED - 5 - 20 - * V  |                        | 3/4            | 20        | 9.3  | 0-10                          | 0-10 |               |                      |                                                                                                                                                     |                                                                                                            |
| B55ED - 6 - 25 - * V  |                        | 1              | 25        | 13.2 | 0-10                          | 0-10 |               |                      |                                                                                                                                                     |                                                                                                            |
| B55ED - 7 - 35 - * V  |                        | 1 1/4          | 35        | 26   | 0-10                          | 0-10 |               |                      |                                                                                                                                                     |                                                                                                            |
| B55ED - 8 - 35 - * V  |                        | 1 1/2          | 35        | 26   | 0-10                          | 0-10 |               |                      |                                                                                                                                                     |                                                                                                            |
| B55ED - 9 - 50 - * V  |                        | 2              | 50        | 48   | 0-7                           | 0-7  |               |                      |                                                                                                                                                     |                                                                                                            |
| B55ED - 6F - 25 - * V | Flange                 | 25             | 13.2      | 0-10 | 0-10                          | 0-10 |               |                      |                                                                                                                                                     |                                                                                                            |
| B55ED - 8F - 35 - * V | Flange                 | 35             | 26        | 0-10 | 0-10                          | 0-10 |               |                      |                                                                                                                                                     |                                                                                                            |
| B55ED - 9F - 50 - * V | Flange                 | 50             | 48        | 0-7  | 0-7                           | 0-7  |               |                      |                                                                                                                                                     |                                                                                                            |

#### AIR / FLUID / PETROCHEMICAL Normally Closed. SS316



|                       |        |       |      |      |      |      |    |               |                                                                                                                                                    |                                                                                                            |
|-----------------------|--------|-------|------|------|------|------|----|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| S55ED - 3 - 4 - * V   | N.C.   | 3/8   | 4    | 0.58 | 0-10 | 0-10 | 27 | -10°C<br>40°C | 316SS Body<br>Seals<br>Viton (std)<br>Silicone<br>EPDM<br>PTFE<br>(Models 3-4 to 4-8)<br>SS316 Stainless Steel Housing<br>Manual Override Optional | Air, Fluid Vacuum<br>Zero Differential. Vacuum.<br>Low pressure & Tank Drain<br>IP66<br>IEC Ex Sim 13.0009 |
| S55ED - 3 - 6 - * V   |        | 3/8   | 6    | 0.79 | 0-5  | 0-5  |    |               |                                                                                                                                                    |                                                                                                            |
| S55ED - 3 - 8 - * V   |        | 3/8   | 8    | 0.97 | 0-2  | 0-2  |    |               |                                                                                                                                                    |                                                                                                            |
| S55ED - 4 - 6 - * V   |        | 1/2   | 6    | 0.79 | 0-5  | 0-5  |    |               |                                                                                                                                                    |                                                                                                            |
| S55ED - 4 - 8 - * V   |        | 1/2   | 8    | 0.97 | 0-2  | 0-2  |    |               |                                                                                                                                                    |                                                                                                            |
| S55ED - 3 - 15 - * V  |        | 3/8   | 15   | 4.5  | 0-10 | 0-10 |    |               |                                                                                                                                                    |                                                                                                            |
| S55ED - 4 - 15 - * V  |        | 1/2   | 15   | 4.5  | 0-10 | 0-10 |    |               |                                                                                                                                                    |                                                                                                            |
| S55ED - 5 - 20 - * V  |        | 3/4   | 20   | 9.3  | 0-10 | 0-10 |    |               |                                                                                                                                                    |                                                                                                            |
| S55ED - 6 - 25 - * V  |        | 1     | 25   | 13.2 | 0-10 | 0-10 |    |               |                                                                                                                                                    |                                                                                                            |
| S55ED - 7 - 35 - * V  |        | 1 1/4 | 35   | 26   | 0-10 | 0-10 |    |               |                                                                                                                                                    |                                                                                                            |
| S55ED - 8 - 35 - * V  |        | 1 1/2 | 35   | 26   | 0-10 | 0-10 |    |               |                                                                                                                                                    |                                                                                                            |
| S55ED - 9 - 50 - * V  |        | 2     | 50   | 48   | 0-7  | 0-7  |    |               |                                                                                                                                                    |                                                                                                            |
| S55ED - 6F - 25 - * V | Flange | 25    | 13.2 | 0-10 | 0-10 | 0-10 |    |               |                                                                                                                                                    |                                                                                                            |
| S55ED - 8F - 35 - * V | Flange | 35    | 26   | 0-10 | 0-10 | 0-10 |    |               |                                                                                                                                                    |                                                                                                            |
| S55ED - 9F - 50 - * V | Flange | 50    | 48   | 0-7  | 0-7  | 0-7  |    |               |                                                                                                                                                    |                                                                                                            |

#### AIR / FLUID

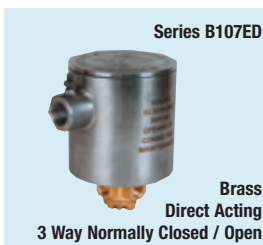
#### Normally Closed. BRASS



|                       |        |       |      |        |        |        |     |               |                                                                |                                                                             |
|-----------------------|--------|-------|------|--------|--------|--------|-----|---------------|----------------------------------------------------------------|-----------------------------------------------------------------------------|
| B75ED - 3 - 15 - * T  | N.C.   | 3/8   | 15   | 4.5    | 0.5-20 | 0.5-20 | N/A | -10°C<br>40°C | Body: Brass<br>Seals:<br>PTFE<br>SS316 Stainless Steel Housing | Air, Fluid & Oil.<br>High Press. Piston Type.<br>IP66<br>IEC Ex Sim 13.0009 |
| B75ED - 4 - 15 - * T  |        | 1/2   | 15   | 4.5    | 0.5-20 | 0.5-20 |     |               |                                                                |                                                                             |
| B75ED - 5 - 20 - * T  |        | 3/4   | 20   | 9.3    | 0.5-20 | 0.5-20 |     |               |                                                                |                                                                             |
| B75ED - 6 - 25 - * T  |        | 1     | 25   | 13.2   | 0.5-20 | 0.5-20 |     |               |                                                                |                                                                             |
| B75ED - 7 - 35 - * T  |        | 1 1/4 | 35   | 26     | 0.5-20 | 0.5-20 |     |               |                                                                |                                                                             |
| B75ED - 8 - 35 - * T  |        | 1 1/2 | 35   | 26     | 0.5-20 | 0.5-20 |     |               |                                                                |                                                                             |
| B75ED - 9 - 50 - * T  |        | 2     | 50   | 48     | 0.5-20 | 0.5-20 |     |               |                                                                |                                                                             |
| B75ED - 6F - 25 - * T | Flange | 25    | 13.2 | 0.5-20 | 0.5-20 | 0.5-20 |     |               |                                                                |                                                                             |
| B75ED - 8F - 35 - * T | Flange | 35    | 26   | 0.5-20 | 0.5-20 | 0.5-20 |     |               |                                                                |                                                                             |
| B75ED - 9F - 50 - * T | Flange | 50    | 48   | 0.5-20 | 0.5-20 | 0.5-20 |     |               |                                                                |                                                                             |

#### PILOT VALVE 3/2

#### Normally Closed / Normally Open. BRASS • Air Pilot Control



|                                              |      |     |     |      |      |       |    |                    |                                                                                          |                                                                        |
|----------------------------------------------|------|-----|-----|------|------|-------|----|--------------------|------------------------------------------------------------------------------------------|------------------------------------------------------------------------|
| B107ED - 2 - 1.6 - * V                       | N.C. | 1/4 | 1.6 | 0.09 | 0-11 | 0-7.7 | 27 | -10°C<br> <br>40°C | Body: Brass<br><br>Seats:<br>Viton (std)<br>NBR.<br><br>SS316 Stainless<br>Steel Housing | Air - through base<br>porting<br><br>IP66<br><br>IEC Ex Sim<br>13.0009 |
| B108ED - 2 - 1.6 - * V                       | N.O. | 1/4 | 1.6 | 0.09 | 0-11 | 0-8   |    |                    |                                                                                          |                                                                        |
| For Air Pilot Control of Pneumatic Actuators |      |     |     |      |      |       |    |                    |                                                                                          |                                                                        |

NOTE: Each installation requires a special "C" Spanner to remove cap.

Copy of certification can be downloaded from website... [www.valvesonline.com.au](http://www.valvesonline.com.au)



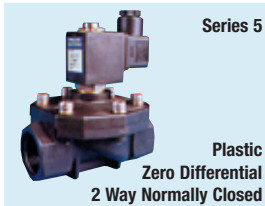
### Air / Fluid 2-3 Way

#### AIR / FLUID



| Model                                                                                                 | Function/<br>Port Size | Orifice                           | CV                         | Pressure (Bar)<br>Air & Fluid             |                                           | Vacuum<br>Hg” | Media<br>Temperature | Material<br>of<br>Construction                                                                | Features                              |
|-------------------------------------------------------------------------------------------------------|------------------------|-----------------------------------|----------------------------|-------------------------------------------|-------------------------------------------|---------------|----------------------|-----------------------------------------------------------------------------------------------|---------------------------------------|
|                                                                                                       | BSP                    | Ømm                               | CV                         | AC                                        | DC                                        |               |                      |                                                                                               |                                       |
| Normally Closed. GR NYLON                                                                             |                        |                                   |                            |                                           |                                           |               |                      |                                                                                               |                                       |
| P45 - 4 - 13 - *V<br>P45 - 5 - 20 - *V<br>P45 - 6 - 25 - *V<br>P45 - 7 - 35 - *V<br>P45 - 8 - 40 - *V | N.C.                   | 1/2<br>3/4<br>1<br>1-1/4<br>1-1/2 | 13<br>20<br>25<br>35<br>40 | 0.5-7<br>0.5-7<br>0.5-7<br>0.5-7<br>0.5-7 | 0.5-7<br>0.5-7<br>0.5-7<br>0.5-7<br>0.5-7 | N/A           | 5°C<br> <br>65°C     | Body:<br>Glass Reinforced<br>Nylon<br><br>Seals:<br>Viton<br><br>Operator:<br>Stainless Steel | Air & Fluid.<br><br>11VA AC<br>15W DC |

#### AIR / FLUID



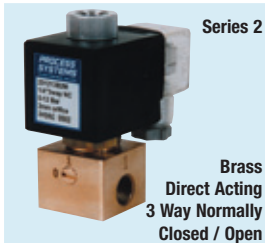
|                                  |      |     |    |     |     |    |                  |                                                                                               |                                       |
|----------------------------------|------|-----|----|-----|-----|----|------------------|-----------------------------------------------------------------------------------------------|---------------------------------------|
| <b>Normally Closed. GR NYLON</b> |      |     |    |     |     |    |                  |                                                                                               |                                       |
| P55 - 4 - 16 - *V                | N.C. | 1/2 | 16 | 0-6 | 0-6 | 27 | 5°C<br> <br>65°C | Body:<br>Glass Reinforced<br>Nylon<br><br>Seals:<br>Viton<br><br>Operator:<br>Stainless Steel | Air & Fluid.<br><br>33VA AC<br>20W DC |
| P55 - 5 - 20 - *V                |      | 3/4 | 20 | 0-6 | 0-6 |    |                  |                                                                                               |                                       |
| P55 - 6 - 25 - *V                | N.C. | 1   | 25 | 0-6 | 0-6 |    |                  |                                                                                               |                                       |

#### AIR



|                                                       |      |     |     |      |      |      |    |            |                                                                                                                                                                        |
|-------------------------------------------------------|------|-----|-----|------|------|------|----|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>3/2 Way Normally Closed. Manual Override. ZINC</b> |      |     |     |      |      |      |    |            |                                                                                                                                                                        |
| Z17 - 1 - 1 - * N                                     | N.C. | 1/8 | 1.0 | 0.04 | 0-10 | 0-10 | 27 | 5°C - 80°C | Body:<br>Zinc Diecast<br>Seals:<br>NBR<br><br>Operator:<br>Stainless Steel<br><br>Air<br><br>Manifold up to 10<br>Valves<br><br>Manual Override<br><br>6VA AC<br>5W DC |

#### AIR / FLUID



|                                                                         |      |     |   |     |      |      |    |                     |                                                                                                                                                     |
|-------------------------------------------------------------------------|------|-----|---|-----|------|------|----|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>3/2 Way Normally Closed / Normally Open - Manual Override. BRASS</b> |      |     |   |     |      |      |    |                     |                                                                                                                                                     |
| B27 - 2 - 2 - * V                                                       | N.C. | 1/4 | 2 | 0.1 | 0-12 | 0-12 | 27 | -10°C<br> <br>100°C | Body:<br>Brass<br><br>Seals:<br>Viton<br><br>Operator: Stainless<br>Steel<br><br>Air, Fluid Vacuum.<br><br>Manual Override.<br><br>10VA AC<br>7W DC |
| B28 - 2 - 2 - * V                                                       | N.O. | 1/4 | 2 | 0.1 | 0-12 | 0-12 |    |                     |                                                                                                                                                     |

#### AIR / FLUID



| 3/2 Way Normally Closed / Normally Open SS304 |      |     |     |      |      |      |                                                                                       |       |                                  |                                          |
|-----------------------------------------------|------|-----|-----|------|------|------|---------------------------------------------------------------------------------------|-------|----------------------------------|------------------------------------------|
| ES57 - 1 - 1.5 - * V                          | N.C. | 1/8 | 1.5 | 0.06 | 0-16 | 0-16 |  | -10°C | Body:<br>304 Stainless<br>Steel. | Air, Fluid Vacuum.<br><br>Direct Acting. |
| ES57 - 2 - 1.5 - * V                          | N.C. | 1/4 | 1.5 | 0.20 | 0-16 | 0-16 |                                                                                       |       |                                  |                                          |
| ES58 - 2 - 1.5 - * V                          | N.O. | 1/4 | 1.5 | 0.20 | 0-16 | 0-16 |                                                                                       |       |                                  |                                          |
| <b>MANUAL OVERRIDE</b>                        |      |     |     |      |      |      |                                                                                       |       |                                  |                                          |
| S27 - 2 - 1.2 - * V                           | N.C. | 1/4 | 1.5 | 0.20 | 0-16 | 0-16 |                                                                                       |       |                                  |                                          |
| S28 - 2 - 1.2 - * V                           | N.O. | 1/4 | 1.5 | 0.20 | 0-16 | 0-16 |                                                                                       |       |                                  |                                          |
|                                               |      |     |     |      |      |      |                                                                                       | 100°C | Seals:<br>Viton                  | 11VA AC<br>15W DC                        |
|                                               |      |     |     |      |      |      |                                                                                       |       | Operator: Stainless<br>Steel     |                                          |

#### AIR / HIGH PRESSURE



|                                                             |      |     |    |        |        |   |                    |                                                                                                                                                                         |  |
|-------------------------------------------------------------|------|-----|----|--------|--------|---|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <b>3/2 Way Normally Closed - Manual Override. ALUMINIUM</b> |      |     |    |        |        |   |                    |                                                                                                                                                                         |  |
| A67 - 2 - 8 - * NM                                          | N.C. | 1/4 | 8  | 0.5-24 | 0.5-24 | — | -10°C<br> <br>80°C | Body:<br>Aluminium<br><br>Seals:<br>NBR<br><br>Operator: Stainless<br>Steel<br><br>Air<br><br>Manual Override<br>on 1/4"<br><br>High Pressure.<br><br>20VA AC<br>21W DC |  |
| A67 - 4 - 15 - * N                                          | N.C. | 1/2 | 12 | 0.5-24 | 0.5-24 | — |                    |                                                                                                                                                                         |  |



**Air  
5 Way**

AIR



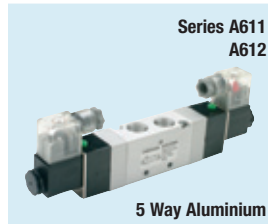
| Model                            | Function/<br>Port Size |     | Orifice/CV |      | Pressure (Bar)<br>Air & Fluid |       | Description                                           | Media<br>Temperature | Material<br>of<br>Construction                                                                            | Features                                  |
|----------------------------------|------------------------|-----|------------|------|-------------------------------|-------|-------------------------------------------------------|----------------------|-----------------------------------------------------------------------------------------------------------|-------------------------------------------|
|                                  | BSP                    |     | Ømm        | CV   | AC                            | DC    |                                                       |                      |                                                                                                           |                                           |
| 5/2 Solenoid / Spring. ALUMINIUM |                        |     |            |      |                               |       |                                                       |                      |                                                                                                           |                                           |
| A69 - 1 - 5 - *N                 | 5/2                    | 1/8 | 5          | 0.67 | 1.5-8                         | 1.5-8 | 5/2 Way<br>Solenoid<br>Operated<br>- Spring<br>Return | 5°C                  | Aluminium Body &<br>Spool. POM Ends.<br><br>Seals:<br>NBR.<br><br>Operator:<br>Brass & Stainless<br>Steel | Air                                       |
| A69 - 2 - 7 - *N                 | 5/2                    | 1/4 | 7          | 2    | 1.5-8                         | 1.5-8 |                                                       |                      |                                                                                                           | Manual Override.<br>Lockable<br>High Flow |
| A69 - 3 - 7 - *N                 | 5/2                    | 3/8 | 7          | 2    | 1.5-8                         | 1.5-8 |                                                       |                      |                                                                                                           |                                           |
| A69 - 4 - 8 - *N                 | 5/2                    | 1/2 | 8          | 2.8  | 1.5-8                         | 1.5-8 |                                                       | 80°C                 |                                                                                                           |                                           |

AIR



|                                           |     |     |   |      |       |       |                  |                                                                                                           |                                                                             |
|-------------------------------------------|-----|-----|---|------|-------|-------|------------------|-----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|
| <b>5/2 Solenoid / Solenoid. ALUMINIUM</b> |     |     |   |      |       |       |                  |                                                                                                           |                                                                             |
| A610 - 1 - 5 - *N                         | 5/2 | 1/8 | 5 | 0.67 | 1.5-8 | 1.5-8 | 5°C<br> <br>80°C | Aluminium Body &<br>Spool. POM Ends.<br><br>Seals:<br>NBR.<br><br>Operator:<br>Brass & Stainless<br>Steel | Air<br><br>Manual Override.<br>Lockable<br>High Flow<br><br>6VA AC<br>5W DC |
| A610 - 2 - 7 - *N                         | 5/2 | 1/4 | 7 | 2    | 1.5-8 | 1.5-8 |                  |                                                                                                           |                                                                             |
| A610 - 3 - 7 - *N                         | 5/2 | 3/8 | 7 | 2    | 1.5-8 | 1.5-8 |                  |                                                                                                           |                                                                             |
| A610 - 4 - 8 - *N                         | 5/2 | 1/2 | 8 | 2.8  | 1.5-8 | 1.5-8 |                  |                                                                                                           |                                                                             |

AIR



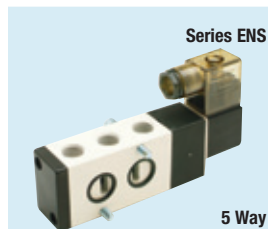
|                                                           |     |     |   |     |       |       |                  |                                                                                                           |                                                                             |
|-----------------------------------------------------------|-----|-----|---|-----|-------|-------|------------------|-----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|
| <b>5/3 Solenoid / Solenoid. Closed Centre • ALUMINIUM</b> |     |     |   |     |       |       |                  |                                                                                                           |                                                                             |
| A611 - 2 - 7 - *N                                         | 5/3 | 1/4 | 7 | 2   | 1.5-8 | 1.5-8 | 5°C<br> <br>80°C | Aluminium Body &<br>Spool. POM Ends.<br><br>Seals:<br>NBR.<br><br>Operator:<br>Brass & Stainless<br>Steel | Air<br><br>Manual Override.<br>Lockable<br>High Flow<br><br>6VA AC<br>5W DC |
| A611 - 3 - 7 - *N                                         | 5/3 | 3/8 | 7 | 2   | 1.5-8 | 1.5-8 |                  |                                                                                                           |                                                                             |
| A611 - 4 - 8 - *N                                         | 5/3 | 1/2 | 8 | 2.8 | 1.5-8 | 1.5-8 |                  |                                                                                                           |                                                                             |
| Optional Open Centre                                      |     |     |   |     |       |       |                  |                                                                                                           |                                                                             |

AIR



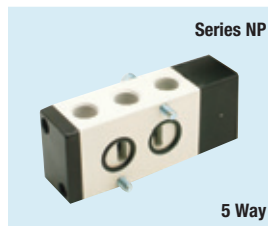
|                                                                               |                                          |  |                                                                                                                             |  |  |  |                       |  |                     |
|-------------------------------------------------------------------------------|------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------|--|--|--|-----------------------|--|---------------------|
| <b>Manifold. ALUMINIUM</b>                                                    |                                          |  |                                                                                                                             |  |  |  |                       |  |                     |
| EXAMPLE<br>SM02 - 01<br>SM03 - 02                                             | 2 station 1/8" BSP<br>3 station 1/4" BSP |  | STATIONS 2-12<br>Any type or valve style 5/2 way or<br>5/3 way can be manifolded.                                           |  |  |  | Extruded<br>Aluminium |  | Cost Per<br>Station |
| BP<br><br>Valve port size<br>1/8" = 01<br>1/4" = 02<br>3/8" = 03<br>1/2" = 04 | Blanking Plate                           |  | Also mixed solenoid/spring & double<br>solenoid can be mounted on the one<br>manifold.<br><br>Specials: - Up to 15 stations |  |  |  |                       |  |                     |

AIR



|                                                                |     |   |     |       |       |                               |      |                                                       |                                                                             |
|----------------------------------------------------------------|-----|---|-----|-------|-------|-------------------------------|------|-------------------------------------------------------|-----------------------------------------------------------------------------|
| <b>5/2 NAMUR Solenoid / Spring. Manual Override. ALUMINIUM</b> |     |   |     |       |       |                               |      |                                                       |                                                                             |
| ENS12*5<br>Solenoid/Spring                                     | 1/4 | 5 | 1.4 | 1.5-8 | 1.5-8 | Solenoid/<br>Spring<br>Return | 5°C  | Body & Spool:<br>Aluminium<br>POM Ends.<br>Seals: NBR | Air<br><br>Manual Override.<br>Lockable<br>High Flow<br><br>6VA AC<br>5W DC |
| END12*5<br>Solenoid/Solenoid                                   | 1/4 | 5 | 1.4 | 1.5-8 | 1.5-8 | Solenoid/<br>Solenoid         | 80°C |                                                       |                                                                             |

AIR



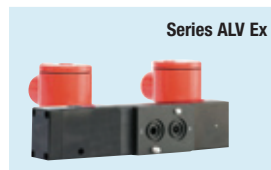
|                                        |     |   |     |       |       |             |      |                                                       |     |
|----------------------------------------|-----|---|-----|-------|-------|-------------|------|-------------------------------------------------------|-----|
| <b>5/2 Air Pilot. NAMUR. ALUMINIUM</b> |     |   |     |       |       |             |      |                                                       |     |
| NPS - 2 - 5 - N                        | 1/4 | 5 | 1.4 | 1.5-8 | 1.5-8 | Pilot/Spr.  | 5°C  | Body & Spool:<br>Aluminium<br>POM Ends.<br>Seals: NBR | Air |
| NPP - 2 - 5 - N                        | 1/4 | 5 | 1.4 | 1.5-8 | 1.5-8 | Pilot/Pilot | 80°C |                                                       |     |



AIR



AIR



AIR



AIR



AIR



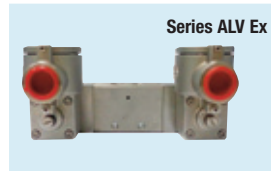
AIR



AIR



AIR



| Model                                                               | Function/<br>Port Size |     | Orifice | CV  | Pressure (Bar)<br>Air & Fluid |     | Vacuum<br>Hg" | Media<br>Temperature | Material<br>of<br>Construction                    | Features                                                                               |
|---------------------------------------------------------------------|------------------------|-----|---------|-----|-------------------------------|-----|---------------|----------------------|---------------------------------------------------|----------------------------------------------------------------------------------------|
|                                                                     | BSP                    |     | Ømm     | CV  | AC                            | DC  |               |                      |                                                   |                                                                                        |
| 3/2, 5/2 NAMUR Solenoid / Spring. Manual Override, Aluminium Body   |                        |     |         |     |                               |     |               |                      |                                                   |                                                                                        |
| ALV510F3 - C5 - * Ex                                                | 3/2<br>5/2             | 1/4 | 6       | 1.1 | 2-8                           | 2-8 | –             | -20°C<br> <br>+60°C  | Body & Housing:<br>Aluminium<br><br>Seats:<br>NBR | NAMUR<br><br>Ex d IIc T6<br>IEC Ex CQM<br>12.022X<br>IP66<br><br>M20 x 1.5 Gland       |
| Converter Plate Included 3/2 + 5/2                                  |                        |     |         |     |                               |     |               |                      |                                                   |                                                                                        |
| 3/2, 5/2 NAMUR Solenoid / Solenoid. Manual Override, Aluminium Body |                        |     |         |     |                               |     |               |                      |                                                   |                                                                                        |
| ALV520F3 - C5 - * Ex                                                | 3/2<br>5/2             | 1/4 | 6       | 1.1 | 2-8                           | 2-8 | –             | -20°C<br> <br>+60°C  | Body & Housing:<br>Aluminium<br><br>Seats:<br>NBR | NAMUR<br><br>Ex d IIc T6<br>IEC Ex CQM<br>12.022X<br>IP66<br><br>M20 x 1.5 Gland       |
| Converter Plate Included 3/2 + 5/2                                  |                        |     |         |     |                               |     |               |                      |                                                   |                                                                                        |
| 3/2, 5/2 NAMUR Solenoid / Spring. Manual Override, SS316 Body       |                        |     |         |     |                               |     |               |                      |                                                   |                                                                                        |
| ALV610F3 - C4 - * Ex                                                | 3/2<br>5/2             | 1/4 | 6       | 1.1 | 2-8                           | 2-8 | –             | -20°C<br> <br>+60°C  | Body & Housing:<br>SS316<br><br>Seats:<br>NBR     | NAMUR<br><br>Ex d IIc T6<br>IEC Ex CQM<br>12.022X<br>IP66<br><br>M20 x 1.5 Gland       |
| Converter Plate Included 3/2 + 5/2                                  |                        |     |         |     |                               |     |               |                      |                                                   |                                                                                        |
| 3/2, 5/2 NAMUR Solenoid / Solenoid. Manual Override, SS316 Body     |                        |     |         |     |                               |     |               |                      |                                                   |                                                                                        |
| ALV620F3 - C4 - * Ex                                                | 3/2<br>5/2             | 1/4 | 6       | 1.1 | 2-8                           | 2-8 | –             | -20°C<br> <br>+60°C  | Body & Housing:<br>SS316<br><br>Seats:<br>NBR     | NAMUR<br><br>Ex d IIc T6<br>IEC Ex CQM<br>12.022X<br>IP66<br><br>M20 x 1.5 Gland       |
| Converter Plate Included 3/2 + 5/2                                  |                        |     |         |     |                               |     |               |                      |                                                   |                                                                                        |
| 5/2 IN-LINE Solenoid / Spring. Manual Override, Aluminium Body      |                        |     |         |     |                               |     |               |                      |                                                   |                                                                                        |
| ALV510P2 - C5 - * Ex                                                | 5/2                    | 1/4 | 6       | 1.1 | 2-8                           | 2-8 | –             | -20°C<br> <br>+60°C  | Body & Housing:<br>Aluminium<br><br>Seats:<br>NBR | Body Ported<br><br>Ex d IIc T6<br>IEC Ex CQM<br>12.022X<br>IP66<br><br>M20 x 1.5 Gland |
| 5/2 IN-LINE Solenoid / Solenoid. Manual Override, Aluminium Body    |                        |     |         |     |                               |     |               |                      |                                                   |                                                                                        |
| ALV520P2 - C5 - * Ex                                                | 5/2                    | 1/4 | 6       | 1.1 | 2-8                           | 2-8 | –             | -20°C<br> <br>+60°C  | Body & Housing:<br>Aluminium<br><br>Seats:<br>NBR | Body Ported<br><br>Ex d IIc T6<br>IEC Ex CQM<br>12.022X<br>IP66<br><br>M20 x 1.5 Gland |
| 5/2 IN-LINE Solenoid / Spring. Manual Override, SS316 Body          |                        |     |         |     |                               |     |               |                      |                                                   |                                                                                        |
| ALV610P2 - C4 - * Ex                                                | 5/2                    | 1/4 | 6       | 1.1 | 2-8                           | 2-8 | –             | -20°C<br> <br>+60°C  | Body & Housing:<br>SS316<br><br>Seats:<br>NBR     | Body Ported<br><br>Ex d IIc T6<br>IEC Ex CQM<br>12.022X<br>IP66<br><br>M20 x 1.5 Gland |
| 5/2 IN-LINE Solenoid / Solenoid. Manual Override, SS316 Body        |                        |     |         |     |                               |     |               |                      |                                                   |                                                                                        |
| ALV620P2 - C4 - * Ex                                                | 5/2                    | 1/4 | 6       | 1.1 | 2-8                           | 2-8 | –             | -20°C<br> <br>+60°C  | Body & Housing:<br>SS316<br><br>Seats:<br>NBR     | Body Ported<br><br>Ex d IIc T6<br>IEC Ex CQM<br>12.022X<br>IP66<br><br>M20 x 1.5 Gland |

# Solenoid Valve Selection Guide

[illegible]

These selection charts are an approximate guide only.  
The working pressure may vary with size within any one valve model.  
Consult the specific Data Sheet or your supplier

**\* = Optional**



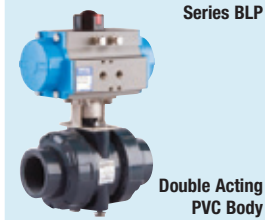
## 12

These selection charts are an approximate guide only. The working pressure may vary with size within any one valve model. Consult the specific Data Sheet or your supplier

[illegible]

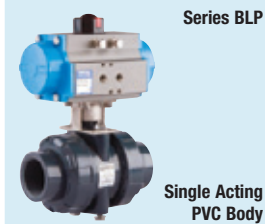
## PVC

### AIR / FLUID / AQUACULTURE 2 Way - Double Acting Pneumatic



| Model                                                                         | Actuator | Port Size<br>BSP | Orifice<br>Ømm | Media<br>Pressure | Media<br>Temperature | Actuator<br>Air<br>Pressure | Material<br>of<br>Construction                                                           | Features                                                                                                                                                             |
|-------------------------------------------------------------------------------|----------|------------------|----------------|-------------------|----------------------|-----------------------------|------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| JRE 2 Way - Double Acting Pneumatic                                           |          |                  |                |                   |                      |                             |                                                                                          |                                                                                                                                                                      |
| BLP4B - DA - E                                                                | DA50     | 1/2              | 15             | Vacuum            | Ambient              | 6-8 BAR                     | UPVC Body (std.)<br>(Also PP & PVDF)<br>PTFE Seats<br>O-rings<br>E=EPDM (Std)<br>V=Viton | True Union with Safety<br>Block. Stainless Steel<br>Adaptor and Yoke.<br>BSP or Solvent Weld<br>Actuator<br>std. aluminium<br>Optional plastic<br>or Stainless Steel |
| BLP5B - DA - E                                                                | DA50     | 3/4              | 20             |                   |                      |                             |                                                                                          |                                                                                                                                                                      |
| BLP6B - DA - E                                                                | DA50     | 1                | 25             |                   |                      |                             |                                                                                          |                                                                                                                                                                      |
| BLP7B - DA - E                                                                | DA63     | 1-1/4            | 32             |                   |                      |                             |                                                                                          |                                                                                                                                                                      |
| BLP8B - DA - E                                                                | DA63     | 1-1/2            | 40             |                   |                      |                             |                                                                                          |                                                                                                                                                                      |
| BLP9B - DA - E                                                                | DA63     | 2                | 50             | 10 BAR            | Ambient              | 6-8 BAR                     | Threaded,<br>Solvent Weld                                                                |                                                                                                                                                                      |
| BLP10B - DA - E                                                               | DA75     | 2-1/2            | 65             |                   |                      |                             |                                                                                          |                                                                                                                                                                      |
| BLP11B - DA - E                                                               | DA75     | 3                | 80             |                   |                      |                             |                                                                                          |                                                                                                                                                                      |
| BLP12B - DA - E                                                               | DA75     | 4                | 100            |                   |                      |                             |                                                                                          |                                                                                                                                                                      |
| Viton available, change 'E' to 'V' • B = BSP • S = Solvent Weld • F = Flanged |          |                  |                |                   |                      |                             |                                                                                          |                                                                                                                                                                      |

### AIR / FLUID / AQUACULTURE 2 Way - Spring Return Pneumatic



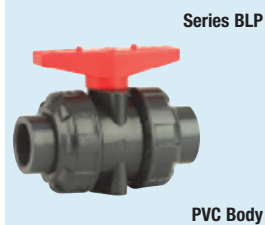
|                                                                                             |      |       |     |        |         |         |                                                                                          |                                                                                                                                                                      |
|---------------------------------------------------------------------------------------------|------|-------|-----|--------|---------|---------|------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BLP54B - SR - E                                                                             | SR50 | 1/2   | 15  | Vacuum | Ambient | 6-8 BAR | UPVC Body (std.)<br>(Also PP & PVDF)<br>PTFE Seats<br>O-rings<br>E=EPDM (Std)<br>V=Viton | True Union with Safety<br>Block. Stainless Steel<br>Adaptor and Yoke.<br>BSP or Solvent Weld<br>Actuator<br>std. aluminium<br>Optional plastic<br>or Stainless Steel |
| BLP55B - SR - E                                                                             | SR50 | 3/4   | 20  |        |         |         |                                                                                          |                                                                                                                                                                      |
| BLP56B - SR - E                                                                             | SR50 | 1     | 25  |        |         |         |                                                                                          |                                                                                                                                                                      |
| BLP57B - SR - E                                                                             | SR63 | 1-1/4 | 32  |        |         |         |                                                                                          |                                                                                                                                                                      |
| BLP58B - SR - E                                                                             | SR63 | 1-1/2 | 40  |        |         |         |                                                                                          |                                                                                                                                                                      |
| BLP59B - SR - E                                                                             | SR75 | 2     | 50  | 10 BAR | Ambient | 6-8 BAR | Threaded,<br>Solvent Weld                                                                |                                                                                                                                                                      |
| BLP510B - SR - E                                                                            | SR75 | 2-1/2 | 65  |        |         |         |                                                                                          |                                                                                                                                                                      |
| BLP511B - SR - E                                                                            | SR88 | 3     | 80  |        |         |         |                                                                                          |                                                                                                                                                                      |
| BLP512B - SR - E                                                                            | SR88 | 4     | 100 |        |         |         |                                                                                          |                                                                                                                                                                      |
| For normally open function change 4th digit to 6 • B = BSP • S = Solvent Weld • F = Flanged |      |       |     |        |         |         |                                                                                          |                                                                                                                                                                      |

### AIR / FLUID / AQUACULTURE 2 Way - Electric On/Off



|                                            |      |       |     |        |         |                                                                        |                                                                                                  |                                                                                                                                                    |
|--------------------------------------------|------|-------|-----|--------|---------|------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| BLP4B - E* - E                             | OM-1 | 1/2   | 15  | VACUUM | Ambient | E1=240VAC<br>E2=110VAC<br>E5=24VAC<br>E7=12VDC<br>E8=24VDC<br>E11=415V | UPVC Body (std.)<br>(Also PP & PVDF)<br><br>PTFE Seats<br><br>O-rings<br>E=EPDM (Std)<br>V=Viton | True Union with Safety<br>Block. Stainless Steel<br>Adaptor and Yoke.<br><br>Actuator - see Series<br>'OM' for details P26.<br>BSP or Solvent Weld |
| BLP5B - E* - E                             | OM-1 | 3/4   | 20  |        |         |                                                                        |                                                                                                  |                                                                                                                                                    |
| BLP6B - E* - E                             | OM-1 | 1     | 25  |        |         |                                                                        |                                                                                                  |                                                                                                                                                    |
| BLP7B - E* - E                             | OM-1 | 1-1/4 | 32  |        |         |                                                                        |                                                                                                  |                                                                                                                                                    |
| BLP8B - E* - E                             | OM-1 | 1-1/2 | 40  |        |         |                                                                        |                                                                                                  |                                                                                                                                                    |
| BLP9B - E* - E                             | OM-1 | 2     | 50  | 10 BAR | Ambient |                                                                        | Threaded,<br>Solvent Weld                                                                        |                                                                                                                                                    |
| BLP10B - E* - E                            | OM-A | 2-1/2 | 65  |        |         |                                                                        |                                                                                                  |                                                                                                                                                    |
| BLP11B - E* - E                            | OM-A | 3     | 80  |        |         |                                                                        |                                                                                                  |                                                                                                                                                    |
| BLP12B - E* - E                            | OM-A | 4     | 100 |        |         |                                                                        |                                                                                                  |                                                                                                                                                    |
| • B = BSP • S = Solvent Weld • F = Flanged |      |       |     |        |         |                                                                        |                                                                                                  |                                                                                                                                                    |

### AIR / FLUID / AQUACULTURE 2 Way - Manual Handle



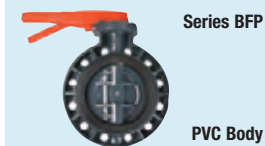
|                                            |                  |       |     |                                                      |                                                        |                                                                                                  |                                                                        |
|--------------------------------------------|------------------|-------|-----|------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|
| BLP4B - L - E                              | Manual<br>Handle | 1/2   | 15  | Vacuum<br><br><br><br><br><br><br><br><br><br>10 BAR | Ambient<br><br><br><br><br><br><br><br><br><br>Ambient | UPVC Body (std.)<br>(Also PP & PVDF)<br><br>PTFE Seats<br><br>O-rings<br>E=EPDM (Std)<br>V=Viton | True Union with Safety<br>Block.<br><br>Threaded<br>OR<br>Solvent Weld |
| BLP5B - L - E                              |                  | 3/4   | 20  |                                                      |                                                        |                                                                                                  |                                                                        |
| BLP6B - L - E                              |                  | 1     | 25  |                                                      |                                                        |                                                                                                  |                                                                        |
| BLP7B - L - E                              |                  | 1-1/4 | 32  |                                                      |                                                        |                                                                                                  |                                                                        |
| BLP8B - L - E                              |                  | 1-1/2 | 40  |                                                      |                                                        |                                                                                                  |                                                                        |
| BLP9B - L - E                              |                  | 2     | 50  |                                                      |                                                        |                                                                                                  |                                                                        |
| BLP10B - L - E                             |                  | 2-1/2 | 65  |                                                      |                                                        |                                                                                                  |                                                                        |
| BLP11B - L - E                             |                  | 3     | 80  |                                                      |                                                        |                                                                                                  |                                                                        |
| BLP12B - L - E                             |                  | 4     | 100 |                                                      |                                                        |                                                                                                  |                                                                        |
| • B = BSP • S = Solvent Weld • F = Flanged |                  |       |     |                                                      |                                                        |                                                                                                  |                                                                        |

### AIR / FLUID / AQUACULTURE 3 Way - Manual / Pneumatic / Electric



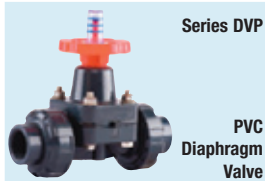
|                                                            |                                               |       |    |        |         |         |                                                                                     |                                                                                                          |
|------------------------------------------------------------|-----------------------------------------------|-------|----|--------|---------|---------|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| BLP3L4B - L - E                                            | MANUAL LEVER<br>PNEUMATIC DA / SR<br>ELECTRIC | 1/2   | 15 | Vacuum | Ambient | 6-8 BAR | UPVC Body<br>PTFE Seats<br>O-rings<br>E=EPDM (Std)<br><br>Threaded,<br>Solvent Weld | True Union St.St.<br>Adaptor and Yoke.<br>BSP or Solvent Weld.<br><br><br>Optional Manual or<br>Actuated |
| BLP3L5B - L - E                                            |                                               | 3/4   | 20 | 10 BAR | Ambient | 6-8 BAR |                                                                                     |                                                                                                          |
| BLP3L6B - L - E                                            |                                               | 1     | 25 |        |         |         |                                                                                     |                                                                                                          |
| BLP3L7B - L - E                                            |                                               | 1-1/4 | 32 |        |         |         |                                                                                     |                                                                                                          |
| BLP3L8B - L - E                                            |                                               | 1-1/2 | 40 |        |         |         |                                                                                     |                                                                                                          |
| BLP3L9B - L - E                                            |                                               | 2     | 50 |        |         |         |                                                                                     |                                                                                                          |
| 3L = 'L' Port • 3T = 'T' Port • B = BSP • S = Solvent Weld |                                               |       |    |        |         |         |                                                                                     |                                                                                                          |

### AIR / FLUID / AQUACULTURE PVC Butterfly Valve



|                  |                                               |                  |     |        |         |                                                          |          |
|------------------|-----------------------------------------------|------------------|-----|--------|---------|----------------------------------------------------------|----------|
| BFP50FA - L - E  | MANUAL LEVER<br>PNEUMATIC DA / SR<br>ELECTRIC | ANSI 150<br>PN10 | 50  | 0      | Ambient | UPVC Body<br>PP Disc<br><br>EPDM Seat<br><br>ANSI / PN10 | Optional |
| BFP65FA - L - E  |                                               |                  | 65  | 10 BAR | Ambient |                                                          |          |
| BFP80FA - L - E  |                                               |                  | 80  |        |         |                                                          |          |
| BFP100FA - L - E |                                               |                  | 100 |        |         |                                                          |          |
| BFP125FA - L - E |                                               |                  | 125 |        |         |                                                          |          |
| BFP150FA - L - E |                                               |                  | 150 |        |         |                                                          |          |
| BFP200FA - L - E |                                               |                  | 200 |        |         |                                                          |          |

### AIR / FLUID / AQUACULTURE PVC Diaphragm Valve



|                                                                  |                 |       |     |        |         |  |                                      |                                                          |
|------------------------------------------------------------------|-----------------|-------|-----|--------|---------|--|--------------------------------------|----------------------------------------------------------|
| DVPB - 04                                                        | Manual<br>Wheel | 1/2   | 15  | Vacuum | Ambient |  | UPVC Body (std.)<br>(Also PP & PVDF) | Optional:<br>BSP Threaded, Solvent<br>Welded,<br>Flanged |
| DVPB - 05                                                        |                 | 3/4   | 20  |        |         |  |                                      |                                                          |
| DVPB - 06                                                        |                 | 1     | 25  |        |         |  |                                      |                                                          |
| DVPB - 08                                                        |                 | 1-1/2 | 40  | 10 BAR | Ambient |  |                                      |                                                          |
| DVPB - 09                                                        |                 | 2     | 50  |        |         |  |                                      |                                                          |
| DVPB - 11                                                        |                 | 3     | 80  |        |         |  |                                      |                                                          |
| DVPB - 12                                                        |                 | 4     | 100 |        |         |  |                                      |                                                          |
| • B = BSP • S = Solvent Weld • F = Flanged • Optional Spigot End |                 |       |     |        |         |  | Diaphragm:<br>Viton FKM              | Optional Diaphragm:<br>PTFE                              |
|                                                                  |                 |       |     |        |         |  | O-rings<br>V=Viton                   |                                                          |

## BRASS 2pc Nickel Plated

### AIR / FLUID



| Model                                                                                                    | Actuator                                     | Port Size<br>BSP                       | Orifice<br>Ømm                   | Media<br>Pressure         | Media<br>Temperature    | Actuator<br>Air<br>Pressure | Material<br>of<br>Construction                                      | Features                                                                   |
|----------------------------------------------------------------------------------------------------------|----------------------------------------------|----------------------------------------|----------------------------------|---------------------------|-------------------------|-----------------------------|---------------------------------------------------------------------|----------------------------------------------------------------------------|
| 2 Way - Double Acting Pneumatic                                                                          |                                              |                                        |                                  |                           |                         |                             |                                                                     |                                                                            |
| BLB4B - DA - T<br>BLB5B - DA - T<br>BLB6B - DA - T<br>BLB7B - DA - T<br>BLB8B - DA - T<br>BLB9B - DA - T | DA50<br>DA50<br>DA50<br>DA63<br>DA63<br>DA75 | 1/2<br>3/4<br>1<br>1-1/4<br>1-1/2<br>2 | 15<br>20<br>25<br>32<br>40<br>50 | Vacuum<br> <br><br>16 BAR | -20°C<br> <br><br>120°C | 6-8 BAR<br> <br><br>6-8 BAR | Body: Brass<br><br>Ball: SS304<br><br>PTFE Seats<br><br>Viton Seals | Direct Mount<br>Compact Design.<br>Standard with<br>aluminium<br>actuator. |

### AIR / FLUID



| 2 Way - Spring Return Pneumatic |      |       |    |        |       |         |             |                                                                            |  |
|---------------------------------|------|-------|----|--------|-------|---------|-------------|----------------------------------------------------------------------------|--|
| BLB54B - SR - T                 | SR50 | 1/2   | 15 | Vacuum | -20°C | 6-8 BAR | Body: Brass | Direct Mount<br>Compact Design.<br>Standard with<br>aluminium<br>actuator. |  |
| BLB55B - SR - T                 | SR50 | 3/4   | 20 | 16 BAR | 120°C | 6-8 BAR | Ball: SS304 |                                                                            |  |
| BLB56B - SR - T                 | SR50 | 1     | 25 |        |       |         | PTFE Seats  |                                                                            |  |
| BLB57B - SR - T                 | SR63 | 1-1/4 | 32 |        |       |         | Viton Seals |                                                                            |  |
| BLB58B - SR - T                 | SR75 | 1-1/2 | 40 |        |       |         |             |                                                                            |  |
| BLB59B - SR - T                 | SR88 | 2     | 50 |        |       |         |             |                                                                            |  |

### AIR / FLUID



| 2 Way - Electric On/Off |      |       |    |        |       |           |                 |                                                                   |
|-------------------------|------|-------|----|--------|-------|-----------|-----------------|-------------------------------------------------------------------|
| BLB4B - E* - T          | OM-1 | 1/2   | 15 | Vacuum | -20°C | E1=240VAC | Body: Brass BSP | 2 piece<br>Compact Brass<br>ball valve with<br>electric actuator. |
| BLB5B - E* - T          | OM-1 | 3/4   | 20 | 16 BAR | 120°C | E2=110VAC | Ball: SS304     |                                                                   |
| BLB6B - E* - T          | OM-1 | 1     | 25 |        |       | E5=24VAC  | PTFE Seats      |                                                                   |
| BLB7B - E* - T          | OM-1 | 1-1/4 | 32 |        |       | E7=12VDC  | Viton Seals     |                                                                   |
| BLB8B - E* - T          | OM-1 | 1-1/2 | 40 |        |       | E8=24VDC  |                 |                                                                   |
| BLB9B - E* - A          | OM-A | 2     | 50 |        |       |           |                 | See Series 'OM'<br>for actuator<br>details. P26                   |

### AIR / FLUID



| Lever • 2 Piece |       |       |    |        |       |  |               |       |
|-----------------|-------|-------|----|--------|-------|--|---------------|-------|
| BVB2B - L - T   | Lever | 1/4   | 8  | 16 BAR | -20°C |  | Body: 2 piece | Lever |
| BVB3B - L - T   |       | 3/8   | 10 |        |       |  | Brass.        |       |
| BVB4B - L - T   |       | 1/2   | 15 |        |       |  | BSP Threaded. |       |
| BVB5B - L - T   |       | 3/4   | 20 |        |       |  |               |       |
| BVB6B - L - T   |       | 1     | 25 |        |       |  |               |       |
| BVB7B - L - T   | Lever | 1-1/4 | 32 | 16 BAR | 120°C |  | Seats: PTFE   |       |
| BVB8B - L - T   |       | 1-1/2 | 40 |        |       |  |               |       |
| BVB9B - L - T   |       | 2     | 50 |        |       |  |               |       |

### AIR / FLUID



| Handle • 2 Piece • Mini |        |     |    |        |      |  |                                         |        |
|-------------------------|--------|-----|----|--------|------|--|-----------------------------------------|--------|
| MBVM - 02               | HANDLE | 1/4 | 8  | Vacuum | 0°C  |  | Body: 2 Piece<br>Chrome Plated<br>Brass | Handle |
| MBVM - 03               |        | 3/8 | 8  |        |      |  |                                         |        |
| MBVM - 04               |        | 1/2 | 10 | 16 BAR | 80°C |  |                                         |        |

### AIR / FLUID



| Handle • 2 Piece • Mini |        |     |    |        |      |  |                                         |        |
|-------------------------|--------|-----|----|--------|------|--|-----------------------------------------|--------|
| MBVF - 02               | HANDLE | 1/4 | 8  | Vacuum | 0°C  |  | Body: 2 Piece<br>Chrome Plated<br>Brass | Handle |
| MBVF - 03               |        | 3/8 | 8  |        |      |  |                                         |        |
| MBVF - 04               |        | 1/2 | 10 | 16 BAR | 80°C |  |                                         |        |

## SS316 3pc Threaded

### AIR / FLUID / STEAM / PETROCHEMICAL

### Double Acting Pneumatic



| Model                                                 | Actuator | Port Size BSP | Orifice Ømm | Media Pressure | Media Temperature | Actuator Air Pressure | Material of Construction                                                 | Features                                           |
|-------------------------------------------------------|----------|---------------|-------------|----------------|-------------------|-----------------------|--------------------------------------------------------------------------|----------------------------------------------------|
| BLS2B - DA - RT                                       | DA50     | 1/4           | 8           | 70 BAR W.O.G.  | -20°C             | 6-8 BAR               | Body: 3 piece 316 Stainless Steel. BSP Threaded. Seats: Filled PTFE = RT | Direct Mount. High Pad Self Adjusting Stem Packing |
| BLS3B - DA - RT                                       | DA50     | 3/8           | 10          |                |                   |                       |                                                                          |                                                    |
| BLS4B - DA - RT                                       | DA50     | 1/2           | 15          |                |                   |                       |                                                                          |                                                    |
| BLS5B - DA - RT                                       | DA50     | 3/4           | 20          |                |                   |                       |                                                                          |                                                    |
| BLS6B - DA - RT                                       | DA50     | 1             | 25          |                |                   |                       |                                                                          |                                                    |
| BLS7B - DA - RT                                       | DA63     | 1-1/4         | 32          | Vacuum         |                   |                       |                                                                          |                                                    |
| BLS8B - DA - RT                                       | DA63     | 1-1/2         | 40          |                |                   |                       |                                                                          |                                                    |
| BLS9B - DA - RT                                       | DA75     | 2             | 50          |                |                   |                       |                                                                          |                                                    |
| BLS10B - DA - RT                                      | DA88     | 2-1/2         | 63          |                |                   |                       |                                                                          |                                                    |
| BLS11B - DA - RT                                      | DA100    | 3             | 80          | 10 BAR Steam   | 180°C             | 6-8 BAR               | Optional: Flanges Buttweld Socket weld NPT                               | Actuator-std. aluminium. Optional Stainless Steel  |
| BLS12B - DA - RT                                      | DA115    | 4             | 100         |                |                   |                       |                                                                          |                                                    |
| Optional: NPT Threaded • Butt Weld • Socket Weld Ends |          |               |             |                |                   |                       | Optional De-Clutch Unit. See page 38                                     |                                                    |

### AIR / FLUID / STEAM / PETROCHEMICAL

### Spring Return Pneumatic



|                                                                                                           |       |       |     |               |       |         |                                                                                 |                                                    |
|-----------------------------------------------------------------------------------------------------------|-------|-------|-----|---------------|-------|---------|---------------------------------------------------------------------------------|----------------------------------------------------|
| BLS52B - SR - RT                                                                                          | SR50  | 1/4   | 8   | 70 BAR W.O.G. | -20°C | 6-8 BAR | Body: 3 piece 316 Stainless Steel. BSP Threaded. Filled Seats: Filled PTFE = RT | Direct Mount. High Pad Self Adjusting Stem Packing |
| BLS53B - SR - RT                                                                                          | SR50  | 3/8   | 10  |               |       |         |                                                                                 |                                                    |
| BLS54B - SR - RT                                                                                          | SR50  | 1/2   | 15  |               |       |         |                                                                                 |                                                    |
| BLS55B - SR - RT                                                                                          | SR50  | 3/4   | 20  |               |       |         |                                                                                 |                                                    |
| BLS56B - SR - RT                                                                                          | SR63  | 1     | 25  |               |       |         |                                                                                 |                                                    |
| BLS57B - SR - RT                                                                                          | SR75  | 1-1/4 | 32  | Vacuum        |       |         |                                                                                 |                                                    |
| BLS58B - SR - RT                                                                                          | SR88  | 1-1/2 | 40  |               |       |         |                                                                                 |                                                    |
| BLS59B - SR - RT                                                                                          | SR88  | 2     | 50  |               |       |         |                                                                                 |                                                    |
| BLS510B - SR - RT                                                                                         | SR100 | 2-1/2 | 63  |               |       |         |                                                                                 |                                                    |
| BLS511B - SR - RT                                                                                         | SR115 | 3     | 80  | 10 BAR Steam  | 180°C | 6-8 BAR | Optional: Flanges Buttweld Socket weld NPT                                      | Actuator-std. aluminium. Optional Stainless Steel  |
| BLS512B - SR - RT                                                                                         | SR125 | 4     | 100 |               |       |         |                                                                                 |                                                    |
| Optional: NPT Threaded • Butt Weld • Socket Weld Ends<br>For normally open function change 4th digit to 6 |       |       |     |               |       |         | Optional De-Clutch Unit. See page 38                                            |                                                    |

### AIR / FLUID / STEAM / PETROCHEMICAL

### Electric On/Off



|                                                       |      |       |     |               |       |                                                                          |                                                                       |                                                    |
|-------------------------------------------------------|------|-------|-----|---------------|-------|--------------------------------------------------------------------------|-----------------------------------------------------------------------|----------------------------------------------------|
| BLS2B - E* - RT                                       | OM-1 | 1/4   | 8   | 70 BAR W.O.G. | -20°C | E1=240VAC<br>E2=110VAC<br>E5=24VAC<br>E7=12VDC<br>E8=24VDC<br>E11=415VAC | Body: 3 piece 316 Stainless Steel. (As above) Seats: Filled PTFE = RT | Direct Mount. High Pad Self Adjusting Stem Packing |
| BLS3B - E* - RT                                       | OM-1 | 3/8   | 10  |               |       |                                                                          |                                                                       |                                                    |
| BLS4B - E* - RT                                       | OM-1 | 1/2   | 15  |               |       |                                                                          |                                                                       |                                                    |
| BLS5B - E* - RT                                       | OM-1 | 3/4   | 20  |               |       |                                                                          |                                                                       |                                                    |
| BLS6B - E* - RT                                       | OM-1 | 1     | 25  |               |       |                                                                          |                                                                       |                                                    |
| BLS7B - E* - RT                                       | OM-1 | 1-1/4 | 32  | Vacuum        |       |                                                                          |                                                                       |                                                    |
| BLS8B - E* - RT                                       | OM-1 | 1-1/2 | 40  |               |       |                                                                          |                                                                       |                                                    |
| BLS9B - E* - RT                                       | OM-A | 2     | 50  |               |       |                                                                          |                                                                       |                                                    |
| BLS10B - E* - RT                                      | OM-2 | 2-1/2 | 63  |               |       |                                                                          |                                                                       |                                                    |
| BLS11B - E* - RT                                      | OM-3 | 3     | 80  | 10 BAR Steam  | 180°C |                                                                          | Optional: Flanges Buttweld Socket weld NPT                            | see Series 'OM' for Actuator details Page 26       |
| BLS12B - E* - RT                                      | OM-3 | 4     | 100 |               |       |                                                                          |                                                                       | Also available as Spring Close                     |
| Optional: NPT Threaded • Butt Weld • Socket Weld Ends |      |       |     |               |       |                                                                          |                                                                       |                                                    |

### AIR / FLUID / STEAM / PETROCHEMICAL

### Lever. Lockable. 3 Piece • Optional Gear Box Control or Spring Close Lever



|                                                                            |       |       |     |               |       |             |                                                                                 |                                                    |
|----------------------------------------------------------------------------|-------|-------|-----|---------------|-------|-------------|---------------------------------------------------------------------------------|----------------------------------------------------|
| BLS2B - L - RT                                                             | Lever | 1/4   | 8   | 70 BAR W.O.G. | -20°C | □ Shaft 9mm | Body: 3 piece 316 Stainless Steel. BSP Threaded. Filled Seats: Filled PTFE = RT | Direct Mount. High Pad Self Adjusting Stem Packing |
| BLS3B - L - RT                                                             |       | 3/8   | 10  |               |       |             |                                                                                 |                                                    |
| BLS4B - L - RT                                                             |       | 1/2   | 15  |               |       |             |                                                                                 |                                                    |
| BLS5B - L - RT                                                             |       | 3/4   | 20  |               |       |             |                                                                                 |                                                    |
| BLS6B - L - RT                                                             |       | 1     | 25  |               |       |             |                                                                                 |                                                    |
| BLS7B - L - RT                                                             |       | 1-1/4 | 32  | Vacuum        |       | 11mm        | Optional: Flanges Buttweld Socket weld NPT                                      | Lockable Lever                                     |
| BLS8B - L - RT                                                             |       | 1-1/2 | 40  |               |       | 14mm        |                                                                                 |                                                    |
| BLS9B - L - RT                                                             |       | 2     | 50  |               |       | 17mm        |                                                                                 |                                                    |
| BLS10B - L - RT                                                            |       | 2-1/2 | 63  |               |       | 19mm        |                                                                                 |                                                    |
| BLS11B - L - RT                                                            |       | 3     | 80  | 10 BAR Steam  | 180°C |             |                                                                                 |                                                    |
| BLS12B - L - RT                                                            | Lever | 4     | 100 |               |       |             |                                                                                 |                                                    |
| Optional: NPT Threaded • Butt Weld • Socket Weld Ends • Spring Close Lever |       |       |     |               |       |             | 'Dead Man' Handle Optional up to 2"                                             |                                                    |

### AIR / FLUID

### Lever. Lockable. 2 Piece



|                |       |       |     |        |       |  |                                                              |                |
|----------------|-------|-------|-----|--------|-------|--|--------------------------------------------------------------|----------------|
| BVS2B - L - T  | Lever | 1/4   | 8   | 55 BAR | -20°C |  | Body: 2 piece 316 Stainless Steel. BSP Threaded. Seats: PTFE | Lockable Lever |
| BVS3B - L - T  |       | 3/8   | 10  |        |       |  |                                                              |                |
| BVS4B - L - T  |       | 1/2   | 15  |        |       |  |                                                              |                |
| BVS5B - L - T  |       | 3/4   | 20  |        |       |  |                                                              |                |
| BVS6B - L - T  |       | 1     | 25  |        |       |  |                                                              |                |
| BVS7B - L - T  |       | 1-1/4 | 32  |        |       |  |                                                              |                |
| BVS8B - L - T  |       | 1-1/2 | 40  |        |       |  |                                                              |                |
| BVS9B - L - T  |       | 2     | 50  |        |       |  |                                                              |                |
| BVS10B - L - T |       | 2-1/2 | 65  |        |       |  |                                                              |                |
| BVS11B - L - T |       | 3     | 80  |        |       |  |                                                              |                |
| BVS12B - L - T | Lever | 4     | 100 | 55 BAR | 120°C |  |                                                              |                |

REFER TO PAGE 9 & 10 FOR SUITABLE SOLENOID CONTROL VALVE

3 PIECE VALVE - Also available with; • NPT Threaded Ends • Butt Weld Ends • Socket Weld Ends • Combinations of Above



**SS316 3 way  
Threaded**

| Model | Actuator | Port Size<br>BSP | Orifice<br>Ømm | Media<br>Pressure | Media<br>Temperature | Actuator<br>Air<br>Pressure | Material<br>of<br>Construction | Features |
|-------|----------|------------------|----------------|-------------------|----------------------|-----------------------------|--------------------------------|----------|
|-------|----------|------------------|----------------|-------------------|----------------------|-----------------------------|--------------------------------|----------|

**AIR / FLUID / STEAM / PETROCHEMICAL Double Acting Pneumatic**

|                                                                                                                                                                             |                                                                                  |       |       |    |        |       |              |                              |                |                           |                                                                                    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|-------|-------|----|--------|-------|--------------|------------------------------|----------------|---------------------------|------------------------------------------------------------------------------------|
|  <p>Series BLS</p> <p>Double Acting<br/>'L' or 'T' Port</p> <p>316 Stainless Steel Body</p> | BLS3L2B - DA - RT                                                                | DA50  | 1/4   | 8  | 68 BAR | -20°C | 6-8 BAR      | Body: 316<br>Stainless Steel | Compact Design |                           |                                                                                    |
|                                                                                                                                                                             | BLS3L3B - DA - RT                                                                | DA50  | 3/8   | 10 | W.O.G. |       |              |                              |                | Seats<br>Filled PTFE = RT | Standard with<br>aluminium<br>actuator.<br>Optional<br>Stainless Steel<br>Actuator |
|                                                                                                                                                                             | BLS3L4B - DA - RT                                                                | DA50  | 1/2   | 12 |        |       |              |                              |                |                           |                                                                                    |
|                                                                                                                                                                             | BLS3L5B - DA - RT                                                                | DA50  | 3/4   | 15 |        |       |              |                              |                |                           |                                                                                    |
|                                                                                                                                                                             | BLS3L6B - DA - RT                                                                | DA50  | 1     | 20 |        |       |              |                              |                |                           |                                                                                    |
|                                                                                                                                                                             | BLS3L7B - DA - RT                                                                | DA63  | 1-1/4 | 25 | Vacuum |       |              |                              |                |                           |                                                                                    |
|                                                                                                                                                                             | BLS3L8B - DA - RT                                                                | DA75  | 1-1/2 | 32 |        |       |              |                              |                |                           |                                                                                    |
|                                                                                                                                                                             | BLS3L9B - DA - RT                                                                | DA88  | 2     | 43 |        |       |              |                              |                |                           |                                                                                    |
|                                                                                                                                                                             | BLS3L10B - DA - RT                                                               | DA100 | 2-1/2 | 55 |        |       | 6-8 BAR      |                              |                |                           |                                                                                    |
|                                                                                                                                                                             | BLS3L11B - DA - RT                                                               | DA115 | 3     | 66 |        |       | Air Pressure |                              |                |                           |                                                                                    |
|                                                                                                                                                                             | 3L = 'L' Port 3T = 'T' Port — For Flanged 3 Way Full Bore to 4" refer to page 17 |       |       |    |        |       |              |                              |                |                           |                                                                                    |

**AIR / FLUID / STEAM / PETROCHEMICAL Spring Return Pneumatic**

|                                                                                                                                                                             |                                                                                  |       |       |    |        |       |              |                              |                           |                                     |                                                                                                      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|-------|-------|----|--------|-------|--------------|------------------------------|---------------------------|-------------------------------------|------------------------------------------------------------------------------------------------------|
|  <p>Series BLS</p> <p>Spring Return<br/>'L' or 'T' Port</p> <p>316 Stainless Steel Body</p> | BLS3L2B - SR - RT                                                                | SR50  | 1/4   | 8  | 68 BAR | -20°C | 6-8 BAR      | Body: 316<br>Stainless Steel | Seats<br>Filled PTFE = RT | 3 Way<br>3L = L Port<br>3T = T Port | Compact Design<br>Standard with<br>aluminium<br>actuator.<br>Optional<br>Stainless Steel<br>Actuator |
|                                                                                                                                                                             | BLS3L3B - SR - RT                                                                | SR50  | 3/8   | 10 | W.O.G. |       |              |                              |                           |                                     |                                                                                                      |
|                                                                                                                                                                             | BLS3L4B - SR - RT                                                                | SR50  | 1/2   | 12 |        |       |              |                              |                           |                                     |                                                                                                      |
|                                                                                                                                                                             | BLS3L5B - SR - RT                                                                | SR63  | 3/4   | 15 |        |       |              |                              |                           |                                     |                                                                                                      |
|                                                                                                                                                                             | BLS3L6B - SR - RT                                                                | SR63  | 1     | 20 |        |       |              |                              |                           |                                     |                                                                                                      |
|                                                                                                                                                                             | BLS3L7B - SR - RT                                                                | SR75  | 1-1/4 | 25 | Vacuum |       |              |                              |                           |                                     |                                                                                                      |
|                                                                                                                                                                             | BLS3L8B - SR - RT                                                                | SR88  | 1-1/2 | 32 |        |       |              |                              |                           |                                     |                                                                                                      |
|                                                                                                                                                                             | BLS3L9B - SR - RT                                                                | SR100 | 2     | 43 |        |       |              |                              |                           |                                     |                                                                                                      |
|                                                                                                                                                                             | BLS3L10B - SR - RT                                                               | SR115 | 2-1/2 | 55 |        |       | 6-8 BAR      |                              |                           |                                     |                                                                                                      |
|                                                                                                                                                                             | BLS3L11B - SR - RT                                                               | SR125 | 3     | 66 |        | 180°C | Air Pressure |                              |                           |                                     |                                                                                                      |
|                                                                                                                                                                             | 3L = 'L' Port 3T = 'T' Port — For Flanged 3 Way Full Bore to 4" refer to page 17 |       |       |    |        |       |              |                              |                           |                                     |                                                                                                      |

**AIR / FLUID / STEAM / PETROCHEMICAL Electric On/Off**

|                                                                                                                                                                                      |                                                                                        |      |       |    |        |       |                                                                          |                                                                                                          |                                                                                                         |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|------|-------|----|--------|-------|--------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
|  <p>Series BLS</p> <p>Electrically Actuated<br/>'L' or 'T' Port</p> <p>316 Stainless Steel Body</p> | BLS3L2B - E* - RT                                                                      | OM-1 | 1/4   | 8  | 68 BAR | -20°C | E1=240VAC<br>E2=110VAC<br>E5=24VAC<br>E7=12VDC<br>E8=24VDC<br>E11=415VAC | Body:<br>316 Stainless Steel<br><br>Seats<br>Filled PTFE = RT<br><br>3 Way<br>3L = L Port<br>3T = T Port | Electric Actuator<br><br>See Series 'OM' for actuator details<br><br>Also available as Spring Close P26 |
|                                                                                                                                                                                      | BLS3L3B - E* - RT                                                                      | OM-1 | 3/8   | 10 | W.O.G. |       |                                                                          |                                                                                                          |                                                                                                         |
|                                                                                                                                                                                      | BLS3L4B - E* - RT                                                                      | OM-1 | 1/2   | 12 |        |       |                                                                          |                                                                                                          |                                                                                                         |
|                                                                                                                                                                                      | BLS3L5B - E* - RT                                                                      | OM-1 | 3/4   | 15 |        |       |                                                                          |                                                                                                          |                                                                                                         |
|                                                                                                                                                                                      | BLS3L6B - E* - RT                                                                      | OM-1 | 1     | 20 |        |       |                                                                          |                                                                                                          |                                                                                                         |
|                                                                                                                                                                                      | BLS3L7B - E* - RT                                                                      | OM-1 | 1-1/4 | 25 |        |       |                                                                          |                                                                                                          |                                                                                                         |
|                                                                                                                                                                                      | BLS3L8B - E* - RT                                                                      | OM-A | 1-1/2 | 32 | Vacuum |       |                                                                          |                                                                                                          |                                                                                                         |
|                                                                                                                                                                                      | BLS3L9B - E* - RT                                                                      | OM-2 | 2     | 43 |        |       |                                                                          |                                                                                                          |                                                                                                         |
|                                                                                                                                                                                      | BLS3L10B - E* - RT                                                                     | OM-2 | 2-1/2 | 55 |        |       |                                                                          |                                                                                                          |                                                                                                         |
|                                                                                                                                                                                      | BLS3L11B - E* - RT                                                                     | OM-3 | 3     | 66 |        | 180°C |                                                                          |                                                                                                          |                                                                                                         |
|                                                                                                                                                                                      | 3L = 'L' Port    3T = 'T' Port    — For Flanged 3 Way Full Bore to 4" refer to page 17 |      |       |    |        |       |                                                                          |                                                                                                          |                                                                                                         |

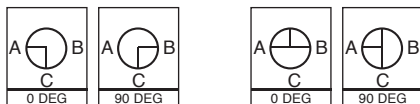
**AIR / FLUID / STEAM / PETROCHEMICAL L Port or T Port. Lever. Lockable.**

|                                                                                                                                                |                   |       |     |        |                  |                           |      |                                 |                |                                |
|------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------|-----|--------|------------------|---------------------------|------|---------------------------------|----------------|--------------------------------|
|  <div>Series BLS</div> <div>Lever</div> <div>PTFE Seat</div> | BLS3L2B - L - RT  | Lever | 1/4 | 9.5    | 68 BAR<br>W.O.G. | -20°C                     | 9mm  | Body:<br>316 Stainless<br>Steel | Compact Design |                                |
|                                                                                                                                                | BLS3L3B - L - RT  |       | 3/8 | 9.5    |                  |                           |      |                                 |                |                                |
|                                                                                                                                                | BLS3L4B - L - RT  |       | 1/2 | 12     |                  |                           |      |                                 |                |                                |
|                                                                                                                                                | BLS3L5B - L - RT  |       | 3/4 | 15     |                  |                           |      |                                 |                |                                |
|                                                                                                                                                | BLS3L6B - L - RT  | 1     | 20  | Vacuum | 11mm             | Seats<br>Filled PTFE = RT |      |                                 |                |                                |
|                                                                                                                                                | BLS3L7B - L - RT  | 1-1/4 | 25  |        |                  |                           |      |                                 |                |                                |
|                                                                                                                                                | BLS3L8B - L - RT  | 1-1/2 | 32  |        |                  |                           |      |                                 |                |                                |
|                                                                                                                                                | BLS3L9B - L - RT  | 2     | 40  |        |                  |                           |      |                                 |                |                                |
|                                                                                                                                                | BLS3L10B - L - RT | 2-1/2 | 50  |        |                  |                           |      |                                 |                |                                |
|                                                                                                                                                | BLS3L11B - L - RT | Lever | 3   |        |                  |                           | 65   |                                 |                |                                |
| 3L = 'L' Port   3T = 'T' Port   — For Flanged 3 Way Full Bore to 4" refer to page 17                                                           |                   |       |     |        |                  |                           | 17mm | 3 Way<br>L Port or T Port       | Lockable Lever |                                |
|                                                                                                                                                |                   |       |     |        |                  |                           |      |                                 |                | <input type="checkbox"/> Shaft |

**AIR / FLUID / STEAM / PETROCHEMICAL L Port or T Port Gear Box**

|                                                                                                    |                                                                                  |     |       |    |        |       |                                                                                                    |                                                                       |
|----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|-----|-------|----|--------|-------|----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|
|  <p>Gear Box</p> | BLS3L8B - G - RT                                                                 | GB1 | 1-1/2 | 32 | 68 BAR | -20°C | Body: 316<br>Stainless Steel<br><br>Seats<br>Filled PTFE = RT<br><br>3 Way<br><br>T Port or L Port | Compact Design<br><br>Gear Box<br><br>SS Trim<br><br>Visual Indicator |
|                                                                                                    | BLS3L9B - G - RT                                                                 | GB2 | 2     | 40 | W.O.G. |       |                                                                                                    |                                                                       |
|                                                                                                    | BLS3L10B - G - RT                                                                | GB2 | 2-1/2 | 50 | Vacuum |       |                                                                                                    |                                                                       |
|                                                                                                    | BLS3L11B - G - RT                                                                | GB2 | 3     | 65 | ↓      | 180°C |                                                                                                    |                                                                       |
|                                                                                                    | 3L = 'L' Port 3T = 'T' Port — For Flanged 3 Way Full Bore to 4" refer to page 17 |     |       |    |        |       |                                                                                                    |                                                                       |

**'L' PORT CONFIGURATION 'T' PORT CONFIGURATION**



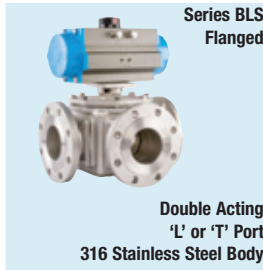
**REFER TO PAGE 9 & 10 FOR SUITABLE SOLENOID CONTROL VALVE**

**SS316 3 way  
Flanged**

| Model | Actuator | Flanged<br>ANSI 150 | Orifice<br>Ømm | Media<br>Pressure<br>AM6 | Media<br>Temperature | Actuator<br>Air<br>Pressure | Material<br>of<br>Construction | Features |
|-------|----------|---------------------|----------------|--------------------------|----------------------|-----------------------------|--------------------------------|----------|
|-------|----------|---------------------|----------------|--------------------------|----------------------|-----------------------------|--------------------------------|----------|

**AIR / FLUID / STEAM / PETROCHEMICAL**

**Double Acting Pneumatic**



|                                                                                                                                                                                                       |                                                                         |                |                                                     |                                                         |                     |                                         |                                                                                                           |                                                                                                                          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|----------------|-----------------------------------------------------|---------------------------------------------------------|---------------------|-----------------------------------------|-----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| BLS3L4FA - DA - RT<br>BLS3L5FA - DA - RT<br>BLS3L6FA - DA - RT<br>BLS3L7FA - DA - RT<br>BLS3L8FA - DA - RT<br>BLS3L9FA - DA - RT<br>BLS3L10FA - DA - RT<br>BLS3L11FA - DA - RT<br>BLS3L12FA - DA - RT | DA50<br>DA63<br>DA63<br>DA75<br>DA75<br>DA88<br>DA100<br>DA115<br>DA125 | ANSI 150<br>RF | 15<br>20<br>25<br>32<br>40<br>50<br>65<br>80<br>100 | 20 BAR<br>W.O.G.<br> <br>Vacuum<br> <br>10 BAR<br>STEAM | -20°C<br> <br>180°C | 6-8 BAR<br> <br>6-8 BAR<br>Air Pressure | Body: 316<br>Stainless Steel<br><br>Seats:<br>Filled PTFE = RT<br><br>3 Way<br>3L = L Port<br>3T = T Port | ISO Pad Mounting<br><br>Full Flow<br><br>Standard with<br>aluminium<br>actuator,<br>Optional Stainless<br>Steel Actuator |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|----------------|-----------------------------------------------------|---------------------------------------------------------|---------------------|-----------------------------------------|-----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|

3L = L Port 3T = T Port • Optional ANSI 300 • WCB (Cast Steel) Optional

**AIR / FLUID / STEAM / PETROCHEMICAL**

**Spring Return Pneumatic**



|                                                                                                                                                                                                       |                                                                           |                |                                                     |                                                         |                     |                                         |                                                                                                           |                                                                                                                          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|----------------|-----------------------------------------------------|---------------------------------------------------------|---------------------|-----------------------------------------|-----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| BLS3L4FA - SR - RT<br>BLS3L5FA - SR - RT<br>BLS3L6FA - SR - RT<br>BLS3L7FA - SR - RT<br>BLS3L8FA - SR - RT<br>BLS3L9FA - SR - RT<br>BLS3L10FA - SR - RT<br>BLS3L11FA - SR - RT<br>BLS3L12FA - SR - RT | SR63<br>SR75<br>SR75<br>SR88<br>SR100<br>SR115<br>SR125<br>SR145<br>SR160 | ANSI 150<br>RF | 15<br>20<br>25<br>32<br>40<br>50<br>65<br>80<br>100 | 20 BAR<br>W.O.G.<br> <br>Vacuum<br> <br>10 BAR<br>STEAM | -20°C<br> <br>180°C | 6-8 BAR<br> <br>6-8 BAR<br>Air Pressure | Body: 316<br>Stainless Steel<br><br>Seats:<br>Filled PTFE = RT<br><br>3 Way<br>3L = L Port<br>3T = T Port | ISO Pad Mounting<br><br>Full Flow<br><br>Standard with<br>aluminium<br>actuator,<br>Optional Stainless<br>Steel Actuator |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|----------------|-----------------------------------------------------|---------------------------------------------------------|---------------------|-----------------------------------------|-----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|

3L = L Port 3T = T Port • Optional ANSI 300 • WCB (Cast Steel) Optional

**AIR / FLUID / STEAM / PETROCHEMICAL**

**Electric On/Off**



|                                                                                                                                                                                                       |                                                                      |                |                                                     |                                                         |                     |                                                                          |                                                                                                           |                                                                                                                                            |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|----------------|-----------------------------------------------------|---------------------------------------------------------|---------------------|--------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| BLS3L4FA - E* - RT<br>BLS3L5FA - E* - RT<br>BLS3L6FA - E* - RT<br>BLS3L7FA - E* - RT<br>BLS3L8FA - E* - RT<br>BLS3L9FA - E* - RT<br>BLS3L10FA - E* - RT<br>BLS3L11FA - E* - RT<br>BLS3L12FA - E* - RT | OM-1<br>OM-1<br>OM-1<br>OM-A<br>OM-2<br>OM-2<br>OM-3<br>OM-4<br>OM-4 | ANSI 150<br>RF | 15<br>20<br>25<br>32<br>40<br>50<br>65<br>80<br>100 | 20 BAR<br>W.O.G.<br> <br>Vacuum<br> <br>10 BAR<br>STEAM | -20°C<br> <br>180°C | E1=240VAC<br>E2=110VAC<br>E5=24VAC<br>E7=12VDC<br>E8=24VDC<br>E11=415VAC | Body: 316<br>Stainless Steel<br><br>Seats:<br>Filled PTFE = RT<br><br>3 Way<br>3L = L Port<br>3T = T Port | Electric Actuator<br><br>See Series 'OM'<br>for actuator<br>details P26<br><br>Also Available as<br>Spring Close P26<br><br>Optional 4 Way |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|----------------|-----------------------------------------------------|---------------------------------------------------------|---------------------|--------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|

3L = L Port 3T = T Port • Optional ANSI 300 • WCB (Cast Steel) Optional

**AIR / FLUID / STEAM / PETROCHEMICAL**

**Lever. Lockable**



|                                                                                                                                                                                              |                     |                |                                                     |                                                         |                     |                                     |                                                                                                           |                                                        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|----------------|-----------------------------------------------------|---------------------------------------------------------|---------------------|-------------------------------------|-----------------------------------------------------------------------------------------------------------|--------------------------------------------------------|
| BLS3L4FA - L - RT<br>BLS3L5FA - L - RT<br>BLS3L6FA - L - RT<br>BLS3L7FA - L - RT<br>BLS3L8FA - L - RT<br>BLS3L9FA - L - RT<br>BLS3L10FA - L - RT<br>BLS3L11FA - L - RT<br>BLS3L12FA - L - RT | LEVER<br> <br>LEVER | ANSI 150<br>RF | 15<br>20<br>25<br>32<br>40<br>50<br>65<br>80<br>100 | 20 BAR<br>W.O.G.<br> <br>Vacuum<br> <br>10 BAR<br>STEAM | -20°C<br> <br>180°C | 9mm<br>11mm<br>14mm<br>17mm<br>22mm | Body: 316<br>Stainless Steel<br><br>Seats:<br>Filled PTFE = RT<br><br>3 Way<br>3L = L Port<br>3T = T Port | ISO Pad Mounting<br><br>Lockable<br><br>Optional 4 Way |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|----------------|-----------------------------------------------------|---------------------------------------------------------|---------------------|-------------------------------------|-----------------------------------------------------------------------------------------------------------|--------------------------------------------------------|

3L = L Port 3T = T Port • Optional ANSI 300 • WCB (Cast Steel) Optional

☐ Shaft

**AIR / FLUID / STEAM / PETROCHEMICAL**

**Gear Box • L/T Port**

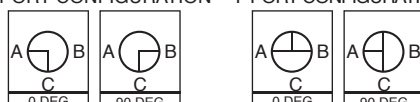


|                                                                                                          |                                 |                |                             |                                               |                     |  |                                                                                                           |                                                                |
|----------------------------------------------------------------------------------------------------------|---------------------------------|----------------|-----------------------------|-----------------------------------------------|---------------------|--|-----------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| BLS3L8FA - G - RT<br>BLS3L9FA - G - RT<br>BLS3L10FA - G - RT<br>BLS3L11FA - G - RT<br>BLS3L12FA - G - RT | GB1<br>GB2<br>GB2<br>GB2<br>GB3 | ANSI 150<br>RF | 40<br>50<br>65<br>80<br>100 | 20 BAR<br>W.O.G.<br>VACUUM<br>10 BAR<br>STEAM | -20°C<br> <br>180°C |  | Body: 316<br>Stainless Steel<br><br>Seats:<br>Filled PTFE = RT<br><br>3 Way<br>3L = L Port<br>3T = T Port | ISO Pad Mounting<br><br>Visual Indicator<br><br>Optional 4 Way |
|----------------------------------------------------------------------------------------------------------|---------------------------------|----------------|-----------------------------|-----------------------------------------------|---------------------|--|-----------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|

3L = L Port 3T = T Port • Optional ANSI 300 • WCB (Cast Steel) Optional

**REFER TO PAGE 9 & 10 FOR SUITABLE SOLENOID CONTROL VALVE**

'L' PORT CONFIGURATION 'T' PORT CONFIGURATION



– For further technical information contact Process Systems or your distributor.

– (std. = Standard Product).

\* VOLTAGE CODE: 1 = 240VAC, 2 = 110VAC, 5 = 24VAC, 7 = 12VDC, 8 = 24VDC, 11 = 415VAC

• ELASTOMER CODE: V = Viton, S = Silicone, T = PTFE, E = EPDM, N = NBR Nitrile,  
NC = Normally closed, NO = Normally open



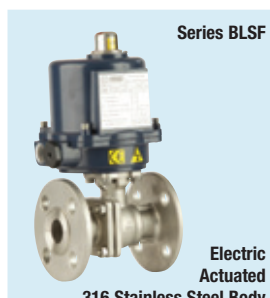
| ANSI-150<br>Optional ANSI-300 | Actuator | Flanged<br>ANSI 150 | Orifice<br>Ømm | Media<br>Pressure | Media<br>Temperature | Actuator<br>Air<br>Pressure | Material<br>of<br>Construction | Features |
|-------------------------------|----------|---------------------|----------------|-------------------|----------------------|-----------------------------|--------------------------------|----------|
|-------------------------------|----------|---------------------|----------------|-------------------|----------------------|-----------------------------|--------------------------------|----------|

**AIR / FLUID / STEAM / PETROCHEMICAL Double Acting Pneumatic • ANSI / API 607 6th Edition**

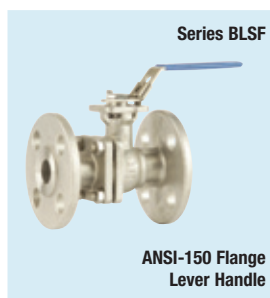

|                                        |       |                |     |                  |       |         |                                                                                                                                                       |                                                                                                                                                                                                        |  |  |
|----------------------------------------|-------|----------------|-----|------------------|-------|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| BLSF4FA - DA - RT                      | DA50  | ANSI 150<br>RF | 15  | 20 BAR<br>W.O.G. | -20°C | 6-8 BAR | Body: 2 piece<br>316 Stainless<br>Steel<br>ANSI 150 RF<br><br>Seats: Carbon<br>Filled PTFE<br><br>Optional:<br>Limit Switch.<br>De-Clutch<br>Gear Box | Direct Mount.<br>High Pad<br>Self Adjusting<br>Stem Packing<br><br>Actuator-<br>std. aluminium<br>Optional<br>Stainless Steel<br><br>API 607<br>6th Edition<br># 218781 15~100mm<br># 229467 150~300mm |  |  |
| BLSF5FA - DA - RT                      | DA50  |                | 20  | Vacuum           | 180°C | 6-8 BAR |                                                                                                                                                       |                                                                                                                                                                                                        |  |  |
| BLSF6FA - DA - RT                      | DA50  |                | 25  |                  |       |         |                                                                                                                                                       |                                                                                                                                                                                                        |  |  |
| BLSF7FA - DA - RT                      | DA63  |                | 32  |                  |       |         |                                                                                                                                                       |                                                                                                                                                                                                        |  |  |
| BLSF8FA - DA - RT                      | DA63  |                | 40  |                  |       |         |                                                                                                                                                       |                                                                                                                                                                                                        |  |  |
| BLSF9FA - DA - RT                      | DA75  |                | 50  |                  |       |         |                                                                                                                                                       |                                                                                                                                                                                                        |  |  |
| BLSF10FA - DA - RT                     | DA88  |                | 63  |                  |       |         |                                                                                                                                                       |                                                                                                                                                                                                        |  |  |
| BLSF11FA - DA - RT                     | DA100 |                | 80  |                  |       |         |                                                                                                                                                       |                                                                                                                                                                                                        |  |  |
| BLSF12FA - DA - RT                     | DA115 |                | 100 |                  |       |         |                                                                                                                                                       |                                                                                                                                                                                                        |  |  |
| BLS13FA - DA - RT                      | DA145 |                | 125 |                  |       |         |                                                                                                                                                       |                                                                                                                                                                                                        |  |  |
| BLSF14FA - DA - RT                     | DA160 |                | 150 |                  |       |         |                                                                                                                                                       |                                                                                                                                                                                                        |  |  |
| BLSF15FA - DA - RT                     | DA180 |                | 200 |                  |       |         |                                                                                                                                                       |                                                                                                                                                                                                        |  |  |
| BLSF16FA - DA - RT                     | DA200 |                | 250 |                  |       |         |                                                                                                                                                       |                                                                                                                                                                                                        |  |  |
| BLSF17FA - DA - RT                     | DA240 |                | 300 |                  |       |         |                                                                                                                                                       |                                                                                                                                                                                                        |  |  |
| Optional ANSI 300 Code contact factory |       |                |     |                  |       |         |                                                                                                                                                       |                                                                                                                                                                                                        |  |  |

**AIR / FLUID / STEAM / PETROCHEMICAL Spring Return Pneumatic • ANSI / API 607 6th Edition**


|                                                                                            |       |                |     |                  |       |         |                                                                                                                                                       |                                                                                                                                                                                                        |  |  |
|--------------------------------------------------------------------------------------------|-------|----------------|-----|------------------|-------|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| BLSF54FA - SR - RT                                                                         | SR50  | ANSI 150<br>RF | 15  | 20 BAR<br>W.O.G. | -20°C | 6-8 BAR | Body: 2 piece<br>316 Stainless<br>Steel<br>ANSI 150 RF<br><br>Seats: Carbon<br>Filled PTFE<br><br>Optional:<br>Limit Switch.<br>De-Clutch<br>Gear Box | Direct Mount.<br>High Pad<br>Self Adjusting<br>Stem Packing<br><br>Actuator-<br>std. aluminium<br>Optional<br>Stainless Steel<br><br>API 607<br>6th Edition<br># 218781 15~100mm<br># 229467 150~300mm |  |  |
| BLSF55FA - SR - RT                                                                         | SR63  |                | 20  | Vacuum           | 180°C | 6-8 BAR |                                                                                                                                                       |                                                                                                                                                                                                        |  |  |
| BLSF56FA - SR - RT                                                                         | SR75  |                | 25  |                  |       |         |                                                                                                                                                       |                                                                                                                                                                                                        |  |  |
| BLSF57FA - SR - RT                                                                         | SR75  |                | 32  |                  |       |         |                                                                                                                                                       |                                                                                                                                                                                                        |  |  |
| BLSF58FA - SR - RT                                                                         | SR88  |                | 40  |                  |       |         |                                                                                                                                                       |                                                                                                                                                                                                        |  |  |
| BLSF59FA - SR - RT                                                                         | SR100 |                | 50  |                  |       |         |                                                                                                                                                       |                                                                                                                                                                                                        |  |  |
| BLSF510FA - SR - RT                                                                        | SR115 |                | 63  |                  |       |         |                                                                                                                                                       |                                                                                                                                                                                                        |  |  |
| BLSF511FA - SR - RT                                                                        | SR125 |                | 80  |                  |       |         |                                                                                                                                                       |                                                                                                                                                                                                        |  |  |
| BLSF512FA - SR - RT                                                                        | SR145 |                | 100 |                  |       |         |                                                                                                                                                       |                                                                                                                                                                                                        |  |  |
| BLSF513FA - SR - RT                                                                        | SR180 |                | 125 |                  |       |         |                                                                                                                                                       |                                                                                                                                                                                                        |  |  |
| BLSF514FA - SR - RT                                                                        | SR200 |                | 150 |                  |       |         |                                                                                                                                                       |                                                                                                                                                                                                        |  |  |
| BLSF515FA - SR - RT                                                                        | SR240 |                | 200 |                  |       |         |                                                                                                                                                       |                                                                                                                                                                                                        |  |  |
| BLSF516FA - SR - RT                                                                        | SR270 |                | 250 |                  |       |         |                                                                                                                                                       |                                                                                                                                                                                                        |  |  |
| For normally open function change 5th digit to 6 – Optional ANSI 300. Code contact factory |       |                |     |                  |       |         |                                                                                                                                                       |                                                                                                                                                                                                        |  |  |

**AIR / FLUID / STEAM / PETROCHEMICAL Electric On/Off • ANSI / API 607 6th Edition**


|                                        |       |                |     |                  |       |                                                                          |                                                                                            |                                                                                                                                                                                                                                     |  |  |
|----------------------------------------|-------|----------------|-----|------------------|-------|--------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| BLSF4FA - E* - RT                      | OM-1  | ANSI 150<br>RF | 15  | 20 BAR<br>W.O.G. | -20°C | E1=240VAC<br>E2=110VAC<br>E5=24VAC<br>E7=12VDC<br>E8=24VDC<br>E11=415VAC | Body: 2 piece<br>316 Stainless<br>Steel<br>ANSI 150 RF<br><br>Seats: Carbon<br>Filled PTFE | Direct Mount.<br>High Pad<br><br>Self Adjusting<br>Stem Packing<br><br>see Series 'OM' for<br>Actuator details P26<br><br>Also available as<br>Spring Close with Exd<br>IECE P26<br><br>API 607<br>6th Edition<br># 218781 15~100mm |  |  |
| BLSF5FA - E* - RT                      | OM-1  |                | 20  | VACUUM           | 180°C |                                                                          |                                                                                            |                                                                                                                                                                                                                                     |  |  |
| BLSF6FA - E* - RT                      | OM-1  |                | 25  |                  |       |                                                                          |                                                                                            |                                                                                                                                                                                                                                     |  |  |
| BLSF7FA - E* - RT                      | OM-1  |                | 32  |                  |       |                                                                          |                                                                                            |                                                                                                                                                                                                                                     |  |  |
| BLSF8FA - E* - RT                      | OM-A  |                | 40  |                  |       |                                                                          |                                                                                            |                                                                                                                                                                                                                                     |  |  |
| BLSF9FA - E* - RT                      | OM-2  |                | 50  |                  |       |                                                                          |                                                                                            |                                                                                                                                                                                                                                     |  |  |
| BLSF10FA - E* - RT                     | OM-2  |                | 63  |                  |       |                                                                          |                                                                                            |                                                                                                                                                                                                                                     |  |  |
| BLSF11FA - E* - RT                     | OM-3  |                | 80  |                  |       |                                                                          |                                                                                            |                                                                                                                                                                                                                                     |  |  |
| BLSF12FA - E* - RT                     | OM-4  |                | 100 |                  |       |                                                                          |                                                                                            |                                                                                                                                                                                                                                     |  |  |
| BLS13FA - E* - RT                      | OM-4  |                | 125 |                  |       |                                                                          |                                                                                            |                                                                                                                                                                                                                                     |  |  |
| BLSF14FA - E* - RT                     | OM-5  |                | 150 |                  |       |                                                                          |                                                                                            |                                                                                                                                                                                                                                     |  |  |
| BLSF15FA - E* - RT                     | OM-6  |                | 200 |                  |       |                                                                          |                                                                                            |                                                                                                                                                                                                                                     |  |  |
| BLSF16FA - E* - RT                     | OM-8  |                | 250 |                  |       |                                                                          |                                                                                            |                                                                                                                                                                                                                                     |  |  |
| BLSF17FA - E* - RT                     | OM-10 |                | 300 |                  |       |                                                                          |                                                                                            |                                                                                                                                                                                                                                     |  |  |
| Optional ANSI 300 Code contact factory |       |                |     |                  |       |                                                                          |                                                                                            |                                                                                                                                                                                                                                     |  |  |

**AIR / FLUID / STEAM / PETROCHEMICAL Lever. Lockable • ANSI / API 607 6th Edition**


|                                                                                       |       |                |     |                  |       |                                |                                                                                            |                                                                                                                                                                |
|---------------------------------------------------------------------------------------|-------|----------------|-----|------------------|-------|--------------------------------|--------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BLSF4FA - L - RT                                                                      | LEVER | ANSI 150<br>RF | 15  | 20 BAR<br>W.O.G. | -20°C | 9mm                            | Body: 2 piece<br>316 Stainless<br>Steel<br>ANSI 150 RF<br><br>Seats: Carbon<br>Filled PTFE | Direct Mount.<br>High Pad<br><br>Self Adjusting<br>Stem Packing<br><br>Lockable Lever<br><br>API 607<br>6th Edition<br># 218781 15~100mm<br># 229467 150~300mm |
| BLSF5FA - L - RT                                                                      | LEVER |                | 20  | Vacuum           | 180°C | 11mm                           |                                                                                            |                                                                                                                                                                |
| BLSF6FA - L - RT                                                                      |       |                | 25  |                  |       | 14mm                           |                                                                                            |                                                                                                                                                                |
| BLSF7FA - L - RT                                                                      |       |                | 32  |                  |       | 17mm                           |                                                                                            |                                                                                                                                                                |
| BLSF8FA - L - RT                                                                      |       |                | 40  |                  |       | 19mm                           |                                                                                            |                                                                                                                                                                |
| BLSF9FA - L - RT                                                                      |       |                | 50  |                  |       | 22mm                           |                                                                                            |                                                                                                                                                                |
| BLSF10FA - L - RT                                                                     |       |                | 65  |                  |       | 27mm                           |                                                                                            |                                                                                                                                                                |
| BLSF11FA - L - RT                                                                     |       |                | 80  |                  |       | 36mm                           |                                                                                            |                                                                                                                                                                |
| BLSF12FA - L - RT                                                                     |       |                | 100 |                  |       | <input type="checkbox"/> Shaft |                                                                                            |                                                                                                                                                                |
| BLS13FA - L - RT                                                                      |       |                | 125 |                  |       |                                |                                                                                            |                                                                                                                                                                |
| BLSF14FA - L - RT                                                                     |       |                | 150 |                  |       |                                |                                                                                            |                                                                                                                                                                |
| BLSF15FA - L - RT                                                                     |       |                | 200 |                  |       |                                |                                                                                            |                                                                                                                                                                |
| BLSF16FA - L - RT                                                                     |       |                | 250 |                  |       |                                |                                                                                            |                                                                                                                                                                |
|                                                                                       |       |                |     |                  |       |                                |                                                                                            |                                                                                                                                                                |
| Optional ANSI 300 Code contact factory • Spring Close Lever Optional on Smaller Sizes |       |                |     |                  |       |                                |                                                                                            |                                                                                                                                                                |

**AIR / FLUID / STEAM / PETROCHEMICAL Gear Box • ANSI / API 607 6th Edition**


|                                        |     |                |                 |                  |       |  |                                                                                            |                                                                                                                                          |  |  |  |
|----------------------------------------|-----|----------------|-----------------|------------------|-------|--|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|
| BLSF8FA - G - RT                       | GB1 | ANSI 150<br>RF | 40              | 20 BAR<br>W.O.G. | -20°C |  | Body: 2 piece<br>316 Stainless<br>Steel<br>ANSI 150 RF<br><br>Seats: Carbon<br>Filled PTFE | Direct Mount.<br>High Pad<br><br>Self Adjusting<br>Stem Packing<br><br>API 607<br>6th Edition<br># 218781 15~100mm<br># 229467 150~300mm |  |  |  |
| BLSF9FA - G - RT                       | GB1 |                | 50              | Vacuum           | 180°C |  |                                                                                            |                                                                                                                                          |  |  |  |
| BLSF10FA - G - RT                      | GB2 |                | 65              |                  |       |  |                                                                                            |                                                                                                                                          |  |  |  |
| BLSF11FA - G - RT                      | GB2 |                | 80              |                  |       |  |                                                                                            |                                                                                                                                          |  |  |  |
| BLSF12FA - G - RT                      | GB2 |                | 100             |                  |       |  |                                                                                            |                                                                                                                                          |  |  |  |
| BLSF13FA - G - RT                      | GB3 |                | 125             |                  |       |  |                                                                                            |                                                                                                                                          |  |  |  |
| BLSF14FA - G - RT                      | GB4 |                | 150             |                  |       |  |                                                                                            |                                                                                                                                          |  |  |  |
| BLSF15FA - G - RT                      | GB4 |                | 200             |                  |       |  |                                                                                            |                                                                                                                                          |  |  |  |
| BLSF16FA - G - RT                      | GB5 |                | 250             |                  |       |  |                                                                                            |                                                                                                                                          |  |  |  |
| BLSF17FA - G - RT                      | GB6 | 300            | 10 BAR<br>Steam |                  |       |  |                                                                                            |                                                                                                                                          |  |  |  |
| Optional ANSI 300 Code contact factory |     |                |                 |                  |       |  |                                                                                            |                                                                                                                                          |  |  |  |

• Optional Table D/E • DIN • JIS • Non Fire Safe ANSI 600, 900. NOTE: 125mm to API607 Design but not approved

- For further technical information contact Process Systems or your distributor.
- (std. = Standard Product).
- \* VOLTAGE CODE: 1 = 240VAC, 2 = 110VAC, 5 = 24VAC, 7 = 12VDC, 8 = 24VDC, 11 = 415AC
- ELASTOMER CODE: V = Viton, S = Silicone, T = PTFE, E = EPDM, N = NBR Nitrile, NC = Normally closed, NO = Normally open




**AIR / FLUID / STEAM / PETROCHEMICAL**
**Double Acting Pneumatic • ANSI / API 607 6th Edition**


| ANSI-150<br>Optional ANSI-300                                                                                                                                                                                                                                                                              | Actuator                                                                                                            | ANSI 150<br>RF | Orifice<br>Ømm                                                                         | Media<br>Pressure                                                         | Media<br>Temperature                                       | Actuator Air<br>Pressure                               | Material of<br>Construction                                                                                                                 | Features                                                                                                                                                                                               |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|----------------|----------------------------------------------------------------------------------------|---------------------------------------------------------------------------|------------------------------------------------------------|--------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BLCF4FA - DA - RT<br>BLCF5FA - DA - RT<br>BLCF6FA - DA - RT<br>BLCF7FA - DA - RT<br>BLCF8FA - DA - RT<br>BLCF9FA - DA - RT<br>BLCF10FA - DA - RT<br>BLCF11FA - DA - RT<br>BLCF12FA - DA - RT<br>BLCF13FA - DA - RT<br>BLCF14FA - DA - RT<br>BLCF15FA - DA - RT<br>BLCF16FA - DA - RT<br>BLCF17FA - DA - RT | DA50<br>DA50<br>DA50<br>DA63<br>DA63<br>DA75<br>DA88<br>DA100<br>DA115<br>DA145<br>DA160<br>DA180<br>DA200<br>DA240 | ANSI 150<br>RF | 15<br>20<br>25<br>32<br>40<br>50<br>63<br>80<br>100<br>125<br>150<br>200<br>250<br>300 | 20 BAR<br>W.O.G.<br><br><br><br><br>Vacuum<br><br><br><br>10 BAR<br>Steam | -20°C<br><br><br><br><br><br><br><br><br><br><br><br>180°C | 6-8 BAR<br><br><br><br><br><br><br><br><br><br>6-8 BAR | Body: 2 piece<br>Carbon Steel<br>ANSI 150 RF<br><br>Seats: Carbon<br>Filled PTFE<br><br>Optional:<br>Limit Switch,<br>De-Clutch<br>Gear Box | Direct Mount.<br>High Pad<br>Self Adjusting<br>Stem Packing<br><br>Actuator-<br>std. aluminium<br>Optional<br>Stainless Steel<br><br>API 607<br>6th Edition<br># 218781 15~100mm<br># 229467 150~300mm |

Optional ANSI 300 Code contact factory

**AIR / FLUID / STEAM / PETROCHEMICAL**
**Spring Return Pneumatic • ANSI / API 607 6th Edition**


|                                                                                                                                                                                                                                                                                                   |                                                                                                              |                |                                                                                 |                                                                           |                                                            |                                                        |                                                                                                                                             |                                                                                                                                                                                                        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|----------------|---------------------------------------------------------------------------------|---------------------------------------------------------------------------|------------------------------------------------------------|--------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BLCF54FA - SR - RT<br>BLCF55FA - SR - RT<br>BLCF56FA - SR - RT<br>BLCF57FA - SR - RT<br>BLCF58FA - SR - RT<br>BLCF59FA - SR - RT<br>BLCF510FA - SR - RT<br>BLCF511FA - SR - RT<br>BLCF512FA - SR - RT<br>BLCF513FA - SR - RT<br>BLCF514FA - SR - RT<br>BLCF515FA - SR - RT<br>BLCF516FA - SR - RT | SR50<br>SR63<br>SR75<br>SR75<br>SR88<br>SR100<br>SR115<br>SR125<br>SR145<br>SR180<br>SR200<br>SR240<br>SR270 | ANSI 150<br>RF | 15<br>20<br>25<br>32<br>40<br>50<br>63<br>80<br>100<br>125<br>150<br>200<br>250 | 20 BAR<br>W.O.G.<br><br><br><br><br>Vacuum<br><br><br><br>10 BAR<br>Steam | -20°C<br><br><br><br><br><br><br><br><br><br><br><br>180°C | 6-8 BAR<br><br><br><br><br><br><br><br><br><br>6-8 BAR | Body: 2 piece<br>Carbon Steel<br>ANSI 150 RF<br><br>Seats: Carbon<br>Filled PTFE<br><br>Optional:<br>Limit Switch,<br>De-Clutch<br>Gear Box | Direct Mount.<br>High Pad<br>Self Adjusting<br>Stem Packing<br><br>Actuator-<br>std. aluminium<br>Optional<br>Stainless Steel<br><br>API 607<br>6th Edition<br># 218781 15~100mm<br># 229467 150~300mm |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|----------------|---------------------------------------------------------------------------------|---------------------------------------------------------------------------|------------------------------------------------------------|--------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

For normally open function change 5th digit to 6 – Optional ANSI 300 Code contact factory

**AIR / FLUID / STEAM / PETROCHEMICAL**
**Electric On/Off • ANSI / API 607 6th Edition**


|                                                                                                                                                                                                                                                                                                            |                                                                                                               |                |                                                                                        |                                                                           |                                                            |                                                                          |                                                                                  |                                                                                                                                                                                                                                      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|----------------|----------------------------------------------------------------------------------------|---------------------------------------------------------------------------|------------------------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BLCF4FA - E* - RT<br>BLCF5FA - E* - RT<br>BLCF6FA - E* - RT<br>BLCF7FA - E* - RT<br>BLCF8FA - E* - RT<br>BLCF9FA - E* - RT<br>BLCF10FA - E* - RT<br>BLCF11FA - E* - RT<br>BLCF12FA - E* - RT<br>BLCF13FA - E* - RT<br>BLCF14FA - E* - RT<br>BLCF15FA - E* - RT<br>BLCF16FA - E* - RT<br>BLCF17FA - E* - RT | OM-1<br>OM-1<br>OM-1<br>OM-1<br>OM-A<br>OM-2<br>OM-2<br>OM-3<br>OM-4<br>OM-4<br>OM-5<br>OM-6<br>OM-8<br>OM-10 | ANSI 150<br>RF | 15<br>20<br>25<br>32<br>40<br>50<br>63<br>80<br>100<br>125<br>150<br>200<br>250<br>300 | 20 BAR<br>W.O.G.<br><br><br><br><br>VACUUM<br><br><br><br>10 BAR<br>STEAM | -20°C<br><br><br><br><br><br><br><br><br><br><br><br>180°C | E1=240VAC<br>E2=110VAC<br>E5=24VAC<br>E7=12VDC<br>E8=24VDC<br>E11=415VAC | Body: 2 piece<br>Carbon Steel<br>ANSI 150 RF<br><br>Seats: Carbon<br>Filled PTFE | Direct Mount.<br>High Pad<br>Self Adjusting<br>Stem Packing<br><br>see Series 'OM' for<br>Actuator details P26<br><br>Also available as<br>Spring Close P26<br><br>API 607<br>6th Edition<br># 218781 15~100mm<br># 229467 150~300mm |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|----------------|----------------------------------------------------------------------------------------|---------------------------------------------------------------------------|------------------------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Optional ANSI 300 Code contact factory

**AIR / FLUID / STEAM / PETROCHEMICAL**
**Lever. Lockable • ANSI / API 607 6th Edition**


|                                                                                                                                                                                                                                                                         |                                                            |                |                                                                                 |                                                                           |                                                            |                                                             |                                                                                  |                                                                                                                                                        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|----------------|---------------------------------------------------------------------------------|---------------------------------------------------------------------------|------------------------------------------------------------|-------------------------------------------------------------|----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| BLCF4FA - L - RT<br>BLCF5FA - L - RT<br>BLCF6FA - L - RT<br>BLCF7FA - L - RT<br>BLCF8FA - L - RT<br>BLCF9FA - L - RT<br>BLCF10FA - L - RT<br>BLCF11FA - L - RT<br>BLCF12FA - L - RT<br>BLCF13FA - L - RT<br>BLCF14FA - L - RT<br>BLCF15FA - L - RT<br>BLCF16FA - L - RT | LEVER<br><br><br><br><br><br><br><br><br><br><br><br>LEVER | ANSI 150<br>RF | 15<br>20<br>25<br>32<br>40<br>50<br>65<br>80<br>100<br>125<br>150<br>200<br>250 | 20 BAR<br>W.O.G.<br><br><br><br><br>Vacuum<br><br><br><br>10 BAR<br>Steam | -20°C<br><br><br><br><br><br><br><br><br><br><br><br>180°C | 9mm<br>11mm<br>14mm<br>17mm<br>19mm<br>22mm<br>27mm<br>36mm | Body: 2 piece<br>Carbon Steel<br>ANSI 150 RF<br><br>Seats: Carbon<br>Filled PTFE | Direct Mount.<br>High Pad<br>Self Adjusting<br>Stem Packing<br>Lockable Lever<br><br>API 607<br>6th Edition<br># 218781 15~100mm<br># 229467 150~300mm |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|----------------|---------------------------------------------------------------------------------|---------------------------------------------------------------------------|------------------------------------------------------------|-------------------------------------------------------------|----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|

Optional ANSI 300 Code contact factory • Spring Close Lever Optional on Smaller Sizes

☐ Shaft

**AIR / FLUID / STEAM / PETROCHEMICAL**
**Gear Box • ANSI / API 607 6th Edition**


|                                                                                                                                                                                                              |                                                                    |                |                                                                |                                                                           |                                                    |  |                                                                                  |                                                                                                                                      |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|----------------|----------------------------------------------------------------|---------------------------------------------------------------------------|----------------------------------------------------|--|----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| BLCF8FA - G - RT<br>BLCF9FA - G - RT<br>BLCF10FA - G - RT<br>BLCF11FA - G - RT<br>BLCF12FA - G - RT<br>BLCF13FA - G - RT<br>BLCF14FA - G - RT<br>BLCF15FA - G - RT<br>BLCF16FA - G - RT<br>BLCF17FA - G - RT | GB1<br>GB1<br>GB2<br>GB2<br>GB2<br>GB3<br>GB4<br>GB4<br>GB5<br>GB6 | ANSI 150<br>RF | 40<br>50<br>65<br>80<br>100<br>125<br>150<br>200<br>250<br>300 | 20 BAR<br>W.O.G.<br><br><br><br><br>Vacuum<br><br><br><br>10 BAR<br>Steam | -20°C<br><br><br><br><br><br><br><br><br><br>180°C |  | Body: 2 piece<br>Carbon Steel<br>ANSI 150 RF<br><br>Seats: Carbon<br>Filled PTFE | Direct Mount.<br>High Pad<br>Self Adjusting<br>Stem Packing<br><br>API 607<br>6th Edition<br># 218781 15~100mm<br># 229467 150~300mm |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|----------------|----------------------------------------------------------------|---------------------------------------------------------------------------|----------------------------------------------------|--|----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|

Optional ANSI 300 Code contact factory

• Optional Table D/E • DIN • JIS • Non Fire Safe ANSI 600, 900. NOTE: 125mm to API607 Design but not approved



### SS316 3pc V Port

| Model                                                                                | Actuator |             | Port Size<br>BSP | Modulating<br>Controller<br>4-20mA<br>1-10VDC | Media<br>Pressure       | Media<br>Temperature | Actuator<br>Air<br>Pressure | Material<br>of<br>Construction            | Features             |
|--------------------------------------------------------------------------------------|----------|-------------|------------------|-----------------------------------------------|-------------------------|----------------------|-----------------------------|-------------------------------------------|----------------------|
|                                                                                      | Lever    | Gear<br>Box |                  |                                               |                         |                      |                             |                                           |                      |
| PETROCHEMICAL • Lever. Lockable. 3 Piece • V Port 60° Standard • V Port 30° Optional |          |             |                  |                                               |                         |                      |                             |                                           |                      |
| BLV4B - L - T60                                                                      | L        |             | 1/2              |                                               | 70 BAR                  | -20°C                |                             | Body: 3 piece 316                         | Direct Mount.        |
| BLV5B - L - T60                                                                      | L        |             | 3/4              |                                               | W.O.G.                  |                      |                             | Stainless Steel.                          | High Pad             |
| BLV6B - L - T60                                                                      | L        |             | 1                |                                               |                         |                      |                             | BSP Threaded.                             | Self Adjusting       |
| BLV8B - L - T60                                                                      | L        | GB1         | 1-1/2            |                                               | Vacuum                  |                      |                             | Filled                                    | Stem Packing         |
| BLV9B - L - T60                                                                      | L        | GB1         | 2                |                                               |                         |                      |                             | Seats: 25%                                | Lockable Lever       |
| BLV11B - L - T60                                                                     | L        | GB2         | 3                |                                               | 10 BAR                  | 180°C                |                             | Carbon filled PTFE                        |                      |
| BLV12B - L - T60                                                                     | L        | GB2         | 4                |                                               | Steam using<br>R.T Seat |                      |                             | Optional: Butt weld<br>Socket weld<br>NPT | Optional:<br>Gearbox |
| Change 'L' to 'G' for Gear box                                                       |          |             |                  |                                               |                         |                      |                             |                                           |                      |

### AIR / FLUID / STEAM / PETROCHEMICAL

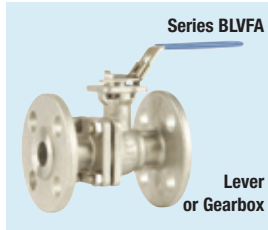
### • Lever. Lockable. 3 Piece • V Port 60° Standard • V Port 30° Optional



|                                                                                                                   |   |     |     |  |             |       |  |                   |                |
|-------------------------------------------------------------------------------------------------------------------|---|-----|-----|--|-------------|-------|--|-------------------|----------------|
| <b>AIR / FLUID / STEAM / PETROCHEMICAL • Lever. Lockable. 3 Piece • V Port 60° Standard • V Port 30° Optional</b> |   |     |     |  |             |       |  |                   |                |
| BLV4FA - L - T60                                                                                                  | L |     | 15  |  | 70 BAR      | -20°C |  | Body: 2 piece 316 | Direct Mount.  |
| BLV5FA - L - T60                                                                                                  | L |     | 20  |  | W.O.G.      |       |  | Stainless Steel.  | High Pad       |
| BLV6FA - L - T60                                                                                                  | L |     | 25  |  |             |       |  | Seats: 25%        | Self Adjusting |
| BLV8FA - L - T60                                                                                                  | L | GB1 | 40  |  | Vacuum      |       |  | Carbon filled     | Stem Packing   |
| BLV9FA - L - T60                                                                                                  | L | GB1 | 50  |  |             |       |  | PTFE              | Lockable Lever |
| BLV11FA - L - T60                                                                                                 | L | GB2 | 80  |  | 10 BAR      | 180°C |  | Flanged           | /Gearbox       |
| BLV12FA - L - T60                                                                                                 | L | GB2 | 100 |  | Steam using |       |  | ANSI 150 RF       |                |
| BLV14FA - L - T60                                                                                                 | L | GB4 | 150 |  | R.T. Seat   |       |  |                   |                |
| BLV15FA - L - T60                                                                                                 | L | GB4 | 200 |  |             |       |  |                   |                |
| Change 'L' to 'G' for Gear box                                                                                    |   |     |     |  |             |       |  |                   |                |

### AIR / FLUID / STEAM / PETROCHEMICAL

### • Lever. Lockable. 3 Piece • V Port 60° Standard • V Port 30° Optional



### • Optional modulating V Port Control (Elements to fit above valves)

| Valve Model                                   | Size | Actuator    | Control                                                       | Air | Features                                                            |
|-----------------------------------------------|------|-------------|---------------------------------------------------------------|-----|---------------------------------------------------------------------|
| <b>4-20ma Input / Output, 1-10VDC, 2-5VDC</b> |      |             |                                                               |     |                                                                     |
| BLV4B - EM* - T60                             | 15   | OM - 1M - * | Includes:<br>Input 4-20mA<br>1-5VDC, 2-10VDC<br>Output 4-20mA |     | Body Actuator: Die Cast Aluminium                                   |
| BLV5B - EM* - T60                             | 20   | OM - 1M - * |                                                               |     | Coating: FBE                                                        |
| BLV6B - EM* - T60                             | 25   | OM - 1M - * |                                                               |     | Protection: IP67                                                    |
| BLV8B - EM* - T60                             | 40   | OM - AM - * |                                                               |     | Visual Indicator                                                    |
| BLV9B - EM* - T60                             | 50   | OM - 2M - * |                                                               |     | Optional: SS316 Housing<br>Explosive Atmospheres<br>Manual Override |
| BLV11B - EM* - T60                            | 80   | OM - 3M - * |                                                               |     |                                                                     |
| BLV12B - EM* - T60                            | 100  | OM - 4M - * |                                                               |     |                                                                     |
| BLV14FA - EM* - T60                           | 150  | OM - 5M - * |                                                               |     |                                                                     |
| BLV15FA - EM* - T60                           | 200  | OM - 6M - * |                                                               |     |                                                                     |

### PNEUMATIC



|                                                           |     |       |                                                                                  |         |                                              |
|-----------------------------------------------------------|-----|-------|----------------------------------------------------------------------------------|---------|----------------------------------------------|
| <b>Double Acting - To be fitted with POS-A Controller</b> |     |       |                                                                                  |         |                                              |
| BLV4B - DA - T60                                          | 15  | DA63  | For Control:<br>To be fitted with POS-A<br>Pneumatic Positioners<br>listed below | 6-8 BAR | Body Actuator: Coated Aluminium<br>Extrusion |
| BLV5B - DA - T60                                          | 20  | DA63  |                                                                                  |         |                                              |
| BLV6B - DA - T60                                          | 25  | DA63  |                                                                                  |         |                                              |
| BLV8B - DA - T60                                          | 40  | DA75  |                                                                                  |         |                                              |
| BLV9B - DA - T60                                          | 50  | DA75  |                                                                                  |         |                                              |
| BLV11B - DA - T60                                         | 80  | DA100 |                                                                                  |         |                                              |
| BLV12B - DA - T60                                         | 100 | DA115 |                                                                                  |         |                                              |
| BLV14FA - DA - T60                                        | 150 | DA160 |                                                                                  |         |                                              |
| BLV15FA - DA - T60                                        | 200 | DA180 |                                                                                  | 6-8 BAR |                                              |

### PNEUMATIC



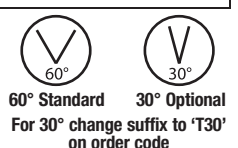
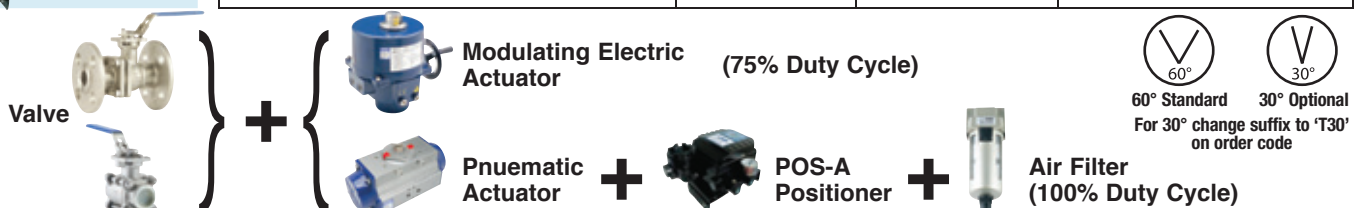
|                                                           |     |       |                                                                                  |         |                                              |
|-----------------------------------------------------------|-----|-------|----------------------------------------------------------------------------------|---------|----------------------------------------------|
| <b>Spring Return - To be fitted with POS-A Controller</b> |     |       |                                                                                  |         |                                              |
| BLV54B - SR - T60                                         | 15  | SR63  | For Control:<br>To be fitted with POS-A<br>Pneumatic Positioners<br>listed below | 6-8 BAR | Body Actuator: Coated Aluminium<br>Extrusion |
| BLV55B - SR - T60                                         | 20  | SR63  |                                                                                  |         |                                              |
| BLV56B - SR - T60                                         | 25  | SR75  |                                                                                  |         |                                              |
| BLV58B - SR - T60                                         | 40  | SR88  |                                                                                  |         |                                              |
| BLV59B - SR - T60                                         | 50  | SR100 |                                                                                  |         |                                              |
| BLV511B - SR - T60                                        | 80  | SR125 |                                                                                  |         |                                              |
| BLV512B - SR - T60                                        | 100 | SR145 |                                                                                  |         |                                              |
| BLV514FA - SR - T60                                       | 150 | SR200 |                                                                                  |         |                                              |
| BLV515FA - SR - T60                                       | 200 | SR240 |                                                                                  | 6-8 BAR |                                              |

### PNEUMATIC



|                                                                                          |  |                       |           |                                                                 |                                                                               |
|------------------------------------------------------------------------------------------|--|-----------------------|-----------|-----------------------------------------------------------------|-------------------------------------------------------------------------------|
| <b>Positioner 4-20ma Input / Output</b>                                                  |  |                       |           |                                                                 |                                                                               |
| POS-A<br>Suits all sizes of pneumatic actuators.<br>Both Double Acting and Spring Return |  | POS-A<br>Input 4-20mA | 1.5-7 BAR | Body: Die Cast<br>Aluminium<br>Coating: FBE<br>Protection: IP66 | Bracket: NAMUR<br>Sensitivity: 0.4%<br>Hysteresis: 1.5%<br>3LPMC: 1.5 Bar Air |
|                                                                                          |  | Output 4-20mA         | 1.5-7 BAR |                                                                 |                                                                               |

### PNEUMATIC



## High Pressure

### AIR / WATER



| Model                                                                  | Actuator | Port Size<br>BSP | Orifice<br>Ømm | Media<br>Pressure<br>@30°C | Media<br>Temperature | Actuator Air<br>Pressure | Material<br>of<br>Construction                           | Features                       |
|------------------------------------------------------------------------|----------|------------------|----------------|----------------------------|----------------------|--------------------------|----------------------------------------------------------|--------------------------------|
| Double Acting Pneumatic                                                |          |                  |                |                            |                      |                          |                                                          |                                |
| BLSHP2B - DA - D                                                       | DA50     | 1/4              | 8              | 3,000 PSI<br>200 BAR       | 40°C<br>@<br>200 BAR | 6-8 BAR                  | Body: 316<br>Stainless Steel<br>Ball:<br>Stainless Steel | Highflow<br>High pressure      |
| BLSHP3B - DA - D                                                       | DA50     | 3/8              | 10             |                            |                      | 6-8 BAR                  |                                                          |                                |
| BLSHP4B - DA - D                                                       | DA50     | 1/2              | 12             |                            |                      |                          |                                                          |                                |
| BLSHP5B - DA - D                                                       | DA63     | 3/4              | 17             |                            |                      |                          |                                                          |                                |
| BLSHP6B - DA - D                                                       | DA63     | 1                | 22             |                            |                      |                          |                                                          |                                |
| BLSHP8B - DA - D                                                       | DA88     | 1-1/2            | 35             |                            |                      |                          |                                                          |                                |
| BLSHP9B - DA - D                                                       | DA88     | 2                | 35             |                            |                      |                          |                                                          |                                |
| ALSO AVAILABLE - 1/4 & 3/8 VALVES TO 10,000 PSI AND 3-WAY VALVES TO 1" |          |                  |                |                            |                      |                          |                                                          | Seat: Delrin<br>Optional: PEEK |

### AIR / WATER



| Spring Return Pneumatic                                                |       |       |    |                      |                      |         |                                                                                                |                                                                                                       |  |
|------------------------------------------------------------------------|-------|-------|----|----------------------|----------------------|---------|------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|--|
| BLSHP52B - SR - D                                                      | SR63  | 1/4   | 8  | 3,000 PSI<br>200 BAR | 40°C<br>@<br>200 BAR | 6-8 BAR | Body: 316<br>Stainless Steel<br>Ball:<br>Stainless Steel<br><br>Seat: Delrin<br>Optional: PEEK | Highflow<br>High pressure<br><br>Actuator<br>std. aluminium<br>Optional plastic<br>or Stainless Steel |  |
| BLSHP53B - SR - D                                                      | SR63  | 3/8   | 10 |                      |                      |         |                                                                                                |                                                                                                       |  |
| BLSHP54B - SR - D                                                      | SR75  | 1/2   | 12 |                      |                      |         |                                                                                                |                                                                                                       |  |
| BLSHP55B - SR - D                                                      | SR75  | 3/4   | 17 |                      |                      |         |                                                                                                |                                                                                                       |  |
| BLSHP56B - SR - D                                                      | SR88  | 1     | 22 |                      |                      |         |                                                                                                |                                                                                                       |  |
| BLSHP58B - SR - D                                                      | SR100 | 1-1/2 | 35 |                      |                      |         |                                                                                                |                                                                                                       |  |
| BLSHP59B - SR - D                                                      | SR100 | 2     | 35 |                      |                      |         |                                                                                                |                                                                                                       |  |
| ALSO AVAILABLE - 1/4 & 3/8 VALVES TO 10,000 PSI AND 3-WAY VALVES TO 1" |       |       |    |                      |                      | 6-8 BAR |                                                                                                |                                                                                                       |  |

### AIR / WATER



| Electric On/Off                                                        |      |       |    |                      |                      |                                                            |                                                          |                                                                                     |  |
|------------------------------------------------------------------------|------|-------|----|----------------------|----------------------|------------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------------------------------------|--|
| BLSHP2B - E* - D                                                       | OM-1 | 1/4   | 8  | 3,000 PSI<br>200 BAR | 40°C<br>@<br>200 BAR | E1=240VAC<br>E2=110VAC<br>E5=24VAC<br>E7=12VDC<br>E8=24VDC | Body: 316<br>Stainless Steel<br>Ball:<br>Stainless Steel | Highflow<br>High pressure<br><br>see Series 'OM'<br>for Actuator<br>details Page 26 |  |
| BLSHP3B - E* - D                                                       | OM-1 | 3/8   | 10 |                      |                      |                                                            |                                                          |                                                                                     |  |
| BLSHP4B - E* - D                                                       | OM-1 | 1/2   | 12 |                      |                      |                                                            |                                                          |                                                                                     |  |
| BLSHP5B - E* - D                                                       | OM-1 | 3/4   | 17 |                      |                      |                                                            |                                                          |                                                                                     |  |
| BLSHP6B - E* - D                                                       | OM-1 | 1     | 22 |                      |                      |                                                            |                                                          |                                                                                     |  |
| BLSHP8B - E* - D                                                       | OM-A | 1-1/2 | 35 |                      |                      |                                                            |                                                          |                                                                                     |  |
| BLSHP9B - E* - D                                                       | OM-A | 2     | 35 |                      |                      |                                                            | Seat: Delrin<br>Optional: PEEK                           |                                                                                     |  |
| ALSO AVAILABLE - 1/4 & 3/8 VALVES TO 10,000 PSI AND 3-WAY VALVES TO 1" |      |       |    |                      |                      |                                                            |                                                          |                                                                                     |  |

### AIR / WATER



| Lever. Lockable                                           |       |       |    |                      |                      |  |                                                                                            |                                                 |
|-----------------------------------------------------------|-------|-------|----|----------------------|----------------------|--|--------------------------------------------------------------------------------------------|-------------------------------------------------|
| BLSHP2B - L - D                                           | LEVER | 1/4   | 8  | 3,000 PSI<br>200 BAR | 40°C<br>@<br>200 BAR |  | Body: 316<br>Stainless Steel<br>Ball:<br>Stainless Steel<br>Seat: Delrin<br>Optional: PEEK | Highflow<br>High pressure<br><br>Lockable Lever |
| BLSHP3B - L - D                                           |       | 3/8   | 10 |                      |                      |  |                                                                                            |                                                 |
| BLSHP4B - L - D                                           |       | 1/2   | 15 |                      |                      |  |                                                                                            |                                                 |
| BLSHP5B - L - D                                           |       | 3/4   | 20 |                      |                      |  |                                                                                            |                                                 |
| BLSHP6B - L - D                                           |       | 1     | 25 |                      |                      |  |                                                                                            |                                                 |
| BLSHP8B - L - D                                           | LEVER | 1-1/2 | 40 |                      |                      |  |                                                                                            |                                                 |
| BLSHP9B - L - D                                           |       | 2     | 50 |                      |                      |  |                                                                                            |                                                 |
| ALSO AVAILABLE - 3 WAY FULL BORE L/T • MANUAL OR ACTUATED |       |       |    |                      |                      |  |                                                                                            |                                                 |

## Electric Auto Return Ball Valves - Stainless Steel Body / PVC Body

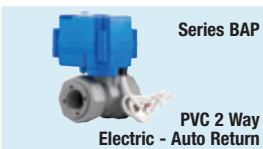
### BAS Auto Return IP67



| Model                                                                                                             | Actuator          | Port Size<br>BSP                       | Orifice<br>Ømm                   | Media<br>Pressure<br>@30°C | Media<br>Temperature | Open/Close<br>Time        | Material<br>of<br>Construction                                           | Features                                                                                                                                                                        |
|-------------------------------------------------------------------------------------------------------------------|-------------------|----------------------------------------|----------------------------------|----------------------------|----------------------|---------------------------|--------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2 Way Auto Return Ball Valve • 12~24v AC/DC                                                                       |                   |                                        |                                  |                            |                      |                           |                                                                          |                                                                                                                                                                                 |
| BASM54B - EL - T<br>BASM55B - EL - T<br>BASM56B - EL - T<br>BAS57B - EL - T<br>BAS58B - EL - T<br>BAS59B - EL - T | N.C.<br> <br>N.C. | 1/2<br>3/4<br>1<br>1-1/4<br>1-1/2<br>2 | 15<br>20<br>20<br>32<br>38<br>50 | 10 BAR<br>                 | 2°C<br>              | 5 Sec<br>⊥<br>13 Sec      | Ball: SS316<br>Body: SS304<br>Seals: FKM<br>Seats: PTFE<br>Actuator: PPO | Works like a Solenoid Valve - take the power off and it returns<br><br>Very low power consumption<br><br>5-13 Sec operation<br><br>Min 30-120 Sec power on to charge capacitor. |
| BASM64B - EL - T<br>BASM65B - EL - T<br>BASM66B - EL - T<br>BAS67B - EL - T<br>BAS68B - EL - T<br>BAS69B - EL - T | N.O.<br> <br>N.O. | 1/2<br>3/4<br>1<br>1-1/4<br>1-1/2<br>2 | 15<br>20<br>20<br>32<br>38<br>50 | 10 BAR                     | 90°C                 | 5 Sec<br>⊥<br>13 Sec<br>⊥ |                                                                          | 30% Duty Cycle                                                                                                                                                                  |
| M = Manual Override                                                                                               |                   |                                        |                                  |                            |                      |                           |                                                                          |                                                                                                                                                                                 |



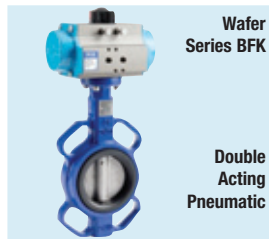
|                                        |                 |            |          |                  |              |                |                                                                          |                                                                                                   |
|----------------------------------------|-----------------|------------|----------|------------------|--------------|----------------|--------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| BASM3L4B - EL - T<br>BASM3L5B - EL - T | 3 Way<br>L Port | 1/2<br>3/4 | 12<br>15 | 10 BAR<br>10 BAR | 90°C<br>90°C | 5 Sec<br>5 Sec | Ball: SS316<br>Body: SS304<br>Seals: FKM<br>Seats: PTFE<br>Actuator: PPO | Works like a Solenoid Valve - take the power off and it returns<br><br>Very low power consumption |
| C/W Manual Override                    |                 |            |          |                  |              |                |                                                                          |                                                                                                   |



|                     |      |     |    |        |      |       |                                                       |                                                                                          |
|---------------------|------|-----|----|--------|------|-------|-------------------------------------------------------|------------------------------------------------------------------------------------------|
| BAPM54B - EL - T    | N.C. | 1/2 | 15 | 10 BAR | 90°C | 5 Sec | Ball: CPVC<br>Body: CPVC<br>Seals: FKM<br>Seats: PTFE | 5-13 Sec operation<br><br>Min 30 Sec power on to charge capacitor.<br><br>30% Duty Cycle |
| C/W Manual Override |      |     |    |        |      |       |                                                       |                                                                                          |

## 'Econo' Series BFK

### AIR / WATER



Wafer  
Series BFK

Double  
Acting  
Pneumatic

| Model                                                                                                                                                                | Actuator                                                                | Orifice/CV<br>ømm CV                                     | Media<br>Pressure                            | Media<br>Temperature                             | Actuator<br>Voltage/Bar<br>Pressure            | Material<br>of<br>Construction                                                                              | Features                                                                       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|----------------------------------------------------------|----------------------------------------------|--------------------------------------------------|------------------------------------------------|-------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| Double Acting Pneumatic                                                                                                                                              |                                                                         |                                                          |                                              |                                                  |                                                |                                                                                                             |                                                                                |
| BFK50 - DA - E<br>BFK65 - DA - E<br>BFK80 - DA - E<br>BFK100 - DA - E<br>BFK125 - DA - E<br>BFK150 - DA - E<br>BFK200 - DA - E<br>BFK250 - DA - E<br>BFK300 - DA - E | DA50<br>DA50<br>DA63<br>DA63<br>DA75<br>DA88<br>DA115<br>DA125<br>DA145 | 50<br>65<br>80<br>100<br>125<br>150<br>200<br>250<br>300 | 10 BAR<br><br><br><br><br><br><br><br>10 BAR | -20°C<br><br><br><br><br><br><br>(EPDM)<br>120°C | 6-8 BAR<br><br><br><br><br><br><br><br>6-8 BAR | Body: Cast Iron<br>Wafer Universal<br>flange<br><br>304 S/S disc<br>EPDM liner<br><br>Aluminium<br>actuator | Double acting<br>Pneumatic<br>actuator.<br>Direct pad mount.<br><br><br>EPDM=E |
| Also available up to 600mm                                                                                                                                           |                                                                         |                                                          |                                              |                                                  |                                                |                                                                                                             |                                                                                |

### AIR / WATER



Wafer  
Series BFK

Spring  
Return  
Pneumatic

| Spring Return Pneumatic                                                       |       |     |        |                 |         |                                                                                                       |                                                                         |
|-------------------------------------------------------------------------------|-------|-----|--------|-----------------|---------|-------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|
| BFK550 - SR - E                                                               | SR63  | 50  | 10 BAR | -20°C           | 6-8 BAR | Body: Cast Iron<br>Wafer Universal flange<br><br>304 S/S disc<br>EPDM liner<br><br>Aluminium actuator | Single acting<br>Pneumatic actuator.<br>Direct pad mount.<br><br>EPDM=E |
| BFK565 - SR - E                                                               | SR63  | 65  |        |                 |         |                                                                                                       |                                                                         |
| BFK580 - SR - E                                                               | SR75  | 80  |        |                 |         |                                                                                                       |                                                                         |
| BFK5100 - SR - E                                                              | SR75  | 100 |        |                 |         |                                                                                                       |                                                                         |
| BFK5125 - SR - E                                                              | SR88  | 125 |        |                 |         |                                                                                                       |                                                                         |
| BFK5150 - SR - E                                                              | SR115 | 150 | 10 BAR | (EPDM)<br>120°C | 6-8 BAR |                                                                                                       |                                                                         |
| BFK5200 - SR - E                                                              | SR125 | 200 |        |                 |         |                                                                                                       |                                                                         |
| BFK5250 - SR - E                                                              | SR145 | 250 |        |                 |         |                                                                                                       |                                                                         |
| BFK5300 - SR - E                                                              | SR160 | 300 |        |                 |         |                                                                                                       |                                                                         |
| For normally open function change 4th digit to 6 • Also available up to 600mm |       |     |        |                 |         |                                                                                                       |                                                                         |

## 'Econo' Series BFK

### AIR / WATER



Wafer  
Series BFK

Manual  
Butterfly Valve

| Manual Butterfly Valve                                          |         |       |                |                                                                          |         |     |                                                                  |
|-----------------------------------------------------------------|---------|-------|----------------|--------------------------------------------------------------------------|---------|-----|------------------------------------------------------------------|
| Model                                                           | Size mm | Lever | Gearbox Option | Kg                                                                       | Stem SQ | ISO | Material of Construction                                         |
| Manual Lever and Gear Box                                       |         |       |                |                                                                          |         |     |                                                                  |
| BFK50 - L-E                                                     | 50      | ✓     | —              | 3.7                                                                      | 14      | F05 | <b>BODY MATERIAL</b><br>Cast Iron (FBE coated)                   |
| BFK65 - L-E                                                     | 65      | ✓     | —              | 4.3                                                                      | 14      | F05 |                                                                  |
| BFK80 - L-E                                                     | 80      | ✓     | —              | 4.6                                                                      | 14      | F05 |                                                                  |
| BFK100 - L-E                                                    | 100     | ✓     | GB1            | 5.8                                                                      | 14      | F05 | <b>DISC MATERIAL</b><br>304 Stainless Steel                      |
| BFK125 - L-E                                                    | 125     | ✓     | GB1            | 8.0                                                                      | 17      | F07 |                                                                  |
| BFK150 - L-E                                                    | 150     | ✓     | GB1            | 9.5                                                                      | 17      | F07 |                                                                  |
| BFK200 - L-E                                                    | 200     | ✓     | GB2            | 16                                                                       | 17      | F07 | <b>SEAT MATERIAL</b><br>EPDM (-20 ~ +120°C)<br>(Bonded) Shore 68 |
| BFK250 - L-E                                                    | 250     | ✓     | GB2            | 21                                                                       | 22      | F10 |                                                                  |
| BFK300 - L-E                                                    | 300     | ✓     | GB2            | 35                                                                       | 22      | F10 |                                                                  |
|                                                                 |         |       |                | Add 3.4kg for GB1 and 7.5kg for GB2                                      |         |     |                                                                  |
| Substitute 'G' for Gear Box option • Also available up to 600mm |         |       |                | <b>SUITS FLANGES</b><br>Table E, D ANSI 150 & BS4504 PN10 AS2129 Table E |         |     |                                                                  |

## Series BFDD

### AIR / WATER / VACUUM



Lugged  
Series BFDD

Double  
Flanged

| Model                                | Actuator                                                  | Orifice<br>ømm | Media<br>Pressure | Media<br>Temperature | Flange Options                                                                     | Material<br>of<br>Construction                                                                      | Features                                                                                 |
|--------------------------------------|-----------------------------------------------------------|----------------|-------------------|----------------------|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| <b>Double Flanged • Fully Lugged</b> |                                                           |                |                   |                      |                                                                                    |                                                                                                     |                                                                                          |
| BFDD50                               | OPTIONAL:<br>• LEVER • GEAR BOX<br>• PNEUMATIC • ELECTRIC | 50             | 16 BAR            | -20°C                | Standard:<br>AS 4087 PN16<br>AS 2129<br>Table E<br><br>Optional:<br>ANSI, DIN, JIC | - Cast Iron<br>- 316 S/S disc<br>- EPDM liner (E)<br>- Optional Viton (V)<br>- Optional Nitrile (N) | Direct pad mount.<br><br>Operator:<br>• Lever<br>• Gear Box<br>• Pneumatic<br>• Electric |
| BFDD65                               |                                                           | 65             |                   |                      |                                                                                    |                                                                                                     |                                                                                          |
| BFDD80                               |                                                           | 80             |                   |                      |                                                                                    |                                                                                                     |                                                                                          |
| BFDD100                              |                                                           | 100            |                   |                      |                                                                                    |                                                                                                     |                                                                                          |
| BFDD125                              |                                                           | 125            |                   |                      |                                                                                    |                                                                                                     |                                                                                          |
| BFDD150                              |                                                           | 150            | 10 BAR            | (EPDM)<br>120°C      |                                                                                    |                                                                                                     |                                                                                          |
| BFDD200                              |                                                           | 200            |                   |                      |                                                                                    |                                                                                                     |                                                                                          |
| BFDD250                              |                                                           | 250            |                   |                      |                                                                                    |                                                                                                     |                                                                                          |
| BFDD300                              |                                                           | 300            |                   |                      |                                                                                    |                                                                                                     |                                                                                          |
| BFDD350                              |                                                           | 350            |                   |                      |                                                                                    |                                                                                                     |                                                                                          |
| BFDD400                              |                                                           | 400            |                   |                      |                                                                                    |                                                                                                     |                                                                                          |
| BFDD450                              |                                                           | 450            |                   |                      |                                                                                    |                                                                                                     |                                                                                          |
| BFDD500                              |                                                           | 500            |                   |                      |                                                                                    |                                                                                                     |                                                                                          |
| BFDD600                              |                                                           | 600            |                   |                      |                                                                                    |                                                                                                     |                                                                                          |

For PVC Butterfly Valves See Page 13

## Series BFD

### AIR / WATER / VACUUM



| Model                          | Actuator | Orifice<br>Ømm | Media<br>Pressure | Media<br>Temperature | Actuator<br>Voltage/Air<br>Pressure | Material<br>of<br>Construction                                                                                              | Features                                                                                                      |
|--------------------------------|----------|----------------|-------------------|----------------------|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
| <b>Double Acting Pneumatic</b> |          |                |                   |                      |                                     |                                                                                                                             |                                                                                                               |
| BFD50 - DA - E                 | DA50     | 50             | 16 BAR            | -20°C                | 6-8 BAR                             | - Cast Iron<br>- 316 S/S disc<br>- EPDM liner (E)<br>- Optional Viton (V)<br>- Optional Nitrile (N)<br><br>Replacable liner | Double acting<br>Pneumatic<br>actuator.<br>Direct pad mount.<br><br>EPDM=E (Standard)<br>Viton=V<br>Nitrile=N |
| BFD65 - DA - E                 | DA50     | 65             |                   |                      |                                     |                                                                                                                             |                                                                                                               |
| BFD80 - DA - E                 | DA63     | 80             |                   |                      |                                     |                                                                                                                             |                                                                                                               |
| BFD100 - DA - E                | DA75     | 100            |                   |                      |                                     |                                                                                                                             |                                                                                                               |
| BFD125 - DA - E                | DA75     | 125            |                   |                      |                                     |                                                                                                                             |                                                                                                               |
| BFD150 - DA - E                | DA88     | 150            | 10 BAR            | (EPDM)<br>120°C      | 6-8 BAR                             |                                                                                                                             |                                                                                                               |
| BFD200 - DA - E                | DA115    | 200            |                   |                      |                                     |                                                                                                                             |                                                                                                               |
| BFD250 - DA - E                | DA125    | 250            |                   |                      |                                     |                                                                                                                             |                                                                                                               |
| BFD300 - DA - E                | DA145    | 300            |                   |                      |                                     |                                                                                                                             |                                                                                                               |
| BFD350 - DA - E                | DA160    | 350            |                   |                      |                                     |                                                                                                                             |                                                                                                               |
| BFD400 - DA - E                | DA180    | 400            |                   |                      |                                     |                                                                                                                             |                                                                                                               |
| BFD450 - DA - E                | DA200    | 450            |                   |                      |                                     |                                                                                                                             |                                                                                                               |
| BFD500 - DA - E                | DA240    | 500            |                   |                      |                                     |                                                                                                                             |                                                                                                               |
| BFD600 - DA - E                | DA270    | 600            |                   |                      |                                     |                                                                                                                             |                                                                                                               |

### AIR / WATER / VACUUM



| Spring Return Pneumatic                          |       |     |                                                                                    |                 |         |                                                                                                                                                                                             |                                                                                                         |
|--------------------------------------------------|-------|-----|------------------------------------------------------------------------------------|-----------------|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| BFD550 - SR - E                                  | SR63  | 50  |   | -20°C           | 6-8 BAR | <ul style="list-style-type: none"><li>- Cast Iron</li><li>- 316 S/S disc</li><li>- EPDM liner (E)</li><li>- Optional Viton (V)</li><li>- Optional Nitrile (N)</li></ul><br>Replacable liner | Spring Return Pneumatic actuator.<br>Direct pad mount.<br><br>EPDM=E (Standard)<br>Viton=V<br>Nitrile=N |
| BFD565 - SR - E                                  | SR63  | 65  |                                                                                    |                 |         |                                                                                                                                                                                             |                                                                                                         |
| BFD580 - SR - E                                  | SR75  | 80  |                                                                                    |                 |         |                                                                                                                                                                                             |                                                                                                         |
| BFD5100 - SR - E                                 | SR88  | 100 |                                                                                    |                 |         |                                                                                                                                                                                             |                                                                                                         |
| BFD5125 - SR - E                                 | SR88  | 125 |                                                                                    |                 |         |                                                                                                                                                                                             |                                                                                                         |
| BFD5150 - SR - E                                 | SR115 | 150 |  | (EPDM)<br>120°C | 6-8 BAR |                                                                                                                                                                                             |                                                                                                         |
| BFD5200 - SR - E                                 | SR125 | 200 |                                                                                    |                 |         |                                                                                                                                                                                             |                                                                                                         |
| BFD5250 - SR - E                                 | SR145 | 250 |                                                                                    |                 |         |                                                                                                                                                                                             |                                                                                                         |
| BFD5300 - SR - E                                 | SR160 | 300 |                                                                                    |                 |         |                                                                                                                                                                                             |                                                                                                         |
| BFD5350 - SR - E                                 | SR200 | 350 |                                                                                    |                 |         |                                                                                                                                                                                             |                                                                                                         |
| BFD5400 - SR - E                                 | SR240 | 400 |                                                                                    |                 |         |                                                                                                                                                                                             |                                                                                                         |
| BFD5450 - SR - E                                 | SR240 | 450 |                                                                                    |                 |         |                                                                                                                                                                                             |                                                                                                         |
| BFD5500 - SR - E                                 | SR270 | 500 |                                                                                    |                 |         |                                                                                                                                                                                             |                                                                                                         |
| For normally open function change 4th digit to 6 |       |     |                                                                                    |                 |         |                                                                                                                                                                                             |                                                                                                         |

### AIR / WATER / VACUUM



|                                                                           |       |     |        |                 |                                                                          |                                                                                                                             |                                                                               |
|---------------------------------------------------------------------------|-------|-----|--------|-----------------|--------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|
| <b>Electric On/Off</b>                                                    |       |     |        |                 |                                                                          |                                                                                                                             |                                                                               |
| BFD50 - E* - E                                                            | OM-1  | 50  | 16 BAR | -20°C           | E1=240VAC<br>E2=110VAC<br>E5=24VAC<br>E7=12VDC<br>E8=24VDC<br>E11=415VAC | - Cast Iron<br>- 316 S/S disc<br>- EPDM liner (E)<br>- Optional Viton (V)<br>- Optional Nitrile (N)<br><br>Replacable liner | on/off electric<br>actuator.<br><br>EPDM=E (Standard)<br>Viton=V<br>Nitrile=N |
| BFD65 - E* - E                                                            | OM-1  | 65  |        |                 |                                                                          |                                                                                                                             |                                                                               |
| BFD80 - E* - E                                                            | OM-1  | 80  |        |                 |                                                                          |                                                                                                                             |                                                                               |
| BFD100 - E* - E                                                           | OM-A  | 100 |        |                 |                                                                          |                                                                                                                             |                                                                               |
| BFD125 - E* - E                                                           | OM-A  | 125 |        |                 |                                                                          |                                                                                                                             |                                                                               |
| BFD150 - E* - E                                                           | OM-2  | 150 | 10 BAR | (EPDM)<br>120°C |                                                                          |                                                                                                                             |                                                                               |
| BFD200 - E* - E                                                           | OM-3  | 200 |        |                 |                                                                          |                                                                                                                             |                                                                               |
| BFD250 - E* - E                                                           | OM-4  | 250 |        |                 |                                                                          |                                                                                                                             |                                                                               |
| BFD300 - E* - E                                                           | OM-5  | 300 |        |                 |                                                                          |                                                                                                                             |                                                                               |
| BFD350 - E* - E                                                           | OM-6  | 350 |        |                 |                                                                          |                                                                                                                             |                                                                               |
| BFD400 - E* - E                                                           | OM-7  | 400 |        |                 |                                                                          |                                                                                                                             |                                                                               |
| BFD450 - E* - E                                                           | OM-8  | 450 |        |                 |                                                                          |                                                                                                                             |                                                                               |
| BFD500 - E* - E                                                           | OM-9  | 500 |        |                 |                                                                          |                                                                                                                             |                                                                               |
| BFD600 - E* - E                                                           | OM-11 | 600 |        |                 |                                                                          |                                                                                                                             |                                                                               |
| Power Open / Power Closed. Available in Spring Return Electric Actuation. |       |     |        |                 |                                                                          |                                                                                                                             |                                                                               |

### AIR / WATER / VACUUM



| <b>Lever and Gear Operated</b>     |      |       |         |                           |                   |                                                                                                                                                                                                                                                                                                                |
|------------------------------------|------|-------|---------|---------------------------|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                    | SIZE | LEVER | GEARBOX | KG                        | MEDIA<br>PRESSURE |                                                                                                                                                                                                                                                                                                                |
| BFD50 - L - E                      | 50   | ✓     | -       | 3.7                       | 16 BAR            | <b>BODY MATERIAL</b><br>Cast Iron FBE Coated<br><br><b>DISC MATERIAL</b><br>Stainless Steel CF8M (316SS)<br><br><b>SEAT MATERIAL (SHORE 72)</b><br>EPDM (-20 ~ +120°C) <input type="checkbox"/> (Std)<br>VITON (-20 ~ +120°C) <input type="checkbox"/><br>NITRILE (NBR) (-10 ~ +80°C) <input type="checkbox"/> |
| BFD65 - L - E                      | 65   | ✓     | -       | 4.3                       |                   |                                                                                                                                                                                                                                                                                                                |
| BFD80 - L - E                      | 80   | ✓     | -       | 4.6                       |                   |                                                                                                                                                                                                                                                                                                                |
| BFD100 - L - E                     | 100  | ✓     | GB1     | 5.8                       |                   |                                                                                                                                                                                                                                                                                                                |
| BFD125 - L - E                     | 125  | ✓     | GB1     | 8.0                       |                   |                                                                                                                                                                                                                                                                                                                |
| BFD150 - L - E                     | 150  | ✓     | GB2     | 9.5                       | 10 BAR            | <b>SUITS FLANGES</b><br>Table E, D ANSI 150 & BS4504 PN10<br>AS4087 PN16, AS2129 Table E                                                                                                                                                                                                                       |
| BFD200 - L - E                     | 200  | ✓     | GB2     | 16                        |                   |                                                                                                                                                                                                                                                                                                                |
| BFD250 - L - E                     | 250  | ✓     | GB2     | 21                        |                   |                                                                                                                                                                                                                                                                                                                |
| BFD300 - L - E                     | 300  | ✓     | GB2     | 35                        |                   |                                                                                                                                                                                                                                                                                                                |
| BFD350 - G - E                     | 350  |       | GB3     | 70                        |                   |                                                                                                                                                                                                                                                                                                                |
| BFD400 - G - E                     | 400  |       | GB4     | 133                       |                   |                                                                                                                                                                                                                                                                                                                |
| BFD450 - G - E                     | 450  |       | GB4     | 148                       |                   |                                                                                                                                                                                                                                                                                                                |
| BFD500 - G - E                     | 500  |       | GB4     | 200                       |                   |                                                                                                                                                                                                                                                                                                                |
| BFD600 - G - E                     | 600  |       | GB5     | 312                       |                   |                                                                                                                                                                                                                                                                                                                |
| Substitute 'G' for Gear Box option |      |       |         | Add extra for<br>Gear Box |                   |                                                                                                                                                                                                                                                                                                                |



## Series BFL Lugged

AIR / WATER / VACUUM



### Double Acting Pneumatic

| Model                                                                                                                                                                | Actuator                                                                | Orifice<br>Ømm                                           | Media<br>Pressure                        | Media<br>Temperature                         | Actuator<br>Voltage/Air<br>Pressure        | Material<br>of<br>Construction                                                                                                                              | Features                                                                                                                                                                    |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|----------------------------------------------------------|------------------------------------------|----------------------------------------------|--------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BFL50 - DA - E<br>BFL65 - DA - E<br>BFL80 - DA - E<br>BFL100 - DA - E<br>BFL125 - DA - E<br>BFL150 - DA - E<br>BFL200 - DA - E<br>BFL250 - DA - E<br>BFL300 - DA - E | DA50<br>DA50<br>DA63<br>DA75<br>DA75<br>DA88<br>DA115<br>DA125<br>DA145 | 50<br>65<br>80<br>100<br>125<br>150<br>200<br>250<br>300 | 16 BAR<br><br><br><br><br><br><br>16 BAR | -20°C<br><br><br><br><br><br>(EPDM)<br>120°C | 6-8 BAR<br><br><br><br><br><br><br>6-8 BAR | Lugged:<br>Table E (Std)<br><br>- Cast Iron<br>- 316 S/S disc<br>- EPDM liner (E)<br>- Optional Viton (V)<br>- Optional Nitrile (N)<br><br>Replacable liner | Double acting<br>Pneumatic<br>actuator.<br>Direct pad mount.<br><br>Flange to AS4087<br>PN16<br>AS2129 Table E<br><br>FBE Coated<br><br>Other Flange<br>Standards Available |
| Larger sizes available                                                                                                                                               |                                                                         |                                                          |                                          |                                              |                                            |                                                                                                                                                             |                                                                                                                                                                             |

AIR / WATER / VACUUM



### Spring Return Pneumatic

|                                                                                                                                                                               |                                                                          |                                                          |                                          |                                              |                                            |                                                                                                                                                             |                                                                                                                                  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------------|------------------------------------------|----------------------------------------------|--------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| BFL550 - SR - E<br>BFL565 - SR - E<br>BFL580 - SR - E<br>BFL5100 - SR - E<br>BFL5125 - SR - E<br>BFL5150 - SR - E<br>BFL5200 - SR - E<br>BFL5250 - SR - E<br>BFL5300 - SR - E | SR63<br>SR63<br>SR75<br>SR88<br>SR88<br>SR115<br>SR125<br>SR145<br>SR160 | 50<br>65<br>80<br>100<br>125<br>150<br>200<br>250<br>300 | 16 BAR<br><br><br><br><br><br><br>16 BAR | -20°C<br><br><br><br><br><br>(EPDM)<br>120°C | 6-8 BAR<br><br><br><br><br><br><br>6-8 BAR | Lugged:<br>Table E (Std)<br><br>- Cast Iron<br>- 316 S/S disc<br>- EPDM liner (E)<br>- Optional Viton (V)<br>- Optional Nitrile (N)<br><br>Replacable liner | Spring Return<br>Pneumatic<br>actuator.<br>Direct pad mount.<br><br>Flange to AS4087<br>PN16<br>AS2129 Table E<br><br>FBE Coated |
| For normally open function change 4th digit to 6 • Larger sizes available                                                                                                     |                                                                          |                                                          |                                          |                                              |                                            |                                                                                                                                                             |                                                                                                                                  |

AIR / WATER / VACUUM



### Electric On/Off

|                                                                                                                                                                      |                                                                      |                                                          |                                          |                                              |                                                                         |                                                                                                                                                             |                                                                                                  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|----------------------------------------------------------|------------------------------------------|----------------------------------------------|-------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
| BFL50 - E* - E<br>BFL65 - E* - E<br>BFL80 - E* - E<br>BFL100 - E* - E<br>BFL125 - E* - E<br>BFL150 - E* - E<br>BFL200 - E* - E<br>BFL250 - E* - E<br>BFL300 - E* - E | OM-1<br>OM-1<br>OM-1<br>OM-A<br>OM-A<br>OM-2<br>OM-3<br>OM-4<br>OM-5 | 50<br>65<br>80<br>100<br>125<br>150<br>200<br>250<br>300 | 16 BAR<br><br><br><br><br><br><br>16 BAR | -20°C<br><br><br><br><br><br>(EPDM)<br>120°C | E1=240VAC<br>E2=110VAC<br>E5=24VAC<br>E7=12VDC<br>E8=24VDC<br>11=415VAC | Lugged:<br>Table E (Std)<br><br>- Cast Iron<br>- 316 S/S disc<br>- EPDM liner (E)<br>- Optional Viton (V)<br>- Optional Nitrile (N)<br><br>Replacable liner | on/off electric<br>actuator.<br><br>Flange to AS4087<br>PN16<br>AS2129 Table E<br><br>FBE Coated |
| Power Open / Power Closed. Available in Spring Return Electric Actuation. • Larger sizes available                                                                   |                                                                      |                                                          |                                          |                                              |                                                                         |                                                                                                                                                             |                                                                                                  |

AIR / WATER / VACUUM



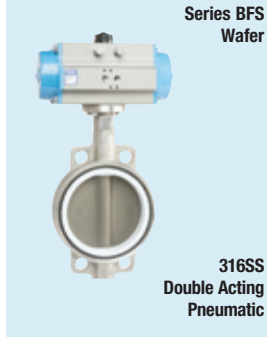
### Lever and Gear Operated

| MODEL                                                                                                                                                       | SIZE                                                     | LEVER                                     | GEARBOX                                               | Kg with LEVER                                                | ANSI-150                                                                                                                                            | TABLE 'E' (Std)                           | TABLE 'D' (Std)                           |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|-------------------------------------------|-------------------------------------------------------|--------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|-------------------------------------------|
| BFL50 - L - E<br>BFL65 - L - E<br>BFL80 - L - E<br>BFL100 - L - E<br>BFL125 - L - E<br>BFL150 - L - E<br>BFL200 - L - E<br>BFL250 - L - E<br>BFL300 - L - E | 50<br>65<br>80<br>100<br>125<br>150<br>200<br>250<br>300 | ✓<br>✓<br>✓<br>✓<br>✓<br>✓<br>✓<br>✓<br>✓ | -<br>-<br>-<br>GB1<br>GB1<br>GB2<br>GB2<br>GB2<br>GB2 | 4.5<br>5.0<br>6.2<br>9.2<br>11.6<br>13.2<br>21<br>31<br>46.4 | ✓<br>✓<br>✓<br>✓<br>✓<br>✓<br>✓<br>✓<br>✓                                                                                                           | ✓<br>✓<br>✓<br>✓<br>✓<br>✓<br>✓<br>✓<br>✓ | ✓<br>✓<br>✓<br>-<br>✓<br>✓<br>✓<br>-<br>✓ |
| Substitute 'G' for Gear Box option • Larger sizes available                                                                                                 |                                                          |                                           |                                                       | Add extra for<br>Gear Box                                    | SEAT MATERIAL (Shore 72)<br>EPDM (-20 ~ +120°C) Standard (E)<br>Viton (FKM) (-20 ~ +120°C) Optional (V)<br>Nitrile (NBR) (-10 ~ +80°C) Optional (N) |                                           |                                           |
|                                                                                                                                                             |                                                          |                                           |                                                       |                                                              | AS4087 PN16, AS2129                                                                                                                                 |                                           |                                           |

Other Flange Standards Available

## Series BFS Wafer

### AIR / WATER



| Model                                                                                                                                                                | Actuator                                                                  | Orifice<br>Ømm                                           | Media<br>Pressure                    | Media<br>Temperature               | Actuator<br>Voltage/Air<br>Pressure    | Material<br>of<br>Construction                                                       | Features                                                     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|----------------------------------------------------------|--------------------------------------|------------------------------------|----------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------|
| <b>Double Acting Pneumatic - PTFE Seat &amp; Disc. 316SS Body</b>                                                                                                    |                                                                           |                                                          |                                      |                                    |                                        |                                                                                      |                                                              |
| BFS50 - DA - T<br>BFS65 - DA - T<br>BFS80 - DA - T<br>BFS100 - DA - T<br>BFS125 - DA - T<br>BFS150 - DA - T<br>BFS200 - DA - T<br>BFS250 - DA - T<br>BFS300 - DA - T | DA63<br>DA75<br>DA75<br>DA88<br>DA100<br>DA115<br>DA125<br>DA160<br>DA180 | 50<br>65<br>80<br>100<br>125<br>150<br>200<br>250<br>300 | 10 BAR<br><br><br><br><br><br>10 BAR | -20°C<br><br><br><br><br><br>120°C | 6-8 BAR<br><br><br><br><br><br>6-8 BAR | Body:<br>316 SS<br><br>Liner:<br>PTFE Coated EPDM<br><br>Disc:<br>PTFE Coated 316 SS | Double acting<br>Pneumatic<br>actuator.<br>Direct pad mount. |

### AIR / WATER



### Spring Return Pneumatic - PTFE Seat & Disc. 316SS Body

|                                                                                                                                                                               |                                                                             |                                                          |                                      |                                    |                                        |                                                                                      |                                                              |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|----------------------------------------------------------|--------------------------------------|------------------------------------|----------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------|
| BFS550 - SR - T<br>BFS565 - SR - T<br>BFS580 - SR - T<br>BFS5100 - SR - T<br>BFS5125 - SR - T<br>BFS5150 - SR - T<br>BFS5200 - SR - T<br>BFS5250 - SR - T<br>BFS5300 - SR - T | SR75<br>SR88<br>SR100<br>SR115<br>SR125<br>SR145<br>SR180<br>SR200<br>SR240 | 50<br>65<br>80<br>100<br>125<br>150<br>200<br>250<br>300 | 10 BAR<br><br><br><br><br><br>10 BAR | -20°C<br><br><br><br><br><br>120°C | 6-8 BAR<br><br><br><br><br><br>6-8 BAR | Body:<br>316 SS<br><br>Liner:<br>PTFE Coated EPDM<br><br>Disc:<br>PTFE Coated 316 SS | Spring Return<br>Pneumatic<br>actuator.<br>Direct pad mount. |
| For normally open function change 4th digit to 6                                                                                                                              |                                                                             |                                                          |                                      |                                    |                                        |                                                                                      |                                                              |

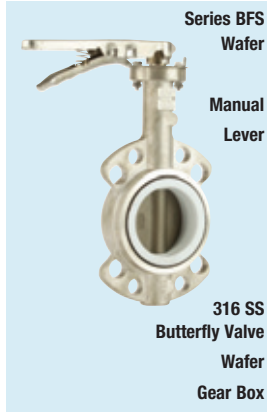
### AIR / WATER



### Electric On/Off - PTFE Seat & Disc. 316SS Body

|                                                                                                                                                                      |                                                                      |                                                          |                                      |                                    |                                                                         |                                                                                      |                              |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|----------------------------------------------------------|--------------------------------------|------------------------------------|-------------------------------------------------------------------------|--------------------------------------------------------------------------------------|------------------------------|
| BFS50 - E* - T<br>BFS65 - E* - T<br>BFS80 - E* - T<br>BFS100 - E* - T<br>BFS125 - E* - T<br>BFS150 - E* - T<br>BFS200 - E* - T<br>BFS250 - E* - T<br>BFS300 - E* - T | OM-1<br>OM-1<br>OM-A<br>OM-2<br>OM-3<br>OM-4<br>OM-4<br>OM-6<br>OM-7 | 50<br>65<br>80<br>100<br>125<br>150<br>200<br>250<br>300 | 10 BAR<br><br><br><br><br><br>10 BAR | -20°C<br><br><br><br><br><br>120°C | E1=240VAC<br>E2=110VAC<br>E5=24VAC<br>E7=12VDC<br>E8=24VDC<br>11=415VAC | Body:<br>316 SS<br><br>Liner:<br>PTFE Coated EPDM<br><br>Disc:<br>PTFE Coated 316 SS | on/off electric<br>actuator. |
| Available in Spring Return Electric Actuation and all St/St Electric Actuator                                                                                        |                                                                      |                                                          |                                      |                                    |                                                                         |                                                                                      |                              |

### AIR / WATER



### Lever and Gear Operated - PTFE Seat & Disc. 316SS Body

|                                                                                                                                                             |                                                          | LEVER                                     | GEARBOX                                                     | KG (LEVER)                                                 |                                                                                                                                                                                                                                                                               |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|-------------------------------------------|-------------------------------------------------------------|------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BFS50 - L - T<br>BFS65 - L - T<br>BFS80 - L - T<br>BFS100 - L - T<br>BFS125 - L - T<br>BFS150 - L - T<br>BFS200 - L - T<br>BFS250 - L - T<br>BFS300 - L - T | 50<br>65<br>80<br>100<br>125<br>150<br>200<br>250<br>300 | ✓<br>✓<br>✓<br>✓<br>✓<br>✓<br>✓<br>✓<br>✓ | GB1<br>GB1<br>GB1<br>GB1<br>GB1<br>GB2<br>GB2<br>GB3<br>GB4 | 2.5<br>3.0<br>3.7<br>5.4<br>7.0<br>8.5<br>13.5<br>20<br>38 | <b>LEVER</b><br>304 SS<br><br><b>BODY MATERIAL</b><br>316 SS<br><br><b>DISC MATERIAL</b><br>PTFE Coated 316 SS<br><br><b>SEAT MATERIAL</b><br>PTFE Coated EPDM<br><br><b>WAFFER STYLE</b><br>Suit Flanges<br>Table E, D ANSI 150 & BS4504 PN10<br>AS4087 PN16, AS2129 Table E |
| Substitute 'G' for Gear Box option                                                                                                                          |                                                          |                                           |                                                             | Add extra for<br>Gear Box                                  |                                                                                                                                                                                                                                                                               |

## Electric

| Model | Torque (NM) | Speed Sec/90° |    | MTG Flange ISO5211 | Drive MM | Override | Visual Indicator | IP67 | Micro Switch for Feed Back Open/Close 0-250V 5amp | 4-20mA Feed Back | IEC Ex Flame proof | Kg |
|-------|-------------|---------------|----|--------------------|----------|----------|------------------|------|---------------------------------------------------|------------------|--------------------|----|
|       |             | AC            | DC |                    |          |          |                  |      |                                                   |                  |                    |    |

### Double Acting.



### Power On, Power Off • Die Cast Housing • FBE Coating

|                |      |    |    |         |    |   |   |   |   |   |          |        |
|----------------|------|----|----|---------|----|---|---|---|---|---|----------|--------|
| OM-1 - * 3 sec | 15   | 3  | 3  | F03/F05 | 14 | ↑ | ✓ | ✓ | ✓ | ✓ |          | 2.00   |
| OM-1 - *       | 35   | 13 | 15 | F03/F05 | 14 | ↑ | ✓ | ✓ | ✓ | ✓ |          | 2.00   |
| OM-A - *       | 50   | 24 | 20 | F05/F07 | 17 | ↑ | ✓ | ✓ | ✓ | ✓ |          | 3.00   |
| OM-2 - *       | 90   | 17 | 15 | F07     | 22 | ↑ | ✓ | ✓ | ✓ | ✓ |          | 11.00  |
| OM-3 - *       | 150  | 26 | 22 | F07     | 22 | ↑ | ✓ | ✓ | ✓ | ✓ |          | 11.00  |
| OM-4 - *       | 400  | 18 | 16 | F10     | 36 | ↑ | ✓ | ✓ | ✓ | ✓ |          | 22.00  |
| OM-5 - *       | 500  | 25 | 22 | F10     | 36 | ↑ | ✓ | ✓ | ✓ | ✓ |          | 22.00  |
| OM-6 - *       | 650  | 31 | 28 | F10     | 36 | ↑ | ✓ | ✓ | ✓ | ✓ |          | 22.00  |
| OM-7 - *       | 1000 | 55 | 46 | F12/F14 | 35 | Ø | ✓ | ✓ | ✓ | ✓ | OPTIONAL | 36.00  |
| OM-8 - *       | 1500 | 55 | 46 | F12/F14 | 35 | Ø | ✓ | ✓ | ✓ | ✓ | OPTIONAL | 36.00  |
| OM-9 - *       | 2000 | 70 | 58 | F14/F16 | 75 | Ø | ✓ | ✓ | ✓ | ✓ |          | 71.00  |
| OM-10 - *      | 2500 | 70 | 58 | F14/F16 | 75 | Ø | ✓ | ✓ | ✓ | ✓ |          | 71.00  |
| OM-11 - *      | 3000 | 70 | 58 | F14/F16 | 75 | Ø | ✓ | ✓ | ✓ | ✓ |          | 72.00  |
| OM-12 - *      | 3500 | 70 | 58 | F14/F16 | 75 | Ø | ✓ | ✓ | ✓ | ✓ |          | 72.00  |
| OM-13 - *      | 4500 | 95 | —  | F16/F25 | 75 | Ø | ✓ | ✓ | ✓ | ✓ |          | 106.00 |

### Modulating



### Input 4-20ma, 1-5V DC, 2-10V DC • Die Cast Housing • FBE Coating

|             |      |    |    |         |    |   |   |   |   |   |          |        |
|-------------|------|----|----|---------|----|---|---|---|---|---|----------|--------|
| OM-1 M - *  | 35   | 13 | 15 | F03/F05 | 14 | ↑ | ✓ | ✓ | ✓ | ✓ |          | 2.00   |
| OM-A M - *  | 50   | 24 | 20 | F05/F07 | 17 | ↑ | ✓ | ✓ | ✓ | ✓ |          | 3.00   |
| OM-2 M - *  | 90   | 17 | 15 | F07     | 22 | ↑ | ✓ | ✓ | ✓ | ✓ |          | 11.00  |
| OM-3 M - *  | 150  | 26 | 22 | F07     | 22 | ↑ | ✓ | ✓ | ✓ | ✓ |          | 11.00  |
| OM-4 M - *  | 400  | 18 | 16 | F10     | 36 | ↑ | ✓ | ✓ | ✓ | ✓ |          | 22.00  |
| OM-5 M - *  | 500  | 25 | 22 | F10     | 36 | ↑ | ✓ | ✓ | ✓ | ✓ |          | 22.00  |
| OM-6 M - *  | 650  | 31 | 28 | F10     | 36 | ↑ | ✓ | ✓ | ✓ | ✓ |          | 22.00  |
| OM-7 M - *  | 1000 | 55 | 46 | F12/F14 | 35 | Ø | ✓ | ✓ | ✓ | ✓ | OPTIONAL | 36.00  |
| OM-8 M - *  | 1500 | 55 | 46 | F12/F14 | 35 | Ø | ✓ | ✓ | ✓ | ✓ | OPTIONAL | 36.00  |
| OM-9 M - *  | 2000 | 70 | 58 | F14/F16 | 75 | Ø | ✓ | ✓ | ✓ | ✓ |          | 71.00  |
| OM-10 M - * | 2500 | 70 | 58 | F14/F16 | 75 | Ø | ✓ | ✓ | ✓ | ✓ |          | 71.00  |
| OM-11 M - * | 3000 | 70 | 58 | F14/F16 | 75 | Ø | ✓ | ✓ | ✓ | ✓ |          | 72.00  |
| OM-12 M - * | 3500 | 70 | 58 | F14/F16 | 75 | Ø | ✓ | ✓ | ✓ | ✓ |          | 72.00  |
| OM-13 M - * | 4500 | 95 | —  | F16/F25 | 75 | Ø | ✓ | ✓ | ✓ | ✓ |          | 106.00 |

### Stainless Steel



### Power on, Power Off. SS316 Housing

|           |     |    |    |         |    |   |   |   |   |   |  |       |
|-----------|-----|----|----|---------|----|---|---|---|---|---|--|-------|
| OMS-1 - * | 35  | 13 | 15 | F03/F05 | 14 | ↑ | ✓ | ✓ | ✓ | ✓ |  | 2.00  |
| OMS-2 - * | 90  | 17 | 15 | F07     | 22 | ↑ | ✓ | ✓ | ✓ | ✓ |  | 11.00 |
| OMS-3 - * | 150 | 26 | 22 | F07     | 22 | ↑ | ✓ | ✓ | ✓ | ✓ |  | 11.00 |
| OMS-4 - * | 400 | 18 | 16 | F10     | 36 | ↑ | ✓ | ✓ | ✓ | ✓ |  | 22.00 |
| OMS-5 - * | 500 | 25 | 22 | F10     | 36 | ↑ | ✓ | ✓ | ✓ | ✓ |  | 22.00 |
| OMS-6 - * | 650 | 31 | 28 | F10     | 36 | ↑ | ✓ | ✓ | ✓ | ✓ |  | 22.00 |

### Spring Return



### Fail Safe • Die Cast Housing • FBE Coating • With and without manual override

|             |     |    |    |    |    |     |       |   |   |   |   |          |        |
|-------------|-----|----|----|----|----|-----|-------|---|---|---|---|----------|--------|
| S500 - *    | 50  | 9  | 3  | 7  | 3  | F07 | 17 SQ | — | ✓ | ✓ | ✓ |          | 27.00  |
| S1300 - *   | 130 | 9  | 8  | 8  | 8  | F10 | 22 SQ | — | ✓ | ✓ | ✓ |          | 57.00  |
| S2000 - *   | 200 | 13 | 12 | 11 | 12 | F12 | 27 SQ | — | ✓ | ✓ | ✓ |          | 95.00  |
| S2600 - *   | 250 | 17 | 12 | 12 | 12 | F12 | 27 SQ | — | ✓ | ✓ | ✓ |          | 95.00  |
| S500 H - *  | 50  | 9  | 3  | 7  | 3  | F07 | 17 SQ | ✓ | ✓ | ✓ | ✓ | OPTIONAL | 42.00  |
| S1300 H - * | 130 | 9  | 8  | 8  | 8  | F10 | 22 SQ | ✓ | ✓ | ✓ | ✓ | OPTIONAL | 82.00  |
| S2000 H - * | 200 | 13 | 12 | 11 | 12 | F12 | 27 SQ | ✓ | ✓ | ✓ | ✓ |          | 147.00 |
| S2600 H - * | 250 | 17 | 12 | 12 | 12 | F12 | 27 SQ | ✓ | ✓ | ✓ | ✓ |          | 147.00 |

### Optional Items



Local Control Unit

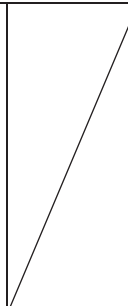
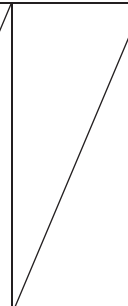
- Limit Switches 2xZero Voltage L/S Standard with all actuators other than modulating. (0.250v. 5 amp)
- Modulating Control. 4-20MA, 1-5VDC, 2-10VDC
- Explosion Proof IECEx 
- Special Voltages — Including 415V 3 Phase
- Local Control Unit
- Potentiometer (1K or 5K OHM)
- Torque Limiter
- Current Position Transmitter output 4-20MA
- Heater
- High Speed Open & Close, 3 Seconds, 8 Seconds
- Floating Controller

## Pneumatic

### Double Acting



Double Acting

| Model                                | Torque (NM)<br>at 5.5 BAR | Torque (NM) at 5.5 BAR                                                            |                                                                                   | MTG Flange<br>ISO5211 | Drive<br>MM | Features & Options | Kg                  |       |
|--------------------------------------|---------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------|-------------|--------------------|---------------------|-------|
| ALUMINIUM                            |                           | 0°                                                                                | 90°                                                                               |                       |             |                    |                     |       |
| Aluminium • Stainless Steel Optional |                           |                                                                                   |                                                                                   |                       |             |                    |                     |       |
| DA32                                 | 8.0                       |  |  | F03                   | 9 SQ        | STAR DRIVE         | Standard:           | 0.48  |
| DA50                                 | 18.3                      |                                                                                   |                                                                                   | F03/F05               | 11 SQ       |                    | Visual indicator    | 1.05  |
| DA63                                 | 32                        |                                                                                   |                                                                                   | F05/F07               | 14 SQ       |                    | Adjustable stroke   | 1.50  |
| DA75                                 | 64                        |                                                                                   |                                                                                   | F05/F07               | 17 SQ       |                    | Anodised aluminium  | 2.60  |
| DA88                                 | 101                       |                                                                                   |                                                                                   | F05/F07               | 17 SQ       |                    | body (Std)          | 3.40  |
| DA100                                | 146                       |                                                                                   |                                                                                   | F07/F10               | 17 SQ       |                    | NBR seals (80°C)    | 5.10  |
| DA115                                | 236                       |                                                                                   |                                                                                   | F07/F10               | 22 SQ       |                    | 8 BAR (max)         | 8.00  |
| DA125                                | 305                       |                                                                                   |                                                                                   | F07/F10               | 22 SQ       |                    | Options:            | 10.00 |
| DA145                                | 478                       |                                                                                   |                                                                                   | F10/F12               | 27 SQ       |                    | St/St body          | 15.00 |
| DA160                                | 624                       |                                                                                   |                                                                                   | F10/F12               | 27 SQ       |                    | Viton seals (120°C) | 19.50 |
| DA180                                | 842                       |                                                                                   |                                                                                   | F14                   | 36 SQ       |                    |                     | 27.00 |
| DA200                                | 1170                      |                                                                                   |                                                                                   | F14                   | 36 SQ       |                    | See page 39 for     | 32.80 |
| DA240                                | 2553                      |                                                                                   |                                                                                   | F16                   | 46 SQ       |                    | Drive Adapters      | 60.00 |
| DA270                                | 3410                      |                                                                                   |                                                                                   | F16                   | 46 SQ       |                    |                     | 71.50 |

### Spring Return



Spring Return

|                                             |  |      |      |         |       |                    |       |
|---------------------------------------------|--|------|------|---------|-------|--------------------|-------|
| <b>Aluminium • Stainless Steel Optional</b> |  |      |      |         |       |                    |       |
| SR50                                        |  | 11   | 8    | F03/F05 | 11 SQ | STAR DRIVE         | 1.20  |
| SR63                                        |  | 21   | 15   | F05/F07 | 14 SQ |                    | 1.80  |
| SR75                                        |  | 41   | 29   | F05/F07 | 17 SQ |                    | 3.20  |
| SR88                                        |  | 63   | 42   | F05/F07 | 17 SQ |                    | 4.30  |
| SR100                                       |  | 95   | 67   | F07/F10 | 17 SQ |                    | 6.60  |
| SR115                                       |  | 154  | 105  | F07/F10 | 22 SQ |                    | 10.60 |
| SR125                                       |  | 200  | 140  | F07/F10 | 22 SQ |                    | 13.40 |
| SR145                                       |  | 314  | 221  | F10/F12 | 27 SQ |                    | 20.00 |
| SR160                                       |  | 400  | 292  | F10/F12 | 27 SQ |                    | 24.40 |
| SR180                                       |  | 526  | 369  | F14     | 36 SQ |                    | 32.00 |
| SR200                                       |  | 745  | 540  | F14     | 36 SQ |                    | 50.50 |
| SR240                                       |  | 1616 | 1149 | F16     | 46 SQ |                    | 70.00 |
| SR270                                       |  | 2273 | 1616 | F16     | 46 SQ |                    | 88.00 |
|                                             |  |      |      |         |       | Standard:          |       |
|                                             |  |      |      |         |       | Visual indicator   |       |
|                                             |  |      |      |         |       | Adjustable stroke  |       |
|                                             |  |      |      |         |       | Anodised aluminium |       |
|                                             |  |      |      |         |       | body (Std)         |       |
|                                             |  |      |      |         |       | NBR seals (80°C)   |       |
|                                             |  |      |      |         |       | 8 BAR (max)        |       |
|                                             |  |      |      |         |       | Options:           |       |
|                                             |  |      |      |         |       | St/St body         |       |
|                                             |  |      |      |         |       | Viton seals        |       |
|                                             |  |      |      |         |       | See page 39 for    |       |
|                                             |  |      |      |         |       | Drive Adapters     |       |

## Feed back

### Limit Switch Box



Series SK

Aluminium  
Body

| Model                                                              | Rating | Sensor                                                       | Temp.        | Other                      | Enclosure                                                                                                                                                   |
|--------------------------------------------------------------------|--------|--------------------------------------------------------------|--------------|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Aluminium Enclosure • Prewired • Hi Visual Indicator • IP67</b> |        |                                                              |              |                            |                                                                                                                                                             |
| SK - 100                                                           | IP67   | 2 x SPDT Mechanical Switch<br>10 Amp AC 250V Max<br>2 Amp DC | -20°C – 80°C | 2 Cable Entry<br>M20 x 1.5 | Die Cast Aluminium.<br>Powder Coated.<br><br>304SS Bracket<br><br>SK-1 BKT STD - DA/SR 50 - 100<br>SK-3 BKT - DA/SR 115 - 125<br>SK-4 BKT - DA/SR 160 - 270 |

### Limit Switch Box



Series  
ALS Ex

Aluminium  
Body

|                                                                                                          |      |                                                                 |              |                            |                                                                                                              |
|----------------------------------------------------------------------------------------------------------|------|-----------------------------------------------------------------|--------------|----------------------------|--------------------------------------------------------------------------------------------------------------|
| <b>Aluminium Enclosure • Explosion Proof • Exd IIC T6 - IEC Ex CQM 12.0047 • IP66</b>                    |      |                                                                 |              |                            |                                                                                                              |
| ALS 500 M2 Ex                                                                                            | IP66 | 15A SPDT x 2 (Std)<br>15A SPDT x 3 } Optional<br>15A SPDT x 4 } | -25°C – 85°C | 2 Cable Entry<br>M20 x 1.5 | Die Cast Aluminium.<br>Powder Coated.<br><br>Coated Bracket<br><br>Exd II CT6<br>IEC Ex CCpm 09.0016<br>IP66 |
|                                                                                                          |      | Various Inductive Sensors<br>(Optional)                         |              |                            |                                                                                                              |
|  Explosive Atmosphere |      |                                                                 |              |                            |                                                                                                              |

### Limit Switch Box



Series  
ALS Ex

Stainless  
Steel Body

|                                                                                                          |      |                                                                 |              |                            |                                                                               |
|----------------------------------------------------------------------------------------------------------|------|-----------------------------------------------------------------|--------------|----------------------------|-------------------------------------------------------------------------------|
| <b>316 Stainless Steel Enclosure • Explosion Proof • Exd IIB T6 - IEC Ex CQM 12.0047 • IP66</b>          |      |                                                                 |              |                            |                                                                               |
| ALS 600 M2 Ex                                                                                            | IP66 | 15A SPDT x 2 (Std)<br>15A SPDT x 3 } Optional<br>15A SPDT x 4 } | -25°C – 85°C | 2 Cable Entry<br>M20 x 1.5 | 316SS Body<br><br>SS Bracket<br><br>Exd II CT6<br>IEC Ex CCpm 09.0016<br>IP66 |
|                                                                                                          |      | Various Inductive Sensors<br>(Optional)                         |              |                            |                                                                               |
|  Explosive Atmosphere |      |                                                                 |              |                            |                                                                               |

### Electro-Pneumatic Positioner - 90° Rotation • IP66



Series POS

| Model   | Rating                                                                                          | Temp.             | Features and Options                                                                                                                                   |
|---------|-------------------------------------------------------------------------------------------------|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| POS - A | Weatherproof IP66<br>Sensitivity 0.4%<br>NAMUR Interface<br>1.5% Hysteresis<br>3LPM@1.5 BAR AIR | -20°C<br><br>70°C | Powder Coated Aluminium Body<br>Conduit Entry M20 X 1.5<br>Input 4-20mA Output 4-20mA<br>Supply Pressure 1.4 ~ 7 BAR<br><br>Smart Positioner available |



## Knife Gate



Series KGDHW

Cast Iron  
Manual Hand Wheel  
Non Rising

| Model | Actuator | Diameter Nominal (D/N) | Orifice Ømm | Media Pressure | Media Temperature | Actuator Voltage/Air Pressure | Material of Construction | Features |
|-------|----------|------------------------|-------------|----------------|-------------------|-------------------------------|--------------------------|----------|
|-------|----------|------------------------|-------------|----------------|-------------------|-------------------------------|--------------------------|----------|

### Manual Hand Wheel • Cast Iron • Bidirectional

|                                                                                                          |                                  |     |     |        |          |                                                     |                                                            |                                |
|----------------------------------------------------------------------------------------------------------|----------------------------------|-----|-----|--------|----------|-----------------------------------------------------|------------------------------------------------------------|--------------------------------|
| KGDHWN - 50                                                                                              | HAND WHEEL<br>NON RISING<br>STEM | 50  | 50  | 10 BAR | 0°C      | Optional<br>100°C VITON<br>100°C PTFE<br>100°C EPDM | Blade: SS316<br>Body: Cast Iron<br>Stem: SS420             | Non Rising Stem                |
| KGDHWN - 65                                                                                              |                                  | 65  | 65  | 10 BAR | 80°C NBR |                                                     | Shroud: FBE<br>Coated Steel<br>Seats: NBR<br>Packing: PTFE | Bi-Directional<br>Flow         |
| KGDHWN - 80                                                                                              |                                  | 80  | 80  |        |          |                                                     |                                                            |                                |
| KGDHWN - 100                                                                                             |                                  | 100 | 100 |        |          |                                                     |                                                            |                                |
| KGDHWN - 125                                                                                             |                                  | 125 | 125 |        |          |                                                     |                                                            |                                |
| KGDHWN - 150                                                                                             |                                  | 150 | 150 |        |          |                                                     |                                                            |                                |
| KGDHWN - 200                                                                                             |                                  | 200 | 200 |        |          |                                                     |                                                            |                                |
| KGDHWN - 250                                                                                             |                                  | 250 | 250 |        |          |                                                     |                                                            |                                |
| KGDHWN - 300                                                                                             |                                  | 300 | 300 | 10 BAR |          |                                                     |                                                            | Fusion Bonded<br>Epoxy Coating |
| Sizes up to 1000mm available • Bi-Directional • AS2129 Table D/E (STD) • AS4087 PN16 • Optional ANSI 150 |                                  |     |     |        |          |                                                     |                                                            |                                |



Series KGDDAN

Cast Iron  
Double Acting  
Pneumatic

### Double Acting Pneumatic • Cast Iron • Bidirectional

|                                                                                                          |                               |     |     |        |             |               |                                 |                            |
|----------------------------------------------------------------------------------------------------------|-------------------------------|-----|-----|--------|-------------|---------------|---------------------------------|----------------------------|
| KGDDAN - 50                                                                                              | DOUBLE<br>ACTING<br>PNEUMATIC | 50  | 50  | 10 BAR | 0°C         | 6-8 BAR       | Blade: SS316<br>Body: Cast Iron | Double Acting<br>Pneumatic |
| KGDDAN - 65                                                                                              |                               | 65  | 65  | 10 BAR | 80°C NBR    | 6-8 BAR       | Stem: SS420                     | Bi-Directional<br>Flow     |
| KGDDAN - 80                                                                                              |                               | 80  | 80  |        |             |               | Optional                        | Low Torque Hand<br>Wheel   |
| KGDDAN - 100                                                                                             |                               | 100 | 100 |        | 100°C VITON |               | Fusion Bonded<br>Epoxy Coating  |                            |
| KGDDAN - 125                                                                                             |                               | 125 | 125 |        | 100°C PTFE  |               |                                 |                            |
| KGDDAN - 150                                                                                             |                               | 150 | 150 |        | 100°C EPDM  |               |                                 |                            |
| KGDDAN - 200                                                                                             |                               | 200 | 200 | 10 BAR | 6-8 BAR     | Seats: NBR    |                                 |                            |
| KGDDAN - 250                                                                                             |                               | 250 | 250 |        |             | Packing: PTFE |                                 |                            |
| KGDDAN - 300                                                                                             | 300                           | 300 |     |        |             |               |                                 |                            |
| Sizes up to 1000mm available • Bi-Directional • AS2129 Table D/E (STD) • AS4087 PN16 • Optional ANSI 150 |                               |     |     |        |             |               |                                 |                            |



Series KGSHR

SS316  
Manual Hand Wheel

### Manual Hand Wheel ST/ST • Unidirectional

|                                                                                                                         |                           |     |     |        |                         |                                                                                                                      |                                                                       |
|-------------------------------------------------------------------------------------------------------------------------|---------------------------|-----|-----|--------|-------------------------|----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|
| KGSHRN/M - 50                                                                                                           | HAND WHEEL<br>RISING STEM | 50  | 45  | 10 BAR | 0°C                     | Blade: SS316<br>Body: SS316<br>Stem: 2CFI3<br>Shroud: SS304<br>Seats: NBR or Metal<br>Optional: VITON,<br>EPDM, PTFE | Metal or<br>Elastomer Seat<br><br>Fully Lugged<br><br>Uni-Directional |
| KGSHRN/M - 65                                                                                                           |                           | 65  | 60  | 10 BAR | 80°C NBR<br>100°C METAL |                                                                                                                      |                                                                       |
| KGSHRN/M - 80                                                                                                           |                           | 80  | 74  |        |                         |                                                                                                                      |                                                                       |
| KGSHRN/M - 100                                                                                                          |                           | 100 | 93  |        |                         |                                                                                                                      |                                                                       |
| KGSHRN/M - 125                                                                                                          |                           | 125 | 116 |        |                         |                                                                                                                      |                                                                       |
| KGSHRN/M - 150                                                                                                          |                           | 150 | 138 |        |                         |                                                                                                                      |                                                                       |
| KGSHRN/M - 200                                                                                                          |                           | 200 | 188 |        |                         |                                                                                                                      |                                                                       |
| KGSHRN/M - 250                                                                                                          |                           | 250 | 233 |        |                         |                                                                                                                      |                                                                       |
| KGSHRN/M - 300                                                                                                          |                           | 300 | 281 |        |                         |                                                                                                                      |                                                                       |
| KGSHRN/M - 350                                                                                                          |                           | 350 | 330 |        |                         |                                                                                                                      |                                                                       |
| Optional<br>100°C VITON<br>100°C PTFE                                                                                   |                           |     |     |        |                         |                                                                                                                      |                                                                       |
| Sizes up to 1000mm available • N = NBR Seat • M = Metal Seat • AS2129 Table D/E (STD) • AS4087 PN16 • Optional ANSI 150 |                           |     |     |        |                         |                                                                                                                      |                                                                       |



Series KGSDA

SS316  
Double Acting  
Pneumatic

### Double Acting Pneumatic ST/ST • Unidirectional

|                                                                                                                         |                               |     |     |             |                                       |         |                             |                            |                                                |
|-------------------------------------------------------------------------------------------------------------------------|-------------------------------|-----|-----|-------------|---------------------------------------|---------|-----------------------------|----------------------------|------------------------------------------------|
| KGSDAN/M - 50                                                                                                           | DOUBLE<br>ACTING<br>PNEUMATIC | 50  | 45  | 10 BAR      | 0°C                                   | 6-8 BAR | Blade: SS316<br>Body: SS316 | Double Acting<br>Pneumatic |                                                |
| KGSDAN/M - 65                                                                                                           |                               | 65  | 60  | 100°C METAL | Optional<br>100°C VITON<br>100°C PTFE |         | Stem: 2CFI3                 | Fully Lugged               |                                                |
| KGSDAN/M - 80                                                                                                           |                               | 80  | 74  |             |                                       |         | Shroud: SS304               | Seats: NBR or<br>Metal     | Magnetic Piston<br>for Reed Switch<br>Feedback |
| KGSDAN/M - 100                                                                                                          |                               | 100 | 93  |             |                                       |         |                             |                            |                                                |
| KGSDAN/M - 125                                                                                                          |                               | 125 | 116 |             |                                       |         |                             |                            |                                                |
| KGSDAN/M - 150                                                                                                          |                               | 150 | 138 |             |                                       |         |                             |                            |                                                |
| KGSDAN/M - 200                                                                                                          |                               | 200 | 188 |             |                                       |         |                             |                            |                                                |
| KGSDAN/M - 250                                                                                                          |                               | 250 | 233 |             |                                       |         |                             |                            |                                                |
| KGSDAN/M - 300                                                                                                          |                               | 300 | 281 |             |                                       |         |                             |                            |                                                |
| KGSDAN/M - 350                                                                                                          |                               | 350 | 330 |             |                                       |         |                             |                            |                                                |
| Sizes up to 1000mm available • N = NBR Seat • M = Metal Seat • AS2129 Table D/E (STD) • AS4087 PN16 • Optional ANSI 150 |                               |     |     |             |                                       |         |                             |                            |                                                |



Series KGSL

SS316  
Manual Lever

### Manual Lever ST/ST • Unidirectional

|                                                                                                 |                                                                                     |                                     |                                    |                                                                                               |                                                                                                                                                                              |                                                                                                                   |                                                      |
|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------|------------------------------------|-----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|
| KGSLN/M - 50<br>KGSLN/M - 65<br>KGSLN/M - 80<br>KGSLN/M - 100<br>KGSLN/M - 125<br>KGSLN/M - 150 |  | 50<br>65<br>80<br>100<br>125<br>150 | 45<br>60<br>74<br>93<br>116<br>138 | 10 BAR<br> | 0°C<br><br>80°C NBR<br>100°C METAL<br><div>Optional<br/>100°C VITON<br/>100°C PTFE</div> | Blade: SS316<br>Body: SS316<br>Stem: 2CFI3<br>Shroud: SS304<br>Seats: NBR or Metal<br>Optional: VITON, EPDM, PTFE | Metal or Elastomer Seat<br><br>Lugged or Semi-Lugged |
| Sizes up to 1000mm available • N = NBR Seat • M = Metal Seat • AS2129 Table E • AS4087 PN16     |                                                                                     |                                     |                                    |                                                                                               |                                                                                                                                                                              |                                                                                                                   |                                                      |

- Options: Micro Sensors (Electric & Pneumatic), Deflector Cones, Solenoid & Remote Control, Extensions, Electric Control, Chain Drive, ANSI 150 Flange, Higher Pressure.
- Optional Limit Switches. KGM = Mechanical Lever SPDT IP65 (10amp 250v AC/DC) KGR = Magnetic Reed Switch SPST IP65 (10mA max 5-120v AC/DC)

## FLUID / AQUACULTURE Manual Knife Gate Valve • PVC Body - Unidirectional



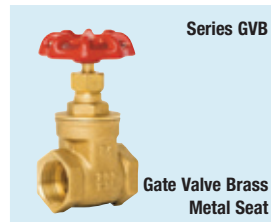
Series KGP

Knife Gate Valve  
PVC Body

|              |                  |                 |     |         |                  |     |                   |                        |  |
|--------------|------------------|-----------------|-----|---------|------------------|-----|-------------------|------------------------|--|
| KGP - 40     | Manual<br>Handle | SOLVENT<br>WELD | 40  | 0       | Ambient          | 50  | UPVC Body         | Aquaculture Irrigation |  |
| KGP - 50     |                  |                 | 50  | 3.5 BAR | Ambient          | 63  | PVC/ABS/SS Gate   | Unidirectional         |  |
| KGP - 80     |                  |                 | 80  |         |                  | 90  | EPDM Seat         |                        |  |
| KGP - 100    |                  |                 | 100 |         |                  | 110 | Solvent Weld Body |                        |  |
| KGP - 150    |                  |                 | 150 |         |                  | 160 |                   |                        |  |
| Solvent Weld |                  | Bore            |     |         | Socket I.D. (mm) |     |                   |                        |  |

## Gate Valves

### AIR / WATER



#### Manual Hand Wheel • Brass Body

| Model                                                                | Actuator                  | Nominal Bore mm                  | Connection                             | Media Pressure       | Media Temperature  | Material of Construction                                      | Features                      |
|----------------------------------------------------------------------|---------------------------|----------------------------------|----------------------------------------|----------------------|--------------------|---------------------------------------------------------------|-------------------------------|
| GVB - 04<br>GVB - 05<br>GVB - 06<br>GVB - 07<br>GVB - 08<br>GVB - 09 | HAND WHEEL<br>RISING STEM | 15<br>20<br>25<br>32<br>40<br>50 | 1/2<br>3/4<br>1<br>1-1/4<br>1-1/2<br>2 | 25 BAR<br><br>25 BAR | -20°C<br><br>120°C | Body: Brass<br>Seat: Metal<br>Gland: PTFE<br>Media: Air/Water | Economical<br>Isolation Valve |

### AIR / WATER / STEAM



#### Manual Hand Wheel • SS316 Body

| Model                                                                | Actuator                  | Nominal Bore mm                  | Connection                             | Media Pressure                               | Media Temperature  | Material of Construction                                            | Features                                            |
|----------------------------------------------------------------------|---------------------------|----------------------------------|----------------------------------------|----------------------------------------------|--------------------|---------------------------------------------------------------------|-----------------------------------------------------|
| GVS - 04<br>GVS - 05<br>GVS - 06<br>GVS - 07<br>GVS - 08<br>GVS - 09 | HAND WHEEL<br>RISING STEM | 15<br>20<br>25<br>32<br>40<br>50 | 1/2<br>3/4<br>1<br>1-1/4<br>1-1/2<br>2 | 13 BAR<br>AIR / WATER<br><br>10 BAR<br>STEAM | -20°C<br><br>180°C | Body: SS316<br>Seat: Metal<br>Gland: PTFE<br>Media: Air/Water/Steam | Compact<br>Economical<br><br>Corrosion<br>Resistant |

### WATER / FLUIDS



#### Manual Hand Wheel • Ductile Iron Body • Table D/E

| Model                                                                                                                                                                                        | Actuator                                         | Nominal Bore mm                                                                                    | Connection                   | Media Pressure                               | Media Temperature                         | Material of Construction                                                                                                                                                                                                                       | Features  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|----------------------------------------------------------------------------------------------------|------------------------------|----------------------------------------------|-------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| GVC - 50<br>GVC - 65<br>GVC - 80<br>GVC - 100<br>GVC - 125<br>GVC - 150<br>GVC - 200<br>GVC - 250<br>GVC - 300<br>GVC - 350<br>GVC - 375<br>GVC - 400<br>GVC - 450<br>GVC - 500<br>GVC - 600 | MANUAL<br>HAND<br>WHEEL<br>NON<br>RISING<br>STEM | 50<br>65<br>80<br>100<br>125<br>150<br>200<br>250<br>300<br>350<br>375<br>400<br>450<br>500<br>600 | RF<br>FLANGED<br>AS 4087 135 | 16 BAR<br><br><br><br><br><br><br><br>16 BAR | -20°C<br><br><br><br><br><br><br><br>80°C | Body: Ductile Iron<br>Jotun Powder Coated<br>Wedge: EPDM Coated<br>Ductile Iron<br>Stem: Stainless Steel<br>Bonnet: Ductile Iron<br>Bush: Bronze<br>Coating: R4-ES FBE<br>Design AS 2638.2-2006<br>End Flange<br>AS4087 PN16<br>AS2129 Table E | CE<br>TUV |

Optional • Metal Seat • Key Cap

### WATER / FLUIDS



#### Manual Hand Wheel • Rising Stem • Ductile Iron Body • Table D/E

| Model                                                                                                                   | Actuator                                  | Nominal Bore mm                                          | Connection                   | Media Pressure                           | Media Temperature                     | Material of Construction                                                                                                                                                                                                                       | Features                                                                                  |
|-------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------------------------------|------------------------------|------------------------------------------|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| GVCR - 50<br>GVCR - 65<br>GVCR - 80<br>GVCR - 100<br>GVCR - 125<br>GVCR - 150<br>GVCR - 200<br>GVCR - 250<br>GVCR - 300 | MANUAL<br>HAND<br>WHEEL<br>RISING<br>STEM | 50<br>65<br>80<br>100<br>125<br>150<br>200<br>250<br>300 | RF<br>FLANGED<br>AS 4087 135 | 16 BAR<br><br><br><br><br><br><br>16 BAR | -20°C<br><br><br><br><br><br><br>80°C | Body: Ductile Iron<br>Jotun Powder Coated<br>Wedge: EPDM Coated<br>Ductile Iron<br>Stem: Stainless Steel<br>Bonnet: Ductile Iron<br>Bush: Bronze<br>Coating: R4-ES FBE<br>Design AS 2638.2-2006<br>End Flange<br>AS4087 PN16<br>AS2129 Table E | Rising Stem gives<br>visual Open/Close<br>indication for Fire<br>Systems<br><br>CE<br>TUV |

### WATER / FLUIDS



#### Manual Hand Wheel • Rising Stem • Carbon Steel Body • ANSI 150

| Model                                                                                                                                               | Actuator                                  | Nominal Bore mm                                                        | Connection                | Media Pressure                           | Media Temperature                      | Material of Construction                                                                                                                                          | Features                                                              |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|------------------------------------------------------------------------|---------------------------|------------------------------------------|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|
| GVWR - 50<br>GVWR - 65<br>GVWR - 80<br>GVWR - 100<br>GVWR - 125<br>GVWR - 150<br>GVWR - 200<br>GVWR - 250<br>GVWR - 300<br>GVWR - 350<br>GVWR - 400 | MANUAL<br>HAND<br>WHEEL<br>RISING<br>STEM | 50<br>65<br>80<br>100<br>125<br>150<br>200<br>250<br>300<br>350<br>400 | RF<br>FLANGED<br>ANSI 150 | 20 BAR<br><br><br><br><br><br><br>20 BAR | -20°C<br><br><br><br><br><br><br>200°C | Body: WCB (Carbon Steel)<br>Wedge: Cast Steel<br>Stem: F6A<br>Packing: Graphite<br>Coating: High Temperature<br>Silver Primer<br>Design: API 600<br>Test: API 598 | Rising Stem gives<br>visual Open/Close<br>indication<br><br>CE<br>TUV |

## Globe Valve

### AIR / FLUID / STEAM



| Model                                                                | Actuator                                  | Nominal Bore mm                  | Connection                                    | Media Pressure               | Media Temperature          | Material of Construction                         | Features                                                            |
|----------------------------------------------------------------------|-------------------------------------------|----------------------------------|-----------------------------------------------|------------------------------|----------------------------|--------------------------------------------------|---------------------------------------------------------------------|
| GLS - 04<br>GLS - 05<br>GLS - 06<br>GLS - 07<br>GLS - 08<br>GLS - 09 | MANUAL<br>HAND<br>WHEEL<br>RISING<br>STEM | 15<br>20<br>25<br>32<br>40<br>50 | 1/2<br>3/4<br>1<br>1-1/4<br>1-1/2<br>2<br>BSP | 13 BAR<br><br><br><br>13 BAR | -20°C<br><br><br><br>180°C | Body: CF8M/SS316<br>Seat: SS316<br>Packing: PTFE | Designed to ANSI B16.34<br>Threads to BS21/2779<br>Tested to API598 |

### AIR / FLUID / STEAM



### Manual Hand Wheel • ANSI 150 • Carbon Steel

|                                                                                                                         |                                           |                                                          |          |                              |                            |                                                                                                    |                                                                                                                |
|-------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------------------------------|----------|------------------------------|----------------------------|----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| GLOW - 50<br>GLOW - 65<br>GLOW - 80<br>GLOW - 100<br>GLOW - 125<br>GLOW - 150<br>GLOW - 200<br>GLOW - 250<br>GLOW - 300 | MANUAL<br>HAND<br>WHEEL<br>RISING<br>STEM | 50<br>65<br>80<br>100<br>125<br>150<br>200<br>250<br>300 | ANSI 150 | 20 BAR<br><br><br><br>20 BAR | -20°C<br><br><br><br>260°C | Body: WCB (Carbon Steel)<br>Seat: Stellite<br>Packing: Flexible Graphite<br>Optional: Bellows Seal | Stellite A105 + 13Ce<br>Designed to ANSI B16.34<br>ANSI B16.10<br>Flanged Entry ANSI B16.5<br>Tested to API598 |
|-------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------------------------------|----------|------------------------------|----------------------------|----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|

### FLOW CONTROL



### Needle Valve - SS316

|                                                          |                     |                       |                                      |         |       |                              |                         |
|----------------------------------------------------------|---------------------|-----------------------|--------------------------------------|---------|-------|------------------------------|-------------------------|
| NVS - 02<br>NVS - 03<br>NVS - 04<br>NVS - 05<br>NVS - 06 | MANUAL TEE<br>LEVER | 5<br>5<br>5<br>7<br>9 | 1/4<br>3/8<br>1/2<br>3/4<br>1<br>BSP | 408 BAR | 180°C | Body: SS316<br>Packing: PTFE | Fine Adjustment of Flow |
|----------------------------------------------------------|---------------------|-----------------------|--------------------------------------|---------|-------|------------------------------|-------------------------|

### AIR / FLUID / STEAM



### Angle Seat Valve - SS316 • On/Off Control • Normally Closed

|                                                                                                                     |                                            |                                        |                                                      |                                                                                 |                            |                                             |                                                                               |
|---------------------------------------------------------------------------------------------------------------------|--------------------------------------------|----------------------------------------|------------------------------------------------------|---------------------------------------------------------------------------------|----------------------------|---------------------------------------------|-------------------------------------------------------------------------------|
| AS5 - 03 - SR<br>AS5 - 04 - SR<br>AS5 - 05 - SR<br>AS5 - 06 - SR<br>AS5 - 07 - SR<br>AS5 - 08 - SR<br>AS5 - 09 - SR | PNEUMATIC<br>ACTUATING<br>SPRING<br>CLOSED | 13<br>13<br>18<br>24<br>31<br>35<br>45 | 3/8<br>1/2<br>3/4<br>1<br>1-1/4<br>1-1/2<br>2<br>BSP | Over Seat<br>16 BAR<br>16 BAR<br>16 BAR<br>16 BAR<br>16 BAR<br>16 BAR<br>16 BAR | -10°C<br><br><br><br>180°C | Body & Actuator: SS316<br>Packing: PTFE FKM | Compact Design<br>Single Acting (Spring return)<br>Optional:<br>Double Acting |
|---------------------------------------------------------------------------------------------------------------------|--------------------------------------------|----------------------------------------|------------------------------------------------------|---------------------------------------------------------------------------------|----------------------------|---------------------------------------------|-------------------------------------------------------------------------------|

Optional Proximity Switch • DA Actuator • Tri-Clover Clamps

### AIR / FLUID / STEAM



### In-Line Check Valve • 2 Piece • SS316

|                                                                      |                  |                                  |                                               |                              |                            |                                                 |                                        |
|----------------------------------------------------------------------|------------------|----------------------------------|-----------------------------------------------|------------------------------|----------------------------|-------------------------------------------------|----------------------------------------|
| ICS - 04<br>ICS - 05<br>ICS - 06<br>ICS - 07<br>ICS - 08<br>ICS - 09 | IN-LINE<br>CHECK | 15<br>20<br>25<br>32<br>40<br>50 | 1/2<br>3/4<br>1<br>1-1/4<br>1-1/2<br>2<br>BSP | 54 BAR<br><br><br><br>54 BAR | -20°C<br><br><br><br>180°C | Body: CF8M/SS316<br>Seat: SS316<br>Gasket: PTFE | Design to ANSI B16.34<br>Test API 1598 |
|----------------------------------------------------------------------|------------------|----------------------------------|-----------------------------------------------|------------------------------|----------------------------|-------------------------------------------------|----------------------------------------|

### AIR / FLUID / STEAM



### In-Line Check Valve • 3 Piece • SS316

|                                                                            |                  |                                  |                                               |                              |                            |                                                 |                                        |
|----------------------------------------------------------------------------|------------------|----------------------------------|-----------------------------------------------|------------------------------|----------------------------|-------------------------------------------------|----------------------------------------|
| ICS3 - 04<br>ICS3 - 05<br>ICS3 - 06<br>ICS3 - 07<br>ICS3 - 08<br>ICS3 - 09 | IN-LINE<br>CHECK | 15<br>20<br>25<br>32<br>40<br>50 | 1/2<br>3/4<br>1<br>1-1/4<br>1-1/2<br>2<br>BSP | 54 BAR<br><br><br><br>54 BAR | -20°C<br><br><br><br>180°C | Body: CF8M/SS316<br>Seat: SS316<br>Gasket: PTFE | Design to ANSI B16.34<br>Test API 1598 |
|----------------------------------------------------------------------------|------------------|----------------------------------|-----------------------------------------------|------------------------------|----------------------------|-------------------------------------------------|----------------------------------------|

## Check Valves

**Duo Check Valve • Cast Iron - WAFER**  
**Swing Check Valve • SS316 - WAFER**  
**Swing Check Valve • Cast Steel - ANSI 150**

### Check Valve

#### AIR / WATER



#### Wafer DMO Check • Cast Iron

| Model                                                                                                                   | Connection                     | Bore<br>Nominal<br>Orifice                               | Nominal<br>Cracking<br>Pressure                         | Media<br>Pressure                     | Media<br>Temperature | Material<br>of<br>Construction | Features                                                                                                                                                                                                                 |
|-------------------------------------------------------------------------------------------------------------------------|--------------------------------|----------------------------------------------------------|---------------------------------------------------------|---------------------------------------|----------------------|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DCVC - 50<br>DCVC - 65<br>DCVC - 80<br>DCVC - 100<br>DCVC - 125<br>DCVC - 150<br>DCVC - 200<br>DCVC - 250<br>DCVC - 300 | WAFFER<br>Fits most<br>Flanges | 50<br>65<br>80<br>100<br>125<br>150<br>200<br>250<br>300 | 40<br>60<br>70<br>88<br>115<br>134<br>182<br>220<br>260 | 0.1 BAR<br>Depending<br>on Valve Size | 16 BAR<br><br>16 BAR | -10°C<br><br>80°C NBR          | Body: Cast Iron<br>Disc: SS316<br>Coating: FBE<br>Seat: NBR or EPDM<br>Reduced Flow<br>Also available up to<br>600mm<br>Wafer Design<br>Twin Disc to give<br>greater opening<br>AS 2128 TD/E<br>ANSI-150<br>PN10<br>PN16 |

#### FLUID / PETROCHEMICAL Wafer Swing Check • SS316



| Model                                                                                                                   | Connection                     | Bore<br>Nominal<br>Orifice                               | Nominal<br>Cracking<br>Pressure                        | Media<br>Pressure                     | Media<br>Temperature | Material<br>of<br>Construction | Features                                                                                                                                                                                                          |
|-------------------------------------------------------------------------------------------------------------------------|--------------------------------|----------------------------------------------------------|--------------------------------------------------------|---------------------------------------|----------------------|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SCVS - 50<br>SCVS - 65<br>SCVS - 80<br>SCVS - 100<br>SCVS - 125<br>SCVS - 150<br>SCVS - 200<br>SCVS - 250<br>SCVS - 300 | WAFFER<br>Fits most<br>Flanges | 50<br>65<br>80<br>100<br>125<br>150<br>200<br>250<br>300 | 32<br>40<br>54<br>70<br>92<br>112<br>154<br>192<br>227 | 0.1 BAR<br>Depending<br>on Valve Size | 16 BAR<br><br>16 BAR | -20°C<br><br>100°C             | Body: SS316<br>Disc: SS316<br>Pins: SS316<br>Seat: Viton (FKM) or NBR<br>Reduced Flow<br>Also available up to<br>600mm<br>Wafer Design<br>Fits in horizontal<br>pipe. AS 2125<br>TD/E<br>ANSI-150<br>PN10<br>PN16 |

#### FLUID / PETROCHEMICAL Flanged Swing Check • Full Bore • WCB or CF8M (316SS)



| Model                                                                                                      | Connection | Bore<br>Nominal<br>Orifice                         | Nominal<br>Cracking<br>Pressure       | Media<br>Pressure    | Media<br>Temperature | Material<br>of<br>Construction                                                                       | Features                                                                                       |
|------------------------------------------------------------------------------------------------------------|------------|----------------------------------------------------|---------------------------------------|----------------------|----------------------|------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| SCFW - 50<br>SCFW - 80<br>SCFW - 100<br>SCFW - 125<br>SCFW - 150<br>SCFW - 200<br>SCFW - 250<br>SCFW - 300 | ANSI 150   | 50<br>80<br>100<br>125<br>150<br>200<br>250<br>300 | 0.1 BAR<br>Depending<br>on Valve Size | 20 BAR<br><br>20 BAR | 0°C<br><br>200°C     | Body: WCB (Carbon Steel)<br>or SS316<br>Disc: WCB or CF8M<br>Coating: FBE<br>For 316SS change W to S | Full Bore<br>Check Valve<br>Design: BS1868<br>Flange: ANSI 150<br>AS4087 PN16<br>Test: API 598 |

#### AIR / WATER



#### Resilient Seated Flex Check • Full Bore • AS4087 • Table D/E • PN16 • Ductile Iron

| Model                                                                                                                   | Connection        | Bore<br>Nominal<br>Orifice                               | Nominal<br>Cracking<br>Pressure       | Media<br>Pressure    | Media<br>Temperature | Material<br>of<br>Construction                                                                | Features                                                                                  |
|-------------------------------------------------------------------------------------------------------------------------|-------------------|----------------------------------------------------------|---------------------------------------|----------------------|----------------------|-----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| FCVC - 50<br>FCVC - 65<br>FCVC - 80<br>FCVC - 100<br>FCVC - 125<br>FCVC - 150<br>FCVC - 200<br>FCVC - 250<br>FCVC - 300 | PN16<br>TABLE D/E | 50<br>65<br>80<br>100<br>125<br>150<br>200<br>250<br>300 | 0.1 BAR<br>Depending<br>on Valve Size | 16 BAR<br><br>16 BAR | -20°C<br><br>80°C    | Body: Ductile Iron<br>Disc: Ductile Iron with<br>EPDM Bonding<br>Hinge: SS316<br>Coating: FBE | Full Bore Flapper<br>Type Design<br>Flange: AS2129<br>D/E<br>AS4087 PN16<br>Test: API 598 |

#### AIR / WATER / STEAM



#### Piston Check • SS316

| Model                                                                | Connection                                 | Bore<br>Nominal<br>Orifice       | Nominal<br>Cracking<br>Pressure | Media<br>Pressure | Media<br>Temperature | Material<br>of<br>Construction | Features                                          |
|----------------------------------------------------------------------|--------------------------------------------|----------------------------------|---------------------------------|-------------------|----------------------|--------------------------------|---------------------------------------------------|
| PCS - 04<br>PCS - 05<br>PCS - 06<br>PCS - 07<br>PCS - 08<br>PCS - 09 | 1/2<br>3/4<br>1<br>1-1/4<br>1-1/2<br>2 BSP | 15<br>20<br>25<br>32<br>40<br>50 | 0.3 BAR                         | 800 PSI<br>54 BAR | -10°C<br><br>180°C   | 316 St/St<br>PTFE Seat         | One Way Flow<br>Can be mounted<br>in any attitude |

#### AIR / WATER



#### Swing Check • SS316

| Model                                                                | Connection                                 | Bore<br>Nominal<br>Orifice       | Nominal<br>Cracking<br>Pressure | Media<br>Pressure | Media<br>Temperature | Material<br>of<br>Construction   | Features                                          |
|----------------------------------------------------------------------|--------------------------------------------|----------------------------------|---------------------------------|-------------------|----------------------|----------------------------------|---------------------------------------------------|
| SCS - 04<br>SCS - 05<br>SCS - 06<br>SCS - 07<br>SCS - 08<br>SCS - 09 | 1/2<br>3/4<br>1<br>1-1/4<br>1-1/2<br>2 BSP | 15<br>20<br>25<br>32<br>40<br>50 | 0.3 BAR                         | 200 PSI<br>13 BAR | -20°C<br><br>200°C   | 316 St/St<br>Metal to Metal Seat | One Way Flow<br>Not suitable for<br>downward flow |

#### AIR / WATER



#### Piston Check • Brass

| Model                                                                      | Connection                                 | Bore<br>Nominal<br>Orifice       | Nominal<br>Cracking<br>Pressure | Media<br>Pressure    | Media<br>Temperature | Material<br>of<br>Construction | Features                                        |
|----------------------------------------------------------------------------|--------------------------------------------|----------------------------------|---------------------------------|----------------------|----------------------|--------------------------------|-------------------------------------------------|
| PCBN - 04<br>PCBN - 05<br>PCBN - 06<br>PCBN - 07<br>PCBN - 08<br>PCBN - 09 | 1/2<br>3/4<br>1<br>1-1/4<br>1-1/2<br>2 BSP | 15<br>20<br>25<br>32<br>40<br>50 | 0.1 BAR                         | 16 BAR<br><br>16 BAR | -0°C<br><br>80°C     | Body: Brass<br>Seat: NBR       | Economical<br>Can be mounted<br>in any attitude |

#### AIR / WATER



#### Swing Check • Brass

| Model                                                                | Connection                                 | Bore<br>Nominal<br>Orifice       | Nominal<br>Cracking<br>Pressure | Media<br>Pressure    | Media<br>Temperature | Material<br>of<br>Construction | Features                                        |
|----------------------------------------------------------------------|--------------------------------------------|----------------------------------|---------------------------------|----------------------|----------------------|--------------------------------|-------------------------------------------------|
| SCB - 04<br>SCB - 05<br>SCB - 06<br>SCB - 07<br>SCB - 08<br>SCB - 09 | 1/2<br>3/4<br>1<br>1-1/4<br>1-1/2<br>2 BSP | 15<br>20<br>25<br>32<br>40<br>50 | 0.1 BAR                         | 16 BAR<br><br>16 BAR | -20°C<br><br>80°C    | Body: Brass<br>Seat: NBR       | Economical<br>Not suitable for<br>downward flow |



## Check Valve Reinforced Rubber

## WATER / EFFLUENT



## Ball Check Valve Ductile Iron

| Model                                                                                                          | Flange                                                                                                                            | Nominal Bore mm                                          | Nominal Cracking Pressure - Water                                         | Maximum Back Pressure - Water                                 | Media Temperature                                         | Material of Construction                                                                | Features                                                            |
|----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------------------------|---------------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------------------------------------|---------------------------------------------------------------------|
| <b>Backflow Prevention • Ball Check Valve</b>                                                                  |                                                                                                                                   |                                                          |                                                                           |                                                               |                                                           |                                                                                         |                                                                     |
| BCV - 50<br>BCV - 65<br>BCV - 80<br>BCV - 100<br>BCV - 125<br>BCV - 150<br>BCV - 200<br>BCV - 250<br>BCV - 300 | <div> <div>↑</div> <div>AS4087</div> <div>PN16</div> <div>AS2129</div> <div>TABLE D/E</div> <div>FLANGE</div> <div>↓</div> </div> | 50<br>65<br>80<br>100<br>125<br>150<br>200<br>250<br>300 | <div> <div>0.3 - 16 BAR</div> <div>↓</div> <div>0.3 - 16 BAR</div> </div> | <div> <div>16 BAR</div> <div>↓</div> <div>16 BAR</div> </div> | <div> <div>10°C</div> <div>↓</div> <div>80°C</div> </div> | Body: Ductile Iron<br><br>Coating: FBE<br><br>Ball: Steel & NBR<br><br>Fastening: SS304 | Self Cleaning<br><br>Threaded and Flanged<br><br>Self cleaning seat |
| Also Available up to 600mm                                                                                     |                                                                                                                                   |                                                          |                                                                           |                                                               |                                                           |                                                                                         |                                                                     |

## WATER / EFFLUENT



**Braided Neoprene  
SS Backing Ring**

| Backflow Prevention • External Flanged Duck Bill Valve |                                                                                                       |      |                             |          |      |                                                                                                                               |                                                                                                     |
|--------------------------------------------------------|-------------------------------------------------------------------------------------------------------|------|-----------------------------|----------|------|-------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| DBFS - 50                                              | <div>AS4087 PN16<br/>AS2129<br/>TABLE D/E<br/>STANDARD<br/><br/>JIS, ANSI,<br/>DIN<br/>OPTIONAL</div> | 50   | <div>25-50mm<br/>HEAD</div> | Up to 2m | 0°C  | Outer: Fabric Braided<br>Neoprene<br><br>Backing Ring: Stainless<br>Steel<br><br>Sizes Customised to<br>Customer Requirements | Low Head Loss<br><br>Reliable Backflow<br>Prevention<br><br>Corrosion<br>Resistant<br><br>UV Stable |
| DBFS - 80                                              |                                                                                                       | 80   |                             |          |      |                                                                                                                               |                                                                                                     |
| DBFS - 100                                             |                                                                                                       | 100  |                             |          |      |                                                                                                                               |                                                                                                     |
| DBFS - 150                                             |                                                                                                       | 150  |                             |          |      |                                                                                                                               |                                                                                                     |
| DBFS - 200                                             |                                                                                                       | 200  |                             |          |      |                                                                                                                               |                                                                                                     |
| DBFS - 250                                             |                                                                                                       | 250  |                             |          |      |                                                                                                                               |                                                                                                     |
| DBFS - 300                                             |                                                                                                       | 300  |                             |          |      |                                                                                                                               |                                                                                                     |
| DBFS - 350                                             |                                                                                                       | 350  |                             |          |      |                                                                                                                               |                                                                                                     |
| DBFS - 400                                             |                                                                                                       | 400  |                             |          |      |                                                                                                                               |                                                                                                     |
| DBFS - 450                                             |                                                                                                       | 450  |                             |          |      |                                                                                                                               |                                                                                                     |
| DBFS - 500                                             |                                                                                                       | 500  |                             |          |      |                                                                                                                               |                                                                                                     |
| DBFS - 600                                             |                                                                                                       | 600  |                             |          |      |                                                                                                                               |                                                                                                     |
| DBFS - 700                                             |                                                                                                       | 700  |                             |          |      |                                                                                                                               |                                                                                                     |
| DBFS - 800                                             |                                                                                                       | 800  |                             |          |      |                                                                                                                               |                                                                                                     |
| DBFS - 900                                             |                                                                                                       | 900  |                             |          |      |                                                                                                                               |                                                                                                     |
| DBFS - 1000                                            |                                                                                                       | 1000 |                             |          |      |                                                                                                                               |                                                                                                     |
| DBFS - 1100                                            |                                                                                                       | 1100 |                             |          |      |                                                                                                                               |                                                                                                     |
| DBFS - 1200                                            |                                                                                                       | 1200 |                             |          |      |                                                                                                                               |                                                                                                     |
| DBFS - 1400                                            |                                                                                                       | 1400 |                             |          |      |                                                                                                                               |                                                                                                     |
| DBFS - 1500                                            |                                                                                                       | 1500 |                             |          |      |                                                                                                                               |                                                                                                     |
| DBFS - 1600                                            | 1600                                                                                                  |      |                             |          |      |                                                                                                                               |                                                                                                     |
| DBFS - 1800                                            | 1800                                                                                                  |      |                             |          |      |                                                                                                                               |                                                                                                     |
| DBFS - 2000                                            | 2000                                                                                                  |      |                             |          |      |                                                                                                                               |                                                                                                     |
|                                                        |                                                                                                       |      |                             | Up to 1m | 60°C |                                                                                                                               |                                                                                                     |

## WATER / EFFLUENT



### Braided Neoprene SS Clamping Ring

|             |                                                                                   |      |                 |          |      |                                                                                                                                 |                                                                                                     |
|-------------|-----------------------------------------------------------------------------------|------|-----------------|----------|------|---------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| DBSS - 50   | Pipe outside<br>Diameter<br>(O.D.) must<br>be specified<br>at time of<br>ordering | 50   | 25-50mm<br>HEAD | Up to 2m | 0°C  | Outer: Fabric Braided<br>Neoprene<br><br>Clamping Rings: Stainless<br>Steel<br><br>Sizes Customised to<br>Customer Requirements | Low Head Loss<br><br>Reliable Backflow<br>Prevention<br><br>Corrosion<br>Resistant<br><br>UV Stable |
| DBSS - 80   |                                                                                   | 80   |                 |          |      |                                                                                                                                 |                                                                                                     |
| DBSS - 100  |                                                                                   | 100  |                 |          |      |                                                                                                                                 |                                                                                                     |
| DBSS - 150  |                                                                                   | 150  |                 |          |      |                                                                                                                                 |                                                                                                     |
| DBSS - 200  |                                                                                   | 200  |                 |          |      |                                                                                                                                 |                                                                                                     |
| DBSS - 250  |                                                                                   | 250  |                 |          |      |                                                                                                                                 |                                                                                                     |
| DBSS - 300  |                                                                                   | 300  |                 |          |      |                                                                                                                                 |                                                                                                     |
| DBSS - 350  |                                                                                   | 350  |                 |          |      |                                                                                                                                 |                                                                                                     |
| DBSS - 400  |                                                                                   | 400  |                 |          |      |                                                                                                                                 |                                                                                                     |
| DBSS - 450  |                                                                                   | 450  |                 |          |      |                                                                                                                                 |                                                                                                     |
| DBSS - 500  |                                                                                   | 500  |                 | Up to 1m | 60°C |                                                                                                                                 |                                                                                                     |
| DBSS - 600  |                                                                                   | 600  |                 |          |      |                                                                                                                                 |                                                                                                     |
| DBSS - 700  |                                                                                   | 700  |                 |          |      |                                                                                                                                 |                                                                                                     |
| DBSS - 800  |                                                                                   | 800  |                 |          |      |                                                                                                                                 |                                                                                                     |
| DBSS - 900  |                                                                                   | 900  |                 |          |      |                                                                                                                                 |                                                                                                     |
| DBSS - 1000 |                                                                                   | 1000 |                 |          |      |                                                                                                                                 |                                                                                                     |
| DBSS - 1100 |                                                                                   | 1100 |                 |          |      |                                                                                                                                 |                                                                                                     |
| DBSS - 1200 |                                                                                   | 1200 |                 |          |      |                                                                                                                                 |                                                                                                     |
| DBSS - 1400 |                                                                                   | 1400 |                 |          |      |                                                                                                                                 |                                                                                                     |
| DBSS - 1500 |                                                                                   | 1500 |                 |          |      |                                                                                                                                 |                                                                                                     |
| DBSS - 1600 | 1600                                                                              |      |                 |          |      |                                                                                                                                 |                                                                                                     |
| DBSS - 1800 | 1800                                                                              |      |                 |          |      |                                                                                                                                 |                                                                                                     |
| DBSS - 2000 | 2000                                                                              |      |                 |          |      |                                                                                                                                 |                                                                                                     |

## WATER / EFFLUENT



### Nylon Body BSP

| Backflow Prevention • Threaded BSP • Mini Duck Bill Valve |              |         |         |           |             |              |                                                                      |
|-----------------------------------------------------------|--------------|---------|---------|-----------|-------------|--------------|----------------------------------------------------------------------|
|                                                           | Threaded BSP | Bore mm | Media   | Back Flow | Temperature |              |                                                                      |
| AP - 6418                                                 | 1/4"         | 6       | 3.5 BAR | 0.5 BAR   | 0°C         | Housing:     | Air, Fluid & Dry Flowables.<br>Viscos Fluid<br>Slurry Sludge Service |
| AP - 6424                                                 | 3/8"         | 10      | 4.0 BAR | 0.5 BAR   | 1           | G.R.Nylon    |                                                                      |
| AP - 6759                                                 | 1-1/4"       | 25      | 4.0 BAR | 0.5 BAR   | 60°C        | Sleeve: EPDM |                                                                      |

**Used for flood mitigation and backflow prevention of contaminated fluids**

\* Specify flange table and pipe OD at time of ordering

## Check Valve Reinforced Rubber

## WATER / EFFLUENT



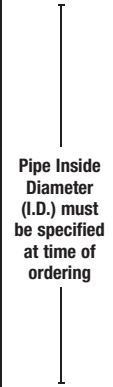
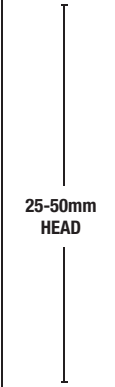
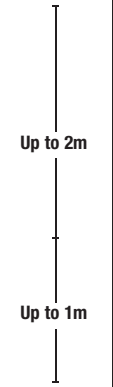
**Braided Neoprene Outer**

| Model                                                    | Flange                                                                              | Nominal Bore mm | Nominal Cracking Pressure - Water | Maximum Back Pressure - Water | Media Temperature | Material of Construction                  | Features                |
|----------------------------------------------------------|-------------------------------------------------------------------------------------|-----------------|-----------------------------------|-------------------------------|-------------------|-------------------------------------------|-------------------------|
| Backflow Prevention • Insertable Flanged Duck Bill Valve |                                                                                     |                 |                                   |                               |                   |                                           |                         |
| DBIF - 100                                               | AS4087 PN16<br>AS2129<br>TABLE D/E<br>STANDARD<br><br>JIS, ANSI,<br>DIN<br>OPTIONAL | 100             | 25-50mm<br>HEAD                   | Up to 2m                      | 0°C               | Outer: Fabric Braided Neoprene            | Low Head Loss           |
| DBIF - 125                                               |                                                                                     | 125             |                                   |                               |                   | Reliable Backflow Prevention              |                         |
| DBIF - 150                                               |                                                                                     | 150             |                                   |                               |                   |                                           |                         |
| DBIF - 200                                               |                                                                                     | 200             |                                   |                               |                   |                                           |                         |
| DBIF - 250                                               |                                                                                     | 250             |                                   |                               |                   |                                           | Lining: Pure Gum Rubber |
| DBIF - 300                                               |                                                                                     | 300             |                                   |                               |                   |                                           |                         |
| DBIF - 350                                               |                                                                                     | 350             |                                   |                               |                   |                                           |                         |
| DBIF - 400                                               |                                                                                     | 400             |                                   |                               |                   |                                           |                         |
| DBIF - 500                                               |                                                                                     | 500             |                                   |                               |                   | Sizes Customised to Customer Requirements |                         |
| DBIF - 600                                               |                                                                                     | 600             |                                   |                               |                   |                                           |                         |
| DBIF - 700                                               |                                                                                     | 700             |                                   |                               |                   |                                           |                         |
| DBIF - 800                                               |                                                                                     | 800             |                                   |                               |                   |                                           |                         |
| DBIF - 900                                               |                                                                                     | 900             |                                   |                               |                   |                                           |                         |
| DBIF - 1050                                              |                                                                                     | 1050            |                                   |                               |                   |                                           |                         |
| DBIF - 1200                                              |                                                                                     | 1200            |                                   |                               |                   |                                           |                         |
| DBIF - 1350                                              |                                                                                     | 1350            |                                   |                               |                   |                                           |                         |
| DBIF - 1500                                              | 1500                                                                                | Up to 1m        |                                   |                               |                   |                                           |                         |
| DBIF - 1800                                              | 1800                                                                                |                 | 60°C                              |                               |                   |                                           |                         |

## WATER / EFFLUENT

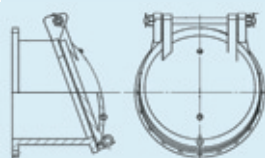


### Braided Neoprene Outer

| Backflow Prevention • Insertable Clamp Duck Bill Valve                                                                                                                                                                                                        |                                                                                                                                                             |                                                                                                                                 |                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |  |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|
| DBIS - 100<br>DBIS - 125<br>DBIS - 150<br>DBIS - 200<br>DBIS - 250<br>DBIS - 300<br>DBIS - 350<br>DBIS - 400<br>DBIS - 500<br>DBIS - 600<br>DBIS - 700<br>DBIS - 800<br>DBIS - 900<br>DBIS - 1050<br>DBIS - 1200<br>DBIS - 1350<br>DBIS - 1500<br>DBIS - 1800 |  <p>Pipe Inside Diameter (I.D.) must be specified at time of ordering</p> | 100<br>125<br>150<br>200<br>250<br>300<br>350<br>400<br>500<br>600<br>700<br>800<br>900<br>1050<br>1200<br>1350<br>1500<br>1800 |  <p>25-50mm HEAD</p> |  <p>Up to 2m<br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/>&lt;</p> |  |  |  |  |

\* Specify flange table and pipe ID at time of ordering

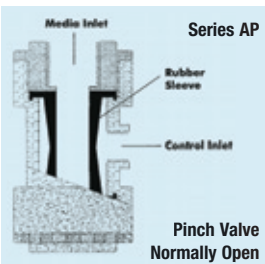
## WATER / EFFLUENT



## Backflow Prevention

|                                           |                      |                         |                                                   |                                   |            |                                                          |                                       |
|-------------------------------------------|----------------------|-------------------------|---------------------------------------------------|-----------------------------------|------------|----------------------------------------------------------|---------------------------------------|
| FLAP - HXL - DIA                          | Mounting as required | Height and Length T.B.A | 50mm Head Cracking Pressure - Depending Upon Size | Up to 2m Head Depending Upon Size | 0°C - 60°C | Body: HDPE<br>Gate: HDPE<br>Gasket: EPDM<br>Shaft: SS316 | High Flow                             |
| Sizes customised to suit requirements     |                      | Diameter T.B.A.         |                                                   |                                   |            | Body: FRP<br>Disc: FRP<br>Seal: EPDM<br>Shaft: SS316     | Low Head Loss                         |
| Sizes Customised to Customer Requirements |                      |                         |                                                   |                                   |            | Other Materials Optional<br>Dimensions Up To 4000mm      | Corrosion Resistant<br><br>Economical |

## FLUID / SLURRY



### Pinch Valve - Plastic • Air Pilot Control

|                                                  |      |       |         |       |       |                                                                  |                                                   |                                                                            |
|--------------------------------------------------|------|-------|---------|-------|-------|------------------------------------------------------------------|---------------------------------------------------|----------------------------------------------------------------------------|
| STANDARD                                         |      | BSP   | Bore MM | Media | Pilot | Contact<br>Process<br>Systems for<br>individual<br>sleeve specs. | Housing:<br>G.R Nylon                             | Air, Fluid & Dry<br>Flowables.<br>Viscos Fluid<br>Slurry Sludge<br>Service |
| AP - 6331                                        | N.O. | 1/4   | 6       | 3.4   | 5.5   |                                                                  | Sleeve:<br>NBR (STD)<br>EPDM<br>Viton<br>Silicone | No Blockage. Full<br>Flow.<br><br>Air pilot operated                       |
| AP - 6291                                        |      | 3/8   | 8       | 4     | 6     |                                                                  |                                                   |                                                                            |
| AP - 6222                                        |      | 3/4   | 16      | 4     | 6     |                                                                  |                                                   |                                                                            |
| AP - 6206                                        |      | 1 1/4 | 32      | 4     | 6     |                                                                  |                                                   |                                                                            |
| AP - 6603                                        | N.O. | 2     | 50      | 3.4   | 4.7   |                                                                  |                                                   |                                                                            |
| Larger Sizes in Aluminium & Cast Steel Available |      |       |         |       |       |                                                                  |                                                   |                                                                            |

## Strainer

| Model | Connection | Nominal Bore mm | Ø mm | Mesh | Media Pressure | Media Temperature | Material of Construction | Features |
|-------|------------|-----------------|------|------|----------------|-------------------|--------------------------|----------|
|-------|------------|-----------------|------|------|----------------|-------------------|--------------------------|----------|

### AIR / FLUID / PETROCHEMICAL • Basket Strainer Flanged - ANSI 150 - Carbon Steel

|                                                                                                                        |                |           |     |     |    |        |       |                                                                                      |                                   |
|------------------------------------------------------------------------------------------------------------------------|----------------|-----------|-----|-----|----|--------|-------|--------------------------------------------------------------------------------------|-----------------------------------|
|  <p>Series BSW<br/>Basket Strainer</p> | ANSI 150<br>RF | BSW - 50  | 50  | 1.2 | 16 | 20 BAR | -20°C | Body: WCB (Carbon Steel)<br>Screen: SS304<br>Gasket: SS304 + Graphite<br>FBE Coating | High Flow Steam and Petrochemical |
|                                                                                                                        |                | BSW - 63  | 63  | 1.2 | 16 |        |       |                                                                                      |                                   |
|                                                                                                                        |                | BSW - 80  | 80  | 1.5 | 14 |        |       |                                                                                      |                                   |
|                                                                                                                        |                | BSW - 100 | 100 | 1.5 | 14 |        |       |                                                                                      |                                   |
|                                                                                                                        |                | BSW - 125 | 125 | 1.5 | 14 |        |       |                                                                                      |                                   |
|                                                                                                                        |                | BSW - 150 | 150 | 1.5 | 14 |        |       |                                                                                      |                                   |
|                                                                                                                        |                | BSW - 200 | 200 | 2   | 12 |        |       |                                                                                      |                                   |
|                                                                                                                        |                | BSW - 250 | 250 | 2   | 12 |        |       |                                                                                      |                                   |
|                                                                                                                        |                | BSW - 300 | 300 | 2   | 12 |        |       |                                                                                      |                                   |
|                                                                                                                        |                | BSW - 350 | 350 | 3   | 10 |        |       |                                                                                      |                                   |
|                                                                                                                        |                | BSW - 400 | 400 | 3   | 10 |        |       |                                                                                      |                                   |
|                                                                                                                        |                | BSW - 450 | 450 | 4   | 8  |        |       |                                                                                      |                                   |
|                                                                                                                        |                | BSW - 500 | 500 | 4   | 8  |        |       |                                                                                      |                                   |
|                                                                                                                        |                | BSW - 600 | 600 | 4   | 8  | 20 BAR | 180°C |                                                                                      |                                   |

Carbon Steel Body

### AIR / FLUID

### Basket Strainer Flanged - AS4087 • Table D/E • PN16 - Cast Iron

|                                                                                  |            |                                  |     |     |    |        |       |                                                         |                      |
|----------------------------------------------------------------------------------|------------|----------------------------------|-----|-----|----|--------|-------|---------------------------------------------------------|----------------------|
|  | Series BSC |                                  |     |     |    |        |       |                                                         |                      |
|                                                                                  | BSC - 50   | AS4087 PN16<br>AS2129<br>TABLE E | 50  | 1.2 | 16 | 16 BAR | -20°C | Body: Cast Iron<br><br>Screen: SS304<br><br>FBE Coating | High Flow Economical |
|                                                                                  | BSC - 63   |                                  | 63  | 1.2 | 16 |        |       |                                                         |                      |
|                                                                                  | BSC - 80   |                                  | 80  | 1.5 | 14 |        |       |                                                         |                      |
|                                                                                  | BSC - 100  |                                  | 100 | 1.5 | 14 |        |       |                                                         |                      |
|                                                                                  | BSC - 125  |                                  | 125 | 1.5 | 14 |        |       |                                                         |                      |
|                                                                                  | BSC - 150  |                                  | 150 | 1.5 | 14 |        |       |                                                         |                      |
|                                                                                  | BSC - 200  |                                  | 200 | 2   | 12 |        |       |                                                         |                      |
|                                                                                  | BSC - 250  |                                  | 250 | 2   | 12 |        |       |                                                         |                      |
|                                                                                  | BSC - 300  |                                  | 300 | 2   | 12 | 16 BAR | 90°C  |                                                         |                      |
| Also available up to 600mm                                                       |            |                                  |     |     |    |        |       |                                                         |                      |

Cast Iron Body

### AIR / FLUID

### Y Strainer Flanged - Table D/E - Cast Iron

|                                                                                    |                            |                                                             |           |     |     |        |        |       |                                                         |                      |
|------------------------------------------------------------------------------------|----------------------------|-------------------------------------------------------------|-----------|-----|-----|--------|--------|-------|---------------------------------------------------------|----------------------|
|  | Series YSCF                | <div>AS4087 PN16</div> <div>AS2129</div> <div>TABLE E</div> | YSCF - 50 | 50  | 1.2 | 16     | 16 BAR | -20°C | Body: Cast Iron<br><br>Screen: SS304<br><br>FBE Coating | High Flow Economical |
|                                                                                    | YSCF - 65                  |                                                             | 63        | 1.5 | 14  |        |        |       |                                                         |                      |
|                                                                                    | YSCF - 80                  |                                                             | 80        | 1.5 | 14  |        |        |       |                                                         |                      |
|                                                                                    | YSCF - 100                 |                                                             | 100       | 1.5 | 14  |        |        |       |                                                         |                      |
|                                                                                    | YSCF - 125                 |                                                             | 125       | 1.5 | 14  |        |        |       |                                                         |                      |
|                                                                                    | YSCF - 150                 |                                                             | 150       | 2   | 12  |        |        |       |                                                         |                      |
|                                                                                    | YSCF - 200                 |                                                             | 200       | 2   | 12  |        |        |       |                                                         |                      |
|                                                                                    | YSCF - 250                 |                                                             | 250       | 2   | 12  |        |        |       |                                                         |                      |
|                                                                                    | YSCF - 300                 |                                                             | 300       | 3   | 10  | 16 BAR | 90°C   |       |                                                         |                      |
|                                                                                    | Also available up to 600mm |                                                             |           |     |     |        |        |       |                                                         |                      |

Cast Iron Body

### AIR / FLUID

### Y Strainer Flanged - ANSI 150 - 316SS

|                                                                                                           |            |                    |                                       |    |                   |                  |                               |                      |
|-----------------------------------------------------------------------------------------------------------|------------|--------------------|---------------------------------------|----|-------------------|------------------|-------------------------------|----------------------|
|  <div>Series YSSF</div> | YSSF - 50  | <div>ANSI150</div> | 1.2                                   | 16 | <div>16 BAR</div> | <div>-20°C</div> | <div>Body: CF8M / SS316</div> | <div>High Flow</div> |
|                                                                                                           | YSSF - 65  |                    | 1.2                                   | 16 |                   |                  |                               |                      |
|                                                                                                           | YSSF - 80  |                    | 1.2                                   | 16 |                   |                  |                               |                      |
|                                                                                                           | YSSF - 100 |                    | 1.2                                   | 16 |                   |                  |                               |                      |
|                                                                                                           | YSSF - 125 |                    | 1.2                                   | 16 |                   |                  |                               |                      |
|                                                                                                           | YSSF - 150 |                    | 1.5                                   | 14 |                   |                  |                               |                      |
|                                                                                                           | YSSF - 200 |                    | 1.5                                   | 14 |                   |                  |                               |                      |
|                                                                                                           | YSSF - 250 |                    | 1.5                                   | 14 |                   |                  |                               |                      |
|                                                                                                           | YSSF - 300 |                    | 1.5                                   | 14 |                   |                  |                               |                      |
|                                                                                                           | 316SS      |                    | <div>Also available up to 600mm</div> |    |                   |                  |                               |                      |
|                                                                                                           |            |                    |                                       |    |                   |                  |                               |                      |
|                                                                                                           |            |                    |                                       |    |                   |                  |                               |                      |
|                                                                                                           |            |                    |                                       |    |                   |                  |                               |                      |
|                                                                                                           |            |                    |                                       |    |                   |                  |                               |                      |
|                                                                                                           |            |                    |                                       |    |                   |                  |                               |                      |
|                                                                                                           |            |                    |                                       |    |                   |                  |                               |                      |
|                                                                                                           |            |                    |                                       |    |                   |                  |                               |                      |
|                                                                                                           |            |                    |                                       |    |                   |                  |                               |                      |
|                                                                                                           |            |                    |                                       |    |                   |                  |                               |                      |

316SS

### AIR / FLUID / STEAM

### Y Strainer - SS316 • BSP Threaded

|                                                                                                                   |          |       |    |     |    |         |       |                                                   |                             |
|-------------------------------------------------------------------------------------------------------------------|----------|-------|----|-----|----|---------|-------|---------------------------------------------------|-----------------------------|
|  <p>Series YSS</p> <p>SS316</p> | YSS - 04 | 1/2   | 15 | 1.0 | 18 | 800 PSI | -20°C | Body: CF8M / SS316<br>Mesh: SS316<br>Gasket: PTFE | Removes Coarse<br>Particles |
|                                                                                                                   | YSS - 05 | 3/4   | 20 | 1.0 |    |         |       |                                                   |                             |
|                                                                                                                   | YSS - 06 | 1     | 25 | 1.0 |    |         |       |                                                   |                             |
|                                                                                                                   | YSS - 07 | 1-1/4 | 32 | 1.0 |    |         |       |                                                   |                             |
|                                                                                                                   | YSS - 08 | 1-1/2 | 40 | 1.0 |    |         |       |                                                   |                             |
|                                                                                                                   | YSS - 09 | 2     | 50 | 1.0 | 18 | 54 BAR  | 200°C |                                                   |                             |
|                                                                                                                   |          |       |    |     |    |         |       |                                                   |                             |

SS316

### AIR / FLUID

### Y Strainer - Brass • BSP Threaded

|                                                                                                                           |          |       |    |     |    |        |       |                              |            |
|---------------------------------------------------------------------------------------------------------------------------|----------|-------|----|-----|----|--------|-------|------------------------------|------------|
|  <div>Series YSB</div> <div>Brass</div> | YSB - 04 | 1/2   | 15 | 1.0 | 18 | 16 BAR | -20°C | Body: Brass<br>Screen: SS304 | Economical |
|                                                                                                                           | YSB - 05 | 3/4   | 20 | 1.0 |    |        |       |                              |            |
|                                                                                                                           | YSB - 06 | 1     | 25 | 1.0 |    |        |       |                              |            |
|                                                                                                                           | YSB - 07 | 1-1/4 | 32 | 1.0 |    |        |       |                              |            |
|                                                                                                                           | YSB - 08 | 1-1/2 | 40 | 1.0 | 18 | 16 BAR | 150°C |                              |            |
|                                                                                                                           | YSB - 09 | 2     | 50 | 1.0 |    |        |       |                              |            |
|                                                                                                                           |          |       |    |     |    |        |       |                              |            |

Brass

## Timer

### TIMERS



#### Digital. Programable 0.1 Sec - 99 Hours

|           |                           |                  |                                     |                  |  |
|-----------|---------------------------|------------------|-------------------------------------|------------------|--|
| EMD - 12A | DIGITAL TIME 110-220vAC   | Square Plug IP65 | CYCLE TIMER                         |                  |  |
|           |                           |                  | ON                                  | OFF              |  |
|           |                           |                  | 0.1 Sec - 99 Hrs                    | 0.1 Sec - 99 Hrs |  |
| EMD - 12B | DIGITAL TIME 10-48V AC/DC | Square Plug IP65 | Single Shot ON<br>0.1 Sec - 99 Hrs  |                  |  |
|           |                           |                  | Single Shot OFF<br>0.1 Sec - 99 Hrs |                  |  |
|           |                           |                  | Max Current 1 Amp                   |                  |  |

### TIMERS



#### Analog. External Knob Adjustment

| Model                              | Description                 | Connection       | ON                | OFF          |  |
|------------------------------------|-----------------------------|------------------|-------------------|--------------|--|
|                                    |                             |                  | 0.5 - 10 Sec      | 0.5 - 45 min |  |
| Blow Down Cycle Timer<br>TEC - 22A | Cycle Timer 24 - 240V AC/DC | Square Plug IP65 | Max Current 1 Amp |              |  |

### TIMERS



#### Econo Digital Timer

|                    |                                                         |                  |                                                                                                        |                  |  |
|--------------------|---------------------------------------------------------|------------------|--------------------------------------------------------------------------------------------------------|------------------|--|
| TIM - H<br>TIM - L | Digital Timer 110-240 vAC<br>Digital Timer 7-36 v AC/DC | Square Plug IP65 | CYCLE TIMER                                                                                            |                  |  |
|                    |                                                         |                  | ON                                                                                                     | OFF              |  |
|                    |                                                         |                  | 1.0 Sec - 10 Min                                                                                       | 1.0 Sec - 99 Hrs |  |
|                    |                                                         |                  | Single Shot ON<br>1.0 Sec - 10 Min<br><br>Single Shot OFF<br>1.0 Sec - 99 Hrs<br><br>Max Current 2 Amp |                  |  |

### TIMER / DRAIN VALVE



#### CRD - c/w Integral Y Strainer and Ball Valve

| Model                                   | Description                                                                                                     | Connection                                                                                           | Body: Brass<br>Seats:<br>Viton (Standard) | Air (Compressed Air<br>Condensate)<br>Manual Test Cycle.<br>LED Indicator.<br>Direct Acting |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|-------------------------------------------|---------------------------------------------------------------------------------------------|
| CRD - 4 - 3.5 - *VY 16 BAR              | Value & Timer combination for condensate removal from air systems. Integral Isolating Ball Valve and Y Strainer | 1/2" BSP<br><br>Voltages:-<br>240vAC (Standard)<br>24vAC<br>110vAC<br>24vDC<br><br>22VA AC<br>20W DC | Operator:<br>Brass & Stainless Steel      |                                                                                             |
| Optional Flex & 3 pin plug 240VDC. 1.5m | 0.5 - 10 SECS ON<br>1 - 45 MINS OFF<br>ADJUSTABLE                                                               |                                                                                                      |                                           |                                                                                             |

### TIMER / DRAIN VALVE



#### CRD - c/w Separate Y Strainer and Ball Valve

| Model                                                                                 | Description                                                                                                          | Connection                                                                                                       | Body: Brass<br>Seats:<br>Viton (Standard) | Air (Compressed Air<br>Condensate)<br>Manual Test Cycle.<br>LED Indicator.<br>Direct Acting |
|---------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|-------------------------------------------|---------------------------------------------------------------------------------------------|
| CRD - 4 - 4.5 - *VY 16 BAR<br>CRD - 4 - 2.8 - *VY 40 BAR<br>CRD - 4 - 1.9 - *V 80 BAR | Value & Timer combination for condensate removal from air systems.<br><br>Separate Isolation Ball Valve and Strainer | 1/2" BSP<br>1/2" BSP<br><br>Voltages:-<br>240vAC (Standard)<br>24vAC<br>110vAC<br>24vDC<br><br>22VA AC<br>20W DC | Operator:<br>Brass & Stainless Steel      |                                                                                             |
| Optional Flex & 3 pin plug 240VDC. 1.5m                                               | 0.5 - 10 SECS ON<br>1 - 45 MINS OFF<br>ADJUSTABLE                                                                    |                                                                                                                  |                                           |                                                                                             |



## Gauges

### DIAL GAUGE

Series GAU



63mm

| Bottom Entry                                                                                                                                                                                                                                                                                                                                                                                                                  |  | Rear Entry                                                                                                                                                                                                                                                                                                                                                                                                                  |  | Features                                                                                                                                                                                                                                                                                                                               |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 63mm Stainless Steel Case 1/4” BSPT • Brass Internals • Liquid Filled                                                                                                                                                                                                                                                                                                                                                         |  |                                                                                                                                                                                                                                                                                                                                                                                                                             |  |                                                                                                                                                                                                                                                                                                                                        |
| Bottom Entry (Kpa)                                                                                                                                                                                                                                                                                                                                                                                                            |  | Rear Entry (Kpa)                                                                                                                                                                                                                                                                                                                                                                                                            |  | Features                                                                                                                                                                                                                                                                                                                               |
| GAU63B - 100V (-100 Kpa / 30”Hg)<br>GAU63B - 100 (100 Kpa / 15 psi)<br>GAU63B - 100C (-100 Kpa to 1600Kpa, Compound)<br><br>GAU63B ~ 200 (200 Kpa / 30 psi)<br>GAU63B ~ 400 (400 Kpa / 60 psi)<br>GAU63B ~ 600 (600 Kpa / 90 psi)<br>GAU63B ~ 800 (800 Kpa / 110 psi)<br>GAU63B ~ 1000 (1000 Kpa / 140 psi)<br>GAU63B ~ 1600 (1600 Kpa / 230 psi)<br>GAU63B ~ 2500 (2500 Kpa / 360 psi)<br>GAU63B ~ 4000 (4000 Kpa / 580 psi) |  | GAU63R - 100V (-100 Kpa / 30”Hg)<br>GAU63R - 100 (100 Kpa / 15 psi)<br>GAU63R - 100C (-100 Kpa / 30”H to Compound)<br><br>GAU63R ~ 200 (200 Kpa / 30 psi)<br>GAU63R ~ 400 (400 Kpa / 60 psi)<br>GAU63R ~ 600 (600 Kpa / 90 psi)<br>GAU63R ~ 800 (800 Kpa / 110 psi)<br>GAU63R ~ 1000 (1000 Kpa / 140 psi)<br>GAU63R ~ 1600 (1600 Kpa / 230 psi)<br>GAU63R ~ 2500 (2500 Kpa / 360 psi)<br>GAU63R ~ 4000 (4000 Kpa / 580 psi) |  | SS304 Case<br>Brass Internals<br>Liquid Filled<br>Dual Scale Kpa/PSI<br>Brass Connection 1/4 BSP<br>C/W Panel Mount Bracket (Rear Entry)<br><br>Accuracy: +- 1.6% full scale<br><br>Working Range:-<br>Steady 3/4 full scale<br>Fluctuating 2/3 full scale<br>Short time full Scale<br>Temperature Ambient/Media<br>-20deg.C + 60deg.C |
| GAU63B ~ 250B (250 BAR / 3600 psi)<br>Hydraulic Connection 1/4” BSPP c/w Snubber<br>GAU63B ~ 400B (400 BAR / 5800 psi)<br>Hydraulic Connection 1/4” BSPP c/w Snubber                                                                                                                                                                                                                                                          |  |                                                                                                                                                                                                                                                                                                                                                                                                                             |  |                                                                                                                                                                                                                                                                                                                                        |
| Options: Gauge Guard • Heat Shield • Pigtails • Gauge Cock • Higher Pressure Gauges Available                                                                                                                                                                                                                                                                                                                                 |  |                                                                                                                                                                                                                                                                                                                                                                                                                             |  |                                                                                                                                                                                                                                                                                                                                        |

### DIAL GAUGE

Series GAU



100mm

| 100mm Stainless Steel Case 3/8" BSPT • Brass Internals • Liquid Filled                                                                                                                                                                                                                                                                                                                                                                                                            |  |                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div>GAU100B - 100V (-100 Kpa/30"Hg)</div> <div>GAU100B - 100C (-100 Kpa to 1600Kpa, Compound)</div> <div>GAU100B ~ 200 (200 Kpa / 30 psi)</div> <div>GAU100B ~ 400 (400 Kpa / 60 psi)</div> <div>GAU100B ~ 600 (600 Kpa / 90 psi)</div> <div>GAU100B ~ 800 (800 Kpa / 110 psi)</div> <div>GAU100B ~ 1000 (1000 Kpa / 140 psi)</div> <div>GAU100B ~ 1600 (1600 Kpa / 230 psi)</div> <div>GAU100B ~ 2500 (2500 Kpa / 360 psi)</div> <div>GAU100B ~ 4000 (4000 Kpa / 580 psi)</div> |  | <div>Other Options Available</div> | <div>SS304 Case</div> <div>Brass Internals</div> <div>liquid Filled</div> <div>Dual Scale Kpa/PSI</div> <div>Brass Connection 3/8 BSP</div> <div>C/W Panel Mount Bracket (Rear Entry)</div> <div>Accuracy: +- 1.6% full scale</div> <div>Working Range:-</div> <div>Steady 3/4 full scale</div> <div>Fluctuating 2/3 full scale</div> <div>Short time full Scale</div> <div>Temperature Ambient/</div> <div>Media -20deg.C + 60deg.C</div> |
| <div>Other pressure ranges available</div> <div>Options: Gauge Guard • Heat Shield • Pigtails • Gauge Cock</div>                                                                                                                                                                                                                                                                                                                                                                  |  |                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                            |

### DIAL GAUGE

Series GAU



100mm

| 100mm Stainless Steel Case 3/8" BSPT • Stainless Steel Internals • Liquid Filled                                     |  |                                                                                                                                                                                    |  |                                                                                                                                                  |
|----------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------|
| GAU100BS ~ 1000 (1000 Kpa / 140 psi)<br>GAU100BS ~ 1600 (1600 Kpa / 230 psi)<br>GAU100BS ~ 2500 (2500 Kpa / 360 psi) |  | GAU100RS ~ 1000 (1000 Kpa / 140 psi)<br>GAU100RS ~ 1600 (1600 Kpa / 230 psi)                                                                                                       |  | SS316 Case<br>Stainless Steel<br>Internals<br>SS316 Connection<br>3/8 BSP<br>Dual Scale Kpa/PSI<br>Liquid Filled<br>Optional: Mounting<br>Flange |
| Other pressure ranges available<br>Options: Gauge Guard • Heat Shield • Pigtails • Gauge Cock                        |  | Accuracy +/- 1.0% full scale<br>Working Range:-<br>Steady 3/4 full scale<br>Fluctuating 2/3 full scale<br>Short time full Scale<br>Temperature Ambient/Media<br>-20deg.C + 60deg.C |  |                                                                                                                                                  |

### DIAL GAUGE

Series GAU



150mm

| 150mm Stainless Steel Case 1/2" NPT • Stainless Steel Internals • Bottom Entry c/w Back Mounting Flange                                                        |  |                                                                                       |                                                                                                                                                             |                                                 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|
| GAU150BS ~ 1000 (1000 Kpa / 140 psi)<br>Bottom Entry c/w Back Mounting Flange<br>GAU150BS ~ 2500 (2500 Kpa / 360 psi)<br>Bottom Entry c/w Back Mounting Flange |  |                                                                                       | SS316 Case<br>Stainless Steel<br>Internals<br>SS316 Connection<br>1/2 NPT<br>Dual Scale Kpa/PSI<br>Liquid Filled • C/W<br>Mounting Flange<br>• Bottom Entry |                                                 |
| Other pressure ranges available<br>Options: Gauge Guard • Heat Shield • Pigtails • Gauge Cock                                                                  |  | Accuracy +- 1.0% full scale<br>Working Range:-<br>Steady<br>Fluctuating<br>Short time | 3/4 full scale<br>2/3 full scale<br>full Scale                                                                                                              | Temperature Ambient/Media<br>-20deg.C + 60deg.C |

## Switch

### FLOW SWITCH

Series FLO



In-Line  
Flow Switch

| Model                                               | Description                                                                                                  | Features                                                                                                              |
|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| <b>Water/Glycol or Non Hazardous Liquids • IP65</b> |                                                                                                              |                                                                                                                       |
| FLO - 04 G1/2"<br>FLO - 05 G3/4"<br>FLO - 06 G1"    | Pipe Size 25mm—80mm<br>Pipe Size 100mm—150mm<br>Pipe Size 100mm—200mm<br><br>Consult us for Flow Parameters. | Stainless Steel Leaf<br>Stainless Steel<br>Connection<br>IP65 Protection<br>SPDT Switch (NC or NO)<br>0~240VAC 10 Amp |

### TEMPERATURE SWITCH

Series NTB  
EBT



| OEM Style Compact Switch • IP65                                    |                                          |  |                                                                      |                                  |                                                                                                      |
|--------------------------------------------------------------------|------------------------------------------|--|----------------------------------------------------------------------|----------------------------------|------------------------------------------------------------------------------------------------------|
| NTB - * - NC<br>NTB - * - NO<br>EBT - * - NC<br>EBT - * - NO       | ALUMINIUM<br>ALUMINIUM<br>BRASS<br>BRASS |  | Normally Closed<br>Normally Open<br>Normally Closed<br>Normally Open | G1/2"<br>G1/2"<br>G1/2"<br>G1/2" | SPST (Single Pole<br>Single Throw)<br>0~240VAC 10 Amp<br>IP65<br>Minimum Order<br>Quantity: 20 Units |
| * Temperature Switch Points °C 30, 40 50, 60, 70, 80, 90, 100, 105 |                                          |  |                                                                      |                                  |                                                                                                      |

Other Instrumentation Products Include: • Digital Pressure Gauges • Digital Temperature Gauges • Digital Pressure Transmitter / Transducer • Flow Meters

## Switch

### PRESSURE SWITCH



### IP65

|                                                     |                                  |                                                  |                              |                                         |                                                                                                                                                                                          |
|-----------------------------------------------------|----------------------------------|--------------------------------------------------|------------------------------|-----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PSM2R14AP<br>PSM10R14APS<br>PSM50R14S<br>PSM100R14S | Brass<br>Brass<br>Brass<br>Brass | 0.2-2 Bar<br>1-10 Bar<br>10-50 Bar<br>10-100 Bar | Max 300 Bar<br>Over Pressure | 1/4" BSP (Parallel)<br>with O'Ring Seal | S.P.D.T. (NC or NO)<br>6Amp (res) 2 Amp (Inductive)<br>240V AC Max IP65<br>30% Full Scale Hysteresis<br><br>Membrane -<br>NBR - Standard<br>Viton<br>Silicone<br>EPDM<br>Stainless Steel |
| PSP150R14S<br>PSP300R14S                            | SS316<br>SS316                   | 30-150 Bar<br>50-300 Bar                         | Max 600 Bar                  |                                         |                                                                                                                                                                                          |
| 2751012                                             |                                  | 4 PIN Connector Plug                             |                              | ISO Square Plug                         |                                                                                                                                                                                          |

### VACUUM SWITCH



### IP65

|                    |                |                                                                            |                                                                |                                                                                                                                                                                       |
|--------------------|----------------|----------------------------------------------------------------------------|----------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| VSM1R14<br>VSM2R14 | Brass<br>Brass | 100-500 mBar (VAC)<br>500-900 mBar (VAC)<br><br>Over Pressure up to 20 Bar | 1/4" BSP (Parallel)<br>with O'Ring Seal<br><br>ISO Square Plug | S.P.D.T. (NC or NO)<br>6Amp (res) 2 Amp (Inductive)<br>240V AC Max IP65<br>30% Full Scale Hysteresis<br><br>Membrane - NBR - Standard<br>Viton<br>Silicone<br>EPDM<br>Stainless Steel |
|--------------------|----------------|----------------------------------------------------------------------------|----------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## Plug

### CONNECTOR PLUG



### Square 28x28mm DIN 43650A • IP65

|                                                 |                                                        |        |              |                                                                  |                                          |
|-------------------------------------------------|--------------------------------------------------------|--------|--------------|------------------------------------------------------------------|------------------------------------------|
| DPSL - 6 - H - PG11<br>DPSL - 6 - L - PG11      | LED Illuminated<br>LED Illuminated                     | 6<br>6 | PG11<br>PG11 | 70 ~ 250v AC/DC 10AMP<br>10 ~ 50v AC/DC 10AMP                    | 2 Pin + Earth<br><br>18mm Pin<br>Spacing |
| DPSM - 6 - H - PG11<br>DPSM - 6 - L - PG11      | Surge Suppresion<br>Surge Suppresion                   | 6<br>6 | PG11<br>PG11 | 61 ~ 240v AC/DC 10AMP<br>0 ~ 60v AC/DC 10AMP                     |                                          |
| DPSR - 6 - H - PG11<br>DPSR - 6 - L - PG11      | Rectifier Plug<br>Rectifier Plug                       | 6<br>6 | PG11<br>PG11 | 110/240v AC ~ 110/240v DC 1.5AMP<br>12/24v AC ~ 12/24v DC 1.5AMP |                                          |
| DPSB - 6 - 2E - PG11<br>DPSB - 6 - 3E - PG11    | Plain Black<br>Plain Black                             | 6<br>6 | PG11<br>PG11 | 0 ~ 415v AC/DC 10AMP<br>0 ~ 415v AC/DC 10AMP                     | 2 Pin + Earth<br>3 Pin + Earth           |
| Power Saving up to 70% - Lower Coil Temperature |                                                        |        |              |                                                                  |                                          |
| DPPS - 6 - 1 - PG11<br>DPPS - 6 - 8 - PG11      | Power Saving - Lower Temp<br>Power Saving - Lower Temp | 6<br>6 | PG11<br>PG11 | 240v AC 0.4 AMP<br>24v DC 1.5AMP                                 | 2 Pin + Earth<br>2 Pin + Earth           |

### CONNECTOR PLUG



### Rectangle 20x28mm DIN 43650B • IP65

|                                          |                                    |        |            |                                               |                                                            |
|------------------------------------------|------------------------------------|--------|------------|-----------------------------------------------|------------------------------------------------------------|
| DPRL - 6 - H - PG9<br>DPRL - 6 - L - PG9 | LED Illuminated<br>LED Illuminated | 6<br>6 | PG9<br>PG9 | 70 ~ 250v AC/DC 10AMP<br>10 ~ 50v AC/DC 10AMP | 2 Pin + Earth<br>2 Pin + Earth<br><br>9.4mm Pin<br>Spacing |
| DPRB - 6 - PG9                           | Plain Black                        | 6      | PG9        | 10 ~ 250v AC/DC 10AMP                         | 2 Pin + Earth<br><br>11mm Pin<br>Spacing                   |

### CONNECTOR PLUG



### Mini Plug 15x15mm DIN 43650C • IP65

|                                          |                                    |        |            |                                             |                                           |
|------------------------------------------|------------------------------------|--------|------------|---------------------------------------------|-------------------------------------------|
| DPML - 4 - H - PG7<br>DPML - 4 - L - PG7 | LED Illuminated<br>LED Illuminated | 4<br>4 | PG7<br>PG7 | 70 ~ 250v AC/DC 6AMP<br>10 ~ 50v AC/DC 6AMP | 2 Pin + Earth<br><br>9.4mm Pin<br>Spacing |
|------------------------------------------|------------------------------------|--------|------------|---------------------------------------------|-------------------------------------------|

### CONNECTOR PLUG



### A-B Adapter DIN 43650A to DIN 43650B • IP65

|           |                                                                                                                                                             |  |  |  |               |
|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|---------------|
| A-B ADAPT | Converts Rectangular DIN 43650B to Square DIN 43650A<br>Used in Conjunction with Solenoid Valve Timers (refers to Series EM/TEC Data Sheet & page 26) 10AMP |  |  |  | 2 Pin + Earth |
|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|---------------|

## Gear Box Cast Steel

### DE-CLUTCH



| Model | Speed Ratio | Torque (Nm) | Connection ISO 5211 |          | Hand Wheel<br>Dia (mm) | Drive <input type="checkbox"/> mm |       | Suggested Actuator Size |    |
|-------|-------------|-------------|---------------------|----------|------------------------|-----------------------------------|-------|-------------------------|----|
|       |             | Output Max. | Valve               | Actuator |                        | Actuator                          | Valve | DA                      | SR |

#### • Suitable for Ball Valve & Actuator Interface

|          |      |      |         |         |     |    |    |     |     |
|----------|------|------|---------|---------|-----|----|----|-----|-----|
| DC1 - 11 | 40:1 | 300  | F05/F07 | F05/F07 | 200 | 11 | 11 | 52  | 52  |
| DC1 - 14 |      |      |         |         |     | 14 | 14 | 63  | 63  |
| DC1 - 17 |      |      |         |         |     | 17 | 17 | 75  | 75  |
| DC2 - 14 | 28:1 | 350  | F07     | F07/F10 | 300 | 14 | 11 | 63  | 63  |
| DC2 - 17 |      |      |         |         |     | 17 | 17 | 75  | 100 |
| DC2 - 22 |      |      |         |         |     | 22 | 22 | -   | -   |
| DC3 - 22 | 32:1 | 640  | F07/F10 | F10/F12 | 300 | 22 | 22 | 115 | 125 |
| DC4 - 27 | 50:1 | 1200 | F10/F12 | F10/F12 | 350 | 27 | 27 | 140 | 160 |
| DC5 - 36 | 62:1 | 2100 | F14     | F14/F16 | 400 | 36 | 36 | 180 | 200 |
| DC6 - 46 | 70:1 | 2800 | F16     | F14/F16 | 500 | 46 | 46 | 240 | 270 |

- Features:
- Ductile Iron Body, FBE Coating.
  - IP67 Environment Protection.
  - SS316 Drive Shaft and Fastenings
  - Air Safety Interlock (Exhausts Actuator when Engaged)

Function: Can manually override a pneumatic actuated valve

\* Add Value Torque when sizing for Spring Return Actuator

### DIRECT



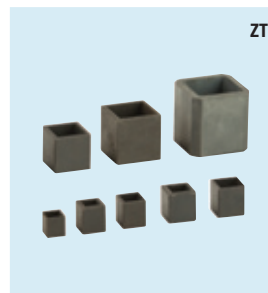
#### • Suitable for Ball Valve & Butterfly Valve

| Model | Speed Ratio | Torque (Nm) | Connection ISO 5211 | Hand Wheel<br>Dia (mm) | Drive <input type="checkbox"/> mm | <input type="checkbox"/> | <input type="checkbox"/> |
|-------|-------------|-------------|---------------------|------------------------|-----------------------------------|--------------------------|--------------------------|
|       |             |             |                     |                        |                                   | Ø 14 x 10<br>Ø 16 x 11   | Ø 25 ~ Ø 45              |
| GB1   | 40:1        | 255         | F05/F07             | 200                    | 14                                | Ø 16 x 11                |                          |
| GB2   | 36:1        | 570         | F07/F10             | 300                    | 22                                | Ø 19 x 13<br>Ø 22 x 16   |                          |
| GB3   | 36:1        | 930         | F10/F12             | 350                    | 27 (or 36)                        | Ø 28 x 19                |                          |
| GB4   | 50:1        | 1400        | F14                 | 400                    | 36                                |                          | Ø 25 ~ Ø 45              |
| GB5   | 70:1        | 2600        | F16                 | 500                    | 36 (or 46)                        |                          | Ø 45 ~ Ø 75              |
| GB6   | 140:1       | 5200        | F16                 | 500                    | 46 (or 55)                        |                          | Ø 45 ~ Ø 75              |
| GB7   | 207:1       | 8000        | F25                 | 500                    | 46 (or 55)                        |                          | Ø 60 ~ Ø 80              |

- Features:
- Ductile Iron Body, FBE Coating
  - IP67 Environment Protection, IP68 Optional
  - SS316 Drive Shaft and Fastenings
  - Suitable for Ball and Butterfly Valves
  - Visual Position Indicator

- ☐ = Square Drive (standard)  
☐ = Double D (optional)  
☐ = Custom Hole & Keyway (optional)

### DRIVE ADAPTORS



#### Square to Square

|            |                            |
|------------|----------------------------|
| ZT 11 - 9  | 11mm x 9mm - Square Drive  |
| ZT 14 - 9  | 14mm x 9mm - Square Drive  |
| ZT 14 - 11 | 14mm x 11mm - Square Drive |
| ZT 17 - 9  | 17mm x 9mm - Square Drive  |
| ZT 17 - 11 | 17mm x 11mm - Square Drive |
| ZT 17 - 14 | 17mm x 14mm - Square Drive |
| ZT 22 - 14 | 22mm x 14mm - Square Drive |
| ZT 22 - 17 | 22mm x 17mm - Square Drive |
| ZT 22 - 19 | 22mm x 19mm - Square Drive |
| ZT 27 - 17 | 27mm x 17mm - Square Drive |
| ZT 27 - 22 | 27mm x 22mm - Square Drive |
| ZT 35 - 27 | 35mm x 27mm - Square Drive |
| ZT 36 - 27 | 36mm x 27mm - Square Drive |

#### Mounting Brackets



|       |                       |
|-------|-----------------------|
| BKT 1 | F03 - F04 - F05       |
| BKT 2 | F04 - F05 - F07       |
| BKT 3 | F07 - F10 - F12       |
| BKT 4 | F10 - F12 - F14       |
| BKT 5 | F10 - F12 - F14 - F16 |

### DRIVE ADAPTORS



#### Star to Square

|            |                          |
|------------|--------------------------|
| ST 11 - 9  | 11mm x 9mm - Star Drive  |
| ST 14 - 9  | 14mm x 9mm - Star Drive  |
| ST 14 - 11 | 14mm x 11mm - Star Drive |
| ST 17 - 11 | 17mm x 11mm - Star Drive |
| ST 17 - 14 | 17mm x 14mm - Star Drive |
| ST 22 - 14 | 22mm x 14mm - Star Drive |
| ST 22 - 17 | 22mm x 17mm - Star Drive |
| ST 22 - 19 | 22mm x 19mm - Star Drive |
| ST 27 - 17 | 27mm x 17mm - Star Drive |
| ST 27 - 22 | 27mm x 22mm - Star Drive |
| ST 35 - 19 | 35mm x 19mm - Star Drive |
| ST 36 - 22 | 36mm x 22mm - Star Drive |
| ST 36 - 27 | 36mm x 27mm - Star Drive |
| ST 46 - 36 | 46mm x 36mm - Star Drive |

Adapters - Customised as requested.  
 Shaft Extensions - Customised for Butterfly and Gate Valves  
 Specials - Valve Assemblies Made to Order

## Fail Safe Electric

### AIR / FLUID / PETROCHEMICAL • Full Bore St/St Ball Valve C/W • Spring Close Electric Actuator

|                                                                                                                                                                    |                     |        |           |     |        |       |                                                                          |                                      |                          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|--------|-----------|-----|--------|-------|--------------------------------------------------------------------------|--------------------------------------|--------------------------|
|  <div>Series BLS</div> <div>2 Way<br/>SS316<br/>Ball Valve<br/>Threaded BSP</div> | BLS58B - SE * - RT  | \$500  | 1-1/2 BSP | 40  | 10 BAR | -20°C | E1=240VAC<br>E2=110VAC<br>E5=24VAC<br>E7=12VDC<br>E8=24VDC<br>E11=415VAC | Body: 3 Piece<br>316 Stainless Steel | Positive Spring<br>Close |
|                                                                                                                                                                    | BLS59B - SE * - RT  | \$500  | 2 BSP     | 50  | 10 BAR | 180°C |                                                                          |                                      |                          |
|                                                                                                                                                                    | BLS510B - SE * - RT | \$1300 | 2-1/2 BSP | 63  |        |       |                                                                          |                                      |                          |
|                                                                                                                                                                    | BLS511B - SE * - RT | \$1300 | 3 BSP     | 80  |        |       |                                                                          |                                      |                          |
|                                                                                                                                                                    | BLS512B - SE * - RT | \$2000 | 4 BSP     | 100 |        |       |                                                                          |                                      |                          |

### AIR / FLUID / PETROCHEMICAL • Reduced Bore 3 Way Ball Valve C/W • Spring Close Electric Actuator

|                                                                                                                                                                     |                               |        |           |    |        |       |                                                                          |                                                         |                          |                             |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|--------|-----------|----|--------|-------|--------------------------------------------------------------------------|---------------------------------------------------------|--------------------------|-----------------------------|
|  <div>Series BLS3</div> <div>3 Way<br/>SS316<br/>Ball Valve<br/>Threaded BSP</div> | BLS3L8B - SE * - RT           | \$500  | 1-1/2 BSP | 32 | 10 BAR | -20°C | E1=240VAC<br>E2=110VAC<br>E5=24VAC<br>E7=12VDC<br>E8=24VDC<br>E11=415VAC | Body: 3 Piece<br>316 Stainless Steel<br><br>Seats: RTFE | Positive Spring<br>Close |                             |
|                                                                                                                                                                     | BLS3L9B - SE * - RT           | \$1300 | 2 BSP     | 38 | 10 BAR | 180°C |                                                                          |                                                         |                          |                             |
|                                                                                                                                                                     | BLS3L10B - SE * - RT          | \$1300 | 2-1/2 BSP | 50 |        |       |                                                                          |                                                         |                          |                             |
|                                                                                                                                                                     | BLS3L11B - SE * - RT          | \$2000 | 3 BSP     | 65 |        |       |                                                                          |                                                         |                          |                             |
|                                                                                                                                                                     | 3L = 'L' Port   3T = 'T' Port |        |           |    |        |       |                                                                          |                                                         |                          | Fail Safe When<br>Power Off |
|                                                                                                                                                                     |                               |        |           |    |        |       |                                                                          | 'L' Port or 'T' Port                                    |                          |                             |

### AIR / FLUID / PETROCHEMICAL • Full Bore Fire Safe Ball Valve AP1607 C/W • Spring Close Electric Actuator

|                                                                                                                                                                    |                                                             |        |                     |     |        |       |                                                                          |                                                         |                                                                                                      |  |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|--------|---------------------|-----|--------|-------|--------------------------------------------------------------------------|---------------------------------------------------------|------------------------------------------------------------------------------------------------------|--|--|
|  <p>Series BLSF</p> <p>2 Way<br/>SS316<br/>or WCB<br/>Ball Valve<br/>Flanged</p> | BLSF58FA - SE * - RT                                        | \$500  | Flanged<br>ANSI 150 | 40  | 10 BAR | -20°C | E1=240VAC<br>E2=110VAC<br>E5=24VAC<br>E7=12VDC<br>E8=24VDC<br>E11=415VAC | Body: 3 Piece<br>316 Stainless Steel<br><br>Seats: RTFE | Positive Spring<br>Close<br><br>Fail Safe When<br>Power Off<br><br>Full Bore<br><br>Fire Safe AP 607 |  |  |
|                                                                                                                                                                    | BLSF59FA - SE * - RT                                        | \$1300 |                     | 50  | 10 BAR | 180°C |                                                                          |                                                         |                                                                                                      |  |  |
|                                                                                                                                                                    | BLSF510FA - SE * - RT                                       | \$1300 |                     | 63  |        |       |                                                                          |                                                         |                                                                                                      |  |  |
|                                                                                                                                                                    | BLSF511FA - SE * - RT                                       | \$1300 |                     | 80  |        |       |                                                                          |                                                         |                                                                                                      |  |  |
|                                                                                                                                                                    | BLSF512FA - SE * - RT                                       | \$2000 |                     | 100 |        |       |                                                                          |                                                         |                                                                                                      |  |  |
|                                                                                                                                                                    | Also available in WCB Cast Steel • Fire Safe • ANSI 150/300 |        |                     |     |        |       |                                                                          |                                                         |                                                                                                      |  |  |

### AIR / FLUID / PETROCHEMICAL • Full Bore Flanged 3 Way • Spring Close Electric Actuator

|                                                                                                                                                             |                       |       |                     |     |        |       |                                                                          |                                                         |                                          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-------|---------------------|-----|--------|-------|--------------------------------------------------------------------------|---------------------------------------------------------|------------------------------------------|
|  <div>Series BLS3F</div> <div>3 Way<br/>SS316<br/>Full Bore Flange</div> | BLS3L8FA - SE * - RT  | S1300 | Flanged<br>ANSI 150 | 40  | 10 BAR | -20°C | E1=240VAC<br>E2=110VAC<br>E5=24VAC<br>E7=12VDC<br>E8=24VDC<br>E11=415VAC | Body: 3 Piece<br>316 Stainless Steel<br><br>Seats: RTFE | Positive Spring<br>Close                 |
|                                                                                                                                                             | BLS3L9FA - SE * - RT  | S1300 |                     | 50  | 10 BAR | 180°C |                                                                          |                                                         |                                          |
|                                                                                                                                                             | BLS3L10FA - SE * - RT | S1300 |                     | 63  |        |       |                                                                          |                                                         |                                          |
|                                                                                                                                                             | BLS3L11FA - SE * - RT | S2000 |                     | 80  |        |       |                                                                          |                                                         |                                          |
|                                                                                                                                                             | BLS3L12FA - SE * - RT | S2600 |                     | 100 |        |       |                                                                          |                                                         |                                          |
|                                                                                                                                                             |                       |       |                     |     |        |       |                                                                          |                                                         | 3 Way<br>ANSI150<br>Flanged<br>Full Bore |

### AIR / FLUID / PETROCHEMICAL • Wafer/Lugged Butterfly • Spring Close Electric Actuator

|                                                                                                                                                                   |                    |        |                |     |        |       |                                                                          |                                           |                                                                              |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|--------|----------------|-----|--------|-------|--------------------------------------------------------------------------|-------------------------------------------|------------------------------------------------------------------------------|
|  <div>Series BFD</div> <div>Wafer or Lugged<br/>Cast Iron<br/>Viton Seat</div> | BFD550 - SE * - V  | \$500  | WAFER<br>(BFD) | 50  | 10 BAR | -20°C | E1=240VAC<br>E2=110VAC<br>E5=24VAC<br>E7=12VDC<br>E8=24VDC<br>E11=415VAC | Body: Cast Iron<br><br>Seats: Viton (FKM) | Positive Spring Close<br><br>Fail Safe When Power Off<br><br>Wafer or Lugged |
|                                                                                                                                                                   | BFD565 - SE * - V  | \$500  |                | 65  |        |       |                                                                          |                                           |                                                                              |
|                                                                                                                                                                   | BFD580 - SE * - V  | \$500  |                | 80  |        |       |                                                                          |                                           |                                                                              |
|                                                                                                                                                                   | BFD5100 - SE * - V | \$1300 |                | 100 |        |       |                                                                          |                                           |                                                                              |
|                                                                                                                                                                   | BFD5125 - SE * - V | \$1300 | 125            |     |        |       |                                                                          |                                           |                                                                              |
|                                                                                                                                                                   | BFD5150 - SE * - V | \$2000 | LUGGED<br>BFL  | 150 | 10 BAR | 90°C  |                                                                          |                                           |                                                                              |

Optional • Explosion Proof IEC Ex  • Manual Handwheel Override

For technical specifications on the actuator refer to page 27.





## Same Day Despatch

Huge stock holdings with great service

Biggest range of Solenoid Valves

Ball Valves for every application

Butterfly Valves in Stock



### Solenoid Valves

Large range of solenoid valves including direct acting, differential, high pressure, high temperature, explosion proof along with the various body material options available. Applications include solenoid valves for water, steam, chemicals, high pressure and vacuum.



### Ball Valves

Ball valve range includes 316 stainless steel, nickel plated brass, UPVC, 2 way, 3 way, threaded, flanged and fire safe. All ball valves are available with pneumatic, electric and manual operation.



### Butterfly Valves

Comprehensive range of Butterfly Valves for general industrial, mining and agricultural applications. Sizes from 50mm to 2400mm in wafer, lugged and flanged. All are available with manual, electric or pneumatic actuation (double acting or spring return).



### Knife Gate Valves

Knife gate Valves from 50mm to 3500mm in manual and double acting pneumatic actuation. Body materials Ductile Iron and 316 Stainless Steel with resilient (soft) and metal seat options. Applications include mining, mineral processing, power industries, slurries, sewerage and water treatment.



### Check Valves

Check Valves from 50mm to 3500mm in both Cast Iron and 316 Stainless Steel. Models include swing, piston, ball, pilot and duck bill. Applications include mining, mineral processing, power industries, sewerage, tidal and water treatment.



### Other Valves

Also stock angle seat valves, needle valves, pinch valves, gate valves and globe valves for all industry applications.

### Featured Products



5/2 Namur Solenoid S...

AUS\$65.00



316 SS Manual Two P...

AUS\$16.00



General Purpose Nor...

AUS\$35.00



5/2 Lever Valve

AUS\$55.00



Cast Iron, 304 SS Dis...

AUS\$170.00



Cast Iron, 304 SS Dis...

AUS\$65.00



# PROCESS SYSTEMS PTY LTD

ABN 15 010 932 386

Phone 1300 887 880

Email: [sales@processsystems.com.au](mailto:sales@processsystems.com.au)

Website: [www.valvesonline.com.au](http://www.valvesonline.com.au)

### WARNING

These products are intended for use in industrial applications only. Do not use these products where pressures and temperatures can exceed those listed under 'Technical Data' and in our individual 'Series' data sheets. Before using these products with fluids other than those specified, for non-industrial applications, life-support systems, or other applications not within published specifications, consult Process Systems Pty Ltd. Through misuse, age, or malfunction, components used in industrial valve applications can fail in various modes. The system designer is warned to consider the failure modes of all component parts used in industrial valve applications and to provide adequate safeguards to prevent personal injury or damage to equipment in the event of such failure. System designers must provide a warning to the user in the system instructional manual if protection against a failure mode cannot be adequately provided. System designers and end users are cautioned to review specific warnings or specifications found in instruction sheets or labels packed or attached and shipped with the products. Our policy is one of continuous research and development. We therefore reserve the right to amend without notice the specifications given in this document or our individual 'Series' data sheets.

### WARRANTY INFORMATION

All valve series and other products manufactured or distributed by Process Systems Pty. Ltd. are warranted by Process Systems to be free of defects in material and workmanship for a period of 1 year from the date of purchase or as the manufacturer warrants. Process Systems obligation under this warranty is limited to repair or replacement of the defective product or refund of the purchase price paid solely at the discretion of Process Systems and provided such defective product is returned to Process Systems freight prepaid and upon examination by Process Systems such product is found defective. This warranty shall be void in the event that the product has been subject to misuse, misapplication, improper maintenance, modification or tampering. This warranty is expressed in lieu of all other warranties, expressed or implied from Process Systems Pty. Ltd. representatives or employees. Process Systems reserves the right to change Valve and Brochure specifications without notice.