

# Air - Vacuum - Fluid Chemical - Steam

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### 2 Way

#### AIR / WATER / VACUUM



Model	Function/ Port Size	Orifice Ømm	CV	Pressure (Bar) Air & Fluid		Vacuum Hg"	Media Temperature	Material of Construction	Features
				BSP	CV				
B25 - 2 - 2 - * VM	N.C.	1/4	2	0.1	0-12	0-12	27	Body: Brass Seals: Viton Operator: Stainless Steel	Air, Fluid & Vacuum Manual Override Direct Acting 10VA AC 7W DC
B26 - 2 - 2 - * VM	N.O.	1/4	2	0.1	0-12	0-12	100°C		

#### AIR / FLUID / VACUUM



Model	Function/ Port Size	Orifice Ømm	CV	Pressure (Bar) Air & Fluid		Vacuum Hg"	Media Temperature	Material of Construction	Features
				BSP	CV				
S25 - 2 - 2 - * VM	N.C.	1/4	2	0.1	0-12	0-12	27	Body: 304 Stainless Steel. Seals: Viton Operator: Stainless Steel	Air, Fluid & Vacuum. Manual Override. Direct Acting. 10VA AC 7W DC
S26 - 2 - 2 - * VM	N.O.	1/4	2	0.1	0-12	0-12	100°C		

#### AIR / WATER



Model	Function/ Port Size	Orifice Ømm	CV	Pressure (Bar) Air & Fluid		Vacuum Hg"	Media Temperature	Material of Construction	Features
				BSP	CV				
B35 - 2 - 10 - * N	N.C.	1/4	10	2.3	0.3-10	0.3-10	N/A	Body: Brass Operator: Stainless Steel Seat: NBR	Air, Fluid Soft Close Part #s B35-2 to B35-6 11VA AC 15W DC Part #s B35-7 to B35-9 20VA AC 17W DC 24V 21W DC 12V
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	0.3-10	0.3-10			
B35 - 5 - 14 - * N		3/4	14	5	0.3-10	0.3-10			
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			

#### AIR / WATER



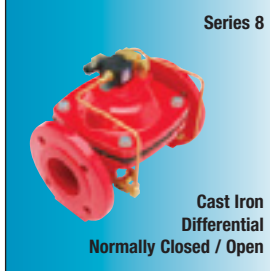
Model	Function/ Port Size	Orifice Ømm	CV	Pressure (Bar) Air & Fluid		Vacuum Hg"	Media Temperature	Material of Construction	Features
				BSP	CV				
B35 - 4 - 14 - * NM	N.C.	1/2	14	5	0.3-16	0.3-16	N/A	Body: Brass Seals: NBR Operator: Stainless Steel	Air, Fluid Soft Close Manual Override Part #s B35-2 to B35-6 11VA AC 15W DC Part #s B35-7 to B35-9 20VA AC 17W DC 24V 21W DC 12V
B35 - 5 - 20 - * NM		3/4	20	10	0.3-16	0.3-16			
B35 - 6 - 20 - * NM		1	20	11	0.3-16	0.3-16			
B35 - 7 - 40 - * NM		1 1/4	40	28	0.7-16	0.7-16			
B35 - 8 - 40 - * NM		1 1/2	40	34	0.7-16	0.7-16			
B35 - 9 - 50 - * NM	N.C.	2	50	50	0.7-16	0.7-16			

#### AIR / WATER



Model	Function/ Port Size	Orifice Ømm	CV	Pressure (Bar) Air & Fluid		Vacuum Hg"	Media Temperature	Material of Construction	Features
				BSP	CV				
B36 - 2 - 14 - * N	N.O.	1/4	14	3	0.3-10	0.3-10	N/A	Body: Brass Operator: Stainless Steel Seat: NBR	Air, Fluid Soft Close 11VA AC 15W DC
B36 - 3 - 14 - * N		3/8	14	4	0.3-10	0.3-10			
B36 - 4 - 14 - * N		1/2	14	5	0.3-10	0.3-10			
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			

#### AIR / WATER



Model	Function/ Port Size	Orifice Ømm	CV	Pressure (Bar) Air & Fluid		Vacuum Hg"	Media Temperature	Material of Construction	Features
				BSP	CV				
C85 - 8 - 40 - *	N.C.	1-1/2	40		1.5-12	1.5-12	N/A	Body: C = Cast Iron Seals: Reinforced Natural Rubber. Operator: Brass & Stainless Steel Flanges - Table D	Air & Fluid Adjustable Closing Time Anti Water Hammer. 10VA AC 7W DC
C85 - 9 - 50 - *		2	50		1.5-12	1.5-12			
C85 - 11 - 80 - *		3	80		1.5-12	1.5-12			
C85 - 11F - 80 - *		Flange	80		1.5-12	1.5-12			
C85 - 12F - 100 - *		Flange	100		1.5-12	1.5-12			
C85 - 14F - 150 - *	N.C.	Flange	150		1.5-12	1.5-12			
C86 - 8 - 40 - *	N.O.	1-1/2	40		1.5-12	1.5-12			
C86 - 9 - 50 - *		2	50		1.5-12	1.5-12			
C86 - 11 - 80 - *		3	80		1.5-12	1.5-12			
C86 - 11F - 80 - *		Flange	80		1.5-12	1.5-12			
C86 - 12F - 100 *		Flange	100		1.5-12	1.5-12			
C86 - 14F - 150 *	N.O.	Flange	150		1.5-12	1.5-12			

### 2 Way

#### AIR / WATER / VACUUM



**'Econo' Series ES55**  
304 St/St  
Direct Acting  
Normally Closed

Model	Function/ Port Size	Orifice BSP	CV Ømm	Pressure (Bar) Air & Fluid		Vacuum Hg"	Media Temperature	Material of Construction	Features	
				AC	DC					
<b>Normally Closed. SS304</b>										
ES55 - 1 - 1 - * V	N.C.	1/8	1.0	0.04	0-25	0-25	27	-10°C   100°C	Body: 304 Stainless Steel.  Seals: Viton  Operator: Stainless Steel	Air, Fluid & Vacuum.  Direct Acting.  11VA AC 15W DC
ES55 - 2 - 2 - * V		1/4	2.0	0.10	0-16	0-16				
ES55 - 2 - 3 - * V		1/4	3.0	0.20	0-10	0-10				
ES55 - 2 - 4 - * V	N.C.	1/4	4.0	0.40	0-6	0-6				

#### AIR / WATER / VACUUM



**'Econo' Series ES55**  
304 St/St  
Zero Differential  
Normally Closed

<b>Normally Closed. SS304</b>										
ES55 - 3 - 16 - * N	N.C.	3/8	16	4.8	0-7	0-5	27	-10°C   80°C	Body: 304 Stainless Steel.  Seals: NBR  Operator: Stainless Steel	Air, Fluid & Vacuum. 304 Body (Optional 316SS) Zero Differential ES55-3 to 6 18VA AC 16W DC ES55-7 to 9 28VA AC 24W DC
ES55 - 4 - 16 - * N		1/2	16	4.8	0-7	0-5				
ES55 - 5 - 20 - * N		3/4	20	7.6	0-7	0-5				
ES55 - 6 - 25 - * N		1	25	12	0-7	0-5				
ES55 - 7 - 35 - * N		1-1/4	35	24	0-7	0-5				
ES55 - 8 - 40 - * N		1-1/2	40	29	0-7	0-5				
ES55 - 9 - 50 - * N		2	50	48	0-7	0-5				
ES55 - 6F - 25 - * N		Flange	25	12	0-7	0-5				
ES55 - 7F - 35 - * N		Flange	35	24	0-7	0-5				
ES55 - 8F - 40 - * N		Flange	40	29	0-7	0-5				
ES55 - 9F - 50 - * N	N.C.	Flange	50	48	0-7	0-5				

#### AIR / WATER / VACUUM



**'Econo' Series ES56**  
304 St/St  
Zero Differential  
Normally Open

<b>Normally Open. SS304</b>													
ES56 - 3 - 4 - * N	N.O.	3/8	4	0.4	Air 0-7 Fluid 0-5	0-5	27	-10°C   80°C	Body: 304 Stainless Steel.  Seals: NBR  Operator: Stainless Steel	Air, Fluid & Vacuum. 304 Body (Optional 316SS) Zero Differential ES56-3 to 6 18VA AC 16W DC ES56-7 to 9 28VA AC 24W DC			
ES56 - 4 - 16 - * N		1/2	16	4.8	0-7	0-5							
ES56 - 5 - 20 - * N		3/4	20	7.6	0-7	0-5							
ES56 - 6 - 25 - * N		1	25	12	0-7	0-5							
ES56 - 7 - 35 - * N		1-1/4	35	24	0-7	0-5							
ES56 - 8 - 40 - * N		1-1/2	40	29	0-7	0-5							
ES56 - 9 - 50 - * N	N.O.	2	50	48	0-7	0-5							
Flanged available													

#### AIR / WATER



**'Econo' Series S35**  
304 St/St  
Differential  
Normally Closed

<b>Normally Closed. SS304</b>										
S35 - 2 - 10 - * E	N.C.	1/4	10	2.3	0.3-10	0.3-10	N/A	-10°C   100°C	Body: 304 Stainless Steel.  Seat: EPDM	Air, Fluid  11VA AC 15W DC
S35 - 3 - 10 - * E		3/8	10	2.3	0.3-10	0.3-10				
S35 - 4 - 10 - * E		1/2	10	3	0.3-10	0.3-10				
S35 - 5 - 20 - * E		3/4	20	10	0.3-16	0.3-16				
S35 - 6 - 25 - * E		1	25	11	0.3-16	0.3-16				
S35 - 7 - 40 - * E		1-1/4	40	28	0.7-16	0.7-16				
S35 - 8 - 40 - * E		1-1/2	40	34	0.7-16	0.7-16				
S35 - 9 - 50 - * E	N.C.	2	50	50	0.7-16	0.7-16				
Flanged available										

#### AIR / WATER



**'Econo' Series S36**  
304 St/St  
Differential  
Normally Open

<b>Normally Open. SS304</b>										
S36 - 5 - 20 - * E	N.O.	3/4	20	10	0.3-16	0.3-16	N/A	-10°C   100°C	Body: 304 Stainless Steel.  Seat: EPDM	Air, Fluid  11VA AC 15W DC
S36 - 6 - 25 - * E		1	25	11	0.3-16	0.3-16				
S36 - 7 - 40 - * E		1-1/4	40	28	0.7-16	0.7-16				
S36 - 8 - 40 - * E		1-1/2	40	34	0.7-16	0.7-16				
S36 - 9 - 50 - * E	N.O.	2	50	50	0.7-16	0.7-16				
Flanged available										

#### POTABLE WATER



**Series WS35 WaterMark**  
304 St/St  
Differential  
Normally Closed

<b>Normally Closed. SS304 (Watermark Approved)</b>										
WS35 - 4 - 16 - * E	N.C.	1/2	16	3	0-7	0-7	N/A	-10°C   80°C	Body: 304 Stainless Steel.  Seat: EPDM 	Air, Fluid  Watermark License WMKA 21409 28VA AC 24W DC
WS35 - 5 - 20 - * E		3/4	20	10	0-7	0-7				
WS35 - 6 - 25 - * E		1	25	11	0-7	0-7				
WS35 - 7 - 40 - * E		1-1/4	40	28	0-7	0-7				
WS35 - 8 - 40 - * E		1-1/2	40	34	0-7	0-7				
WS35 - 9 - 50 - * E	N.C.	2	50	50	0-7	0-7				

#### POTABLE WATER



**Series WS36 WaterMark**  
304 St/St  
Differential  
Normally Open

<b>Normally Open. SS304 (Watermark Approved)</b>										
WS36 - 4 - 16 - * E	N.O.	1/2	16	4.8	0-7	0-7	N/A	-10°C   80°C	Body: 304 Stainless Steel.  Seat: EPDM 	Air, Fluid  Watermark License WMKA 21409 28VA AC 24W DC
WS36 - 5 - 20 - * E		3/4	20	10	0-7	0-7				
WS36 - 6 - 25 - * E		1	25	11	0-7	0-7				
WS36 - 7 - 40 - * E		1-1/4	40	28	0.7 - 16	0.7 - 16				
WS36 - 8 - 40 - * E		1-1/2	40	34	0.7 - 16	0.7 - 16				
WS36 - 9 - 50 - * E	N.O.	2	50	50	0.7 - 16	0.7 - 16				

## 2 Way / 2 Position Solenoid Valves Normally Closed (N.C.) & Normally Open (N.O.) Air / Fluid • Steam / High Temperature

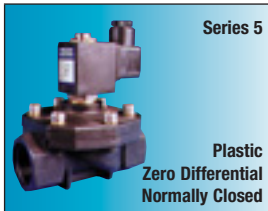
### 2 Way

#### AIR / FLUID



Model	Function/ Port Size	Orifice BSP	CV Ømm	Pressure (Bar) Air & Fluid		Vacuum Hg"	Media Temperature	Material of Construction	Features
				AC	DC				
<b>Normally Closed. GR NYLON</b>									
P45 - 3 - 10 - *V	N.C.	3/8	10	0.5-7	0.5-7	N/A	5°C   65°C	Body: G.R. Nylon	Air & Fluid.
P45 - 4 - 12 - *V		1/2	12	0.5-7	0.5-7				
P45 - 5 - 20 - *V		3/4	20	0.5-7	0.5-7				
P45 - 6 - 25 - *V		1	25	0.5-7	0.5-7				
P45 - 7 - 35 - *V		1-1/4	35	0.5-7	0.5-7				
P45 - 8 - 40 - *V	N.C.	1-1/2	40	0.5-7	0.5-7				
Change 'N' to 'V' for Viton									
Operator: Stainless Steel 10VA AC 7W DC									

#### AIR / FLUID



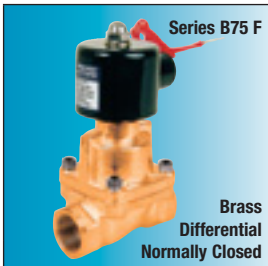
Model	Function/ Port Size	Orifice BSP	CV Ømm	Pressure (Bar) Air & Fluid		Vacuum Hg"	Media Temperature	Material of Construction	Features
				AC	DC				
<b>Normally Closed. GR NYLON</b>									
P55 - 2 - 8 - *N	N.C.	1/4	8	0-7	0-6	27	5°C   65°C	Body: G.R. Nylon	Air & Fluid.
P55 - 3 - 10 - *N		3/8	10	0-7	0-6				
P55 - 4 - 12 - *N		1/2	12	0-7	0-6				
P55 - 5 - 20 - *N		3/4	20	0-7	0-2				
P55 - 6 - 20 - *N	N.C.	1	20	0-7	0-2				
Seals: NBR Operator: Stainless Steel 10VA AC 7W DC									

#### AIR / FLUID



Model	Function/ Port Size	Orifice BSP	CV Ømm	Pressure (Bar) Air & Fluid		Vacuum Hg"	Media Temperature	Material of Construction	Features
				AC	DC				
<b>Normally Closed. PVC</b>									
UP55 - 4 - 10 - *V	N.C.	1/2	10	0-1	-	N/A	-10°C   60°C	Body: PVC	Air & Fluid. Direct Acting Plunger
Seals: Viton. Operator: Stainless Steel 10VA AC 15W DC Liquid head pressure, 1 bar = 10 metres water									
Predominantly used as a drain valve									

#### STEAM / HIGH TEMP



Model	Function/ Port Size	Orifice BSP	CV Ømm	Pressure (Bar) Air & Fluid		Vacuum Hg"	Media Temperature	Material of Construction	Features
				AC	DC				
<b>Normally Closed. BRASS</b>									
B75 - 2 - 3 - * TF	N.C.	1/4	3	0.26	0-10	27"	-10°C   180°C	Body: Brass	Steam (180°C) Air & Oil (200°C) High Temp. Piston Type.
B75 - 2 - 5 - * TF		1/4	5	0.64	0-6				
B75 - 3 - 4 - * TF		3/8	4	0.58	0-10				
B75 - 3 - 15 - * TF		3/8	15	4.5	0.5-10				
B75 - 4 - 15 - * TF		1/2	15	4.5	0.5-10				
B75 - 5 - 20 - * TF		3/4	20	9.3	0.5-10				
B75 - 6 - 25 - * TF		1	25	13.2	0.5-10				
B75 - 7 - 35 - * TF		1-1/4	35	26	0.5-10	N/A		Seals: P.T.F.E.	B75-2 9VA AC 8W DC B75-3 to B75-9 15VA AC 13W DC
B75 - 8 - 35 - * TF		1-1/2	35	26	0.5-10				
B75 - 9 - 50 - * TF	N.C.	2	50	48	0.5-10				
Also available to 250°C F = Flying Lead for 180°C H.T. coil (Optional H.T. DIN Coil)									

#### STEAM / HIGH TEMP



Model	Function/ Port Size	Orifice BSP	CV Ømm	Pressure (Bar) Air & Fluid		Vacuum Hg"	Media Temperature	Material of Construction	Features
				AC	DC				
<b>Normally Closed. SS304</b>									
S75 - 3 - 15 - * TF	N.C.	3/8	15	4.5	0.5-10	N/A	-10°C   180°C	Body: 304SS Option: 316SS	Steam (180°C) Air & Oil (200°C) High Temp. Piston Type.
S75 - 4 - 15 - * TF		1/2	15	4.5	0.5-10				
S75 - 5 - 20 - * TF		3/4	20	9.3	0.5-10				
S75 - 6 - 25 - * TF		1	25	13.2	0.5-10				
S75 - 7 - 35 - * TF		1-1/4	35	26	0.5-10				
S75 - 8 - 35 - * TF		1-1/2	35	26	0.5-10				
S75 - 9 - 50 - * TF	N.C.	2	50	48	0.5-10				
Also available to 250°C F = Flying Lead for 180°C H.T. coil (Optional H.T. DIN Coil)									
Seals: P.T.F.E. Operator: Stainless Steel Optional: High Temp. to 250°C									

B76 Normally Open steam solenoid valves available. 1/2"~2" – Contact us for details

#### STEAM VALVES - ACTUATED

BALL VALVES - 316S/S - Pneumatic or Electric - Page 15 & 17

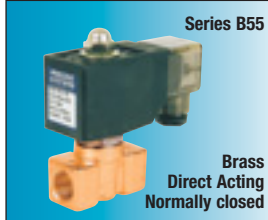
ANGLE SEAT - 316S/S - Pneumatic Normally Closed - Page 27

### 2 Way

Model	Function/ Port Size	Orifice Ømm	CV	Pressure (Bar) Air & Fluid		Vacuum Hg"	Media Temperature	Material of Construction	Features
				BSP	CV				

#### PETROCHEMICAL

#### 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	Air, Fluid & Vacuum Direct Acting. Part # B55-2 11.4VA AC 12W 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	27	100°C	Seals: Viton (std) PTFE EPDM Silicone	Optional: Explosion proof (See pages 7) 19VA AC 18W DC
B55 - 3 - 4 - * V		3/8	4	0.58	0-10	0-10				
B55 - 3 - 6 - * V		3/8	6	0.79	0-5	0-5	27	100°C	Operator: Stainless Steel	Manual Override Optional
B55 - 3 - 8 - * V		3/8	8	0.97	0-2	0-2				
B55 - 4 - 6 - * V	N.C.	1/2	6	0.79	0-5	0-5	27	100°C	Operator: Stainless Steel	Manual Override Optional
B55 - 4 - 8 - * V		1/2	8	0.97	0-2	0-2				

#### PETROCHEMICAL

#### Normally Closed. BRASS - Coupled Diaphragm



B55 - 3 - 15 - * V	N.C.	3/8	15	4.5	0-10	0-10	27	-10°C	Body: Brass	Air, Fluid & Vacuum
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	27	100°C	Seals: Viton (std) EPDM Silicone	Optional: Explosion proof (See pages 7) 19VA AC 18W DC
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	27	100°C	Operator: Stainless Steel	Manual Override Optional
B55 - 8 - 35 - * V		1-1/2	35	26	0-10	0-10				
B55 - 9 - 50 - * V		2	50	48	0-7	0-7	27	100°C	Operator: Stainless Steel	Manual Override Optional
B55 - 6F - 25 - * V		Flange	25	13.2	0-10	0-10				
B55 - 7F - 35 - * V		Flange	35	26	0-10	0-10	27	100°C	Operator: Stainless Steel	Manual Override Optional
B55 - 8F - 35 - * V		Flange	35	26	0-10	0-10				
B55 - 9F - 50 - * V	N.C.	Flange	50	48	0-7	0-7	27	100°C	Operator: Stainless Steel	Manual Override Optional
B55 - 9F - 50 - * V		Flange	50	48	0-7	0-7				

#### PETROCHEMICAL

#### Normally Open. BRASS



B56 - 2 - 3 - * V	N.O.	1/4	3	0.26	0-10	0-10	N/A	-10°C	Body: Brass	Air & Fluid Normally Open. Direct and 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	N/A	100°C	Seals: Viton (std) Silicone EPDM	Part #s B56-2 to B56-4 24.4VA AC 17.5W DC 6A-8A
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	N/A	100°C	Operator: Stainless Steel	Part #s B56-3~ B56-9 15.4VA AC 12W DC
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	N/A	100°C	Operator: Stainless Steel	Part #s B56-3~ B56-9 15.4VA AC 12W DC
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	N/A	100°C	Operator: Stainless Steel	Part #s B56-3~ B56-9 15.4VA AC 12W DC
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	N/A	100°C	Operator: Stainless Steel	Part #s B56-3~ B56-9 15.4VA AC 12W DC
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	N/A	100°C	Operator: Stainless Steel	Part #s B56-3~ B56-9 15.4VA AC 12W DC
B56 - 9 - 50 - * V		2	50	48	0.5-7	0.5-7				

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



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

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



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

#### 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: 316 Stainless Steel	Air, Fluid Normally Open. Direct & 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	27	100°C	Seals: Viton (std.) Silicone. P.T.F.E.	Part #s S56-2 to S56-4 24.4VA AC 17.5W DC
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	27	100°C	Operator: Stainless Steel	Part #s S56-3 to S56-9 15.4VA AC 12W DC
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	27	100°C	Operator: Stainless Steel	Part #s S56-3 to S56-9 15.4VA AC 12W DC
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	27	100°C	Operator: Stainless Steel	Part #s S56-3 to S56-9 15.4VA AC 12W DC
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	27	100°C	Operator: Stainless Steel	Part #s S56-3 to S56-9 15.4VA AC 12W DC
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	27	100°C	Operator: Stainless Steel	Part #s S56-3 to S56-9 15.4VA AC 12W DC
S56 - 6F - 25 - * V		Flange	25	13.2	0.5-10	0.5-10				
S56 - 7F - 35 - * V		Flange	35	26	0.5-10	0.5-10	27	100°C	Operator: Stainless Steel	Part #s S56-3 to S56-9 15.4VA AC 12W DC
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	27	100°C	Operator: Stainless Steel	Part #s S56-3 to S56-9 15.4VA AC 12W DC
S56 - 9F - 50 - * V		Flange	50	48	0.5-7	0.5-7				

### High Pressure

#### AIR / FLUID



Model	Function/ Port Size	Orifice Ømm	CV CV	Pressure (Bar) Air & Fluid		Vacuum Hg"	Media Temperature	Material of Construction	Features				
				AC	DC								
B55 - 2 - 1.2 * TH	N.C.	1/4	1.2	0.07	0-120	0-84	27	-10°C	Body: Brass Seals: Teflon Viton 2-4/2-5	Air, Fluid & Vacuum Direct Acting -TH 24.4VA AC 17.5W DC -TFH 55VA AC 18W DC T H has DIN plug T F has flying leads			
B55 - 2 - 1.2 * TFH			1.2	0.07	0-150	0-105							
B55 - 2 - 1.6 * TH			1.6	0.09	0-60	0-42							
B55 - 2 - 1.6 * TFH			1.6	0.09	0-80	0-56							
B55 - 2 - 2 * TH			2	0.11	0-30	0-21							
B55 - 2 - 2 * TFH			2	0.11	0-60	0-42							
B55 - 2 - 3 * TH			3	0.26	0-20	0-14							
B55 - 2 - 3 * TFH			3	0.26	0-40	0-28							
B55 - 2 - 4 * VH			4	0.58	0-12	0-8							
B55 - 2 - 4 * VFH			4	0.58	0-20	0-14							
B55 - 2 - 5 * VH			5	0.64	0-10	0-7							
B55 - 2 - 5 * VFH	N.C.	1/4	5	0.64	0-15	0-10						120°C	

#### AIR / FLUID



Model	Function/ Port Size	Orifice Ømm	CV CV	Pressure (Bar) Air & Fluid		Vacuum Hg"	Media Temperature	Material of Construction	Features				
				AC	DC								
S55 - 2 - 1.2 * TH	N.C.	1/4	1.2	0.07	0-120	0-84	27	-10°C	Body: 316 Stainless Steel. Seals: Teflon Viton 2-4/2-5	Air, Fluid & Vacuum Direct Acting -TH 24.4VA AC 17.5W DC -TFH 55VA AC 18W DC T H has DIN plug T F has flying leads			
S55 - 2 - 1.2 * TFH			1.2	0.07	0-150	0-105							
S55 - 2 - 1.6 * TH			1.6	0.09	0-60	0-42							
S55 - 2 - 1.6 * TFH			1.6	0.09	0-80	0-56							
S55 - 2 - 2 * TH			2	0.11	0-30	0-21							
S55 - 2 - 2 * TFH			2	0.11	0-60	0-42							
S55 - 2 - 3 * TH			3	0.26	0-20	0-14							
S55 - 2 - 3 * TFH			3	0.26	0-40	0-28							
S55 - 2 - 4 * VH			4	0.58	0-12	0-8							
S55 - 2 - 4 * VFH			4	0.58	0-20	0-14							
S55 - 2 - 5 * VH			5	0.64	0-10	0-7							
S55 - 2 - 5 * VFH	N.C.	1/4	5	0.64	0-15	0-10						120°C	

#### AIR / FLUID



Model	Function/ Port Size	Orifice Ømm	CV CV	Pressure (Bar) Air & Fluid		Vacuum Hg"	Media Temperature	Material of Construction	Features	
				AC	DC					
B75 - 3 - 15 * T	N.C.	3/8	15	4.5	0.5-20	0.5-20	N/A	-10°C	Body: Brass Seals: Teflon Operator: Stainless Steel	Air, Fluid High Press. Piston Type. Optional: coils & High temp. Steam Valve 24.4VA AC 17.5W DC
B75 - 4 - 15 * T		1/2	15	4.5	0.5-20	0.5-20				
B75 - 5 - 20 * T		3/4	20	9.3	0.5-20	0.5-20				
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				
B75 - 3 - 15 * TH		3/8	15	4.5	0.5-40	0.5-40				
B75 - 4 - 15 * TH		1/2	15	4.5	0.5-40	0.5-40				
B75 - 5 - 20 * TH		3/4	20	9.3	0.5-40	0.5-40				
B75 - 6 - 25 * TH		1	25	13.2	0.5-40	0.5-40				
B75 - 7 - 35 * TH		1 1/4	35	26	0.5-40	0.5-40				
B75 - 8 - 35 * TH		1 1/2	35	26	0.5-40	0.5-40				
B75 - 9 - 50 * TH		2	50	48	0.5-40	0.5-40				
B75 - 3 - 15 * THH		3/8	15	4.5	0.5-80	0.5-80				
B75 - 4 - 15 * THH		1/2	15	4.5	0.5-80	0.5-80				
B75 - 5 - 20 * THH		3/4	20	9.3	0.5-80	0.5-80				
B75 - 6 - 25 * THH		1	25	13.2	0.5-80	0.5-80				
B75 - 7 - 35 * THH		1 1/4	35	26	0.5-80	0.5-80				
B75 - 8 - 35 * THH		1 1/2	35	26	0.5-80	0.5-80				
B75 - 9 - 50 * THH	N.C.	2	50	48	0.5-80	0.5-80		120°C		

#### AIR / FLUID



Model	Function/ Port Size	Orifice Ømm	CV CV	Pressure (Bar) Air & Fluid		Vacuum Hg"	Media Temperature	Material of Construction	Features				
				AC	DC								
S75 - 3 - 15 * T	N.C.	3/8	15	4.5	0.5-25	0.5-25	N/A	-10°C	Body: 304 SS Seals: Teflon Operator: Stainless Steel	Air, Fluid High Press. Piston Type. Optional: High temperature Steam Valve 24.4VA AC 17.5W DC			
S75 - 4 - 15 * T		1/2	15	4.5	0.5-25	0.5-25							
S75 - 5 - 20 * T		3/4	20	9.3	0.5-25	0.5-25							
S75 - 6 - 25 * T		1	25	13.2	0.5-25	0.5-25							
S75 - 7 - 35 * T		1 1/4	35	26	0.5-25	0.5-25							
S75 - 8 - 35 * T		1 1/2	35	26	0.5-25	0.5-25							
S75 - 9 - 50 * T		2	50	48	0.5-25	0.5-25							
S75 - 6F - 25 * T		Flange	25	13.2	0.5-25	0.5-25							
S75 - 7F - 35 * T		Flange	35	26	0.5-25	0.5-25							
S75 - 8F - 35 * T		Flange	35	26	0.5-25	0.5-25							
S75 - 9F - 50 * T	N.C.	Flange	50	48	0.5-25	0.5-25						120°C	

#### AIR / FLUID

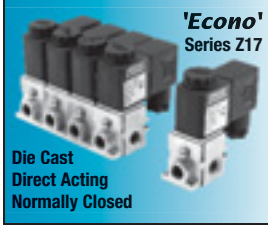


Model	Function/ Port Size	Orifice Ømm	CV CV	Pressure (Bar) Air & Fluid		Vacuum Hg"	Media Temperature	Material of Construction	Features				
				AC	DC								
B76 - 3 - 15 * T	N.O.	3/8	15	4.5	0.5-10	0.5-10	N/A	-10°C	Body: Brass Seals: Teflon Operator: Stainless Steel	Air, Fluid High Press. Piston Type 24.4VA AC 17.5W DC			
B76 - 4 - 15 * T		1/2	15	4.5	0.5-10	0.5-10							
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 - 7 - 35 * T		1 1/4	35	26	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		2	50	48	0.5-10	0.5-10							
B76 - 6F - 25 * T		Flange	25	13.2	0.5-10	0.5-10							
B76 - 7F - 35 * T	N.O.	Flange	35	26	0.5-10	0.5-10						160°C	



### Air / Fluid 3 Way

#### AIR



Model	Function/ Port Size BSP	Orifice Ømm	CV CV	Pressure (Bar) Air & Fluid		Vacuum Hg"	Media Temperature	Material of Construction	Features
				AC	DC				
<b>3/2 Way Normally Closed. Manual Override. ZINC</b>									
Z17 - 1 - 1 - * NM	N.C. 1/8	1.0	0.04	0-10	0-10	27	5°C - 80°C	Body: Zinc Diecast Seals: NBR  Operator: Stainless Steel	Air  Manifold up to 10 Valves  Manual Override  8.5VA AC 6.5W DC

#### AIR



<b>3/2 Solenoid Banjo Mounting. Manual Override. NYLON</b>									
P17 - 1 - 1.3 - * NM	1/8	1.3	0.15	0-8	0-8	Solenoid/ Spring Return	-5°C   80°C	Body: Nylon Banjo: 304SS	Air  Manual Override
P17 - 2 - 1.3 - * NM	1/4	1.3	0.15	0-8	0-8	Direct Mount		Seals: NBR	4VA AC 2.8W DC  Banjo Mount direct into Valve Port

#### AIR / FLUID



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

#### AIR / FLUID



<b>3/2 Way Normally Closed / Normally Open - Manual Override. SS304</b>									
S27 - 2 - 2 - * VM	N.C. 1/4	2	0.1	0-12	0-12	⊥ 27	-10°C   100°C	Body: 304 Stainless Steel.  Seals: Viton  Operator: Stainless Steel	Air, Fluid Vacuum.  Manual Override.  10VA AC 7W DC
S28 - 2 - 2 - * VM	N.O. 1/4	2	0.1	0-12	0-12	⊥			

#### AIR / FLUID




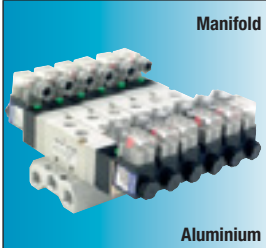


<b>3/2 Way Normally Closed. SS304</b>									
ES57 - 1 - 1.5 - * V	N.C. 1/8	1.5	0.06	0-16	0-16	27	-10°C   100°C	Body: 304 Stainless Steel.  Seals: Viton  Operator: Stainless Steel	Air, Fluid Vacuum.  Direct Acting.  11VA AC 15W DC
ES57 - 2 - 2 - * V	N.C. 1/4	2.0	0.20	0-10	0-10	27			

#### 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   80°C	Body: Aluminium  Seals: NBR  Operator: Stainless Steel	Air  Manual Override on 1/4"  High Pressure.  12VA AC 12W DC
A67 - 4 - 15 - * N	N.C. 1/2	12		0.5-24	0.5-24	—			
Special version for Vacuum also available									

Air 5 Way	Model	Function/ Port Size		Orifice/CV		Pressure (Bar) Air & Fluid		Description	Media Temperature	Material of Construction	Features	
		BSP	Ømm	CV	AC	DC						
<b>AIR</b>	<b>5/2 Solenoid / Spring. ALUMINIUM</b>											
 <p>Series A69 Aluminium</p>	A69 - 1 - 5 - *NM	5/2	1/8	5	0.67	1.5-8	1.5-8	5/2 Way Solenoid Operated - Spring Return	5°C   80°C	Aluminium Body & Spool. P.O.M. Ends.  Seals: NBR.  Operator: Brass & Stainless Steel	Air Manual Override. High Flow 8.5VA AC 6.5W DC	
	A69 - 2 - 7 - *NM	5/2	1/4	7	2	1.5-8	1.5-8					
	A69 - 3 - 7 - *NM	5/2	3/8	7	2	1.5-8	1.5-8					
	A69 - 4 - 8 - *NM	5/2	1/2	8	2.8	1.5-8	1.5-8					
<b>AIR</b>	<b>5/2 Solenoid / Solenoid. ALUMINIUM</b>											
 <p>Series A610 Aluminium</p>	A610 - 1 - 5 - *NM	5/2	1/8	5	0.67	1.5-8	1.5-8	5/2 Way Double Solenoid	5°C   80°C	Aluminium Body & Spool. P.O.M. Ends.  Seals: NBR.  Operator: Brass & Stainless Steel	Air Manual Override. High Flow 8.5VA AC 6.5W DC	
	A610 - 2 - 7 - *NM	5/2	1/4	7	2	1.5-8	1.5-8					
	A610 - 3 - 7 - *NM	5/2	3/8	7	2	1.5-8	1.5-8					
	A610 - 4 - 8 - *NM	5/2	1/2	8	2.8	1.5-8	1.5-8					
<b>AIR</b>	<b>5/3 Solenoid / Solenoid. Closed Centre + Open Centre. ALUMINIUM</b>											
 <p>Series A611 A612 Aluminium</p>	A611 - 2 - 7 - *NM	5/3	1/4	7	2	1.5-8	1.5-8	5/3 Way Closed centre	5°C   80°C	Aluminium Body & Spool. P.O.M. Ends.  Seals: NBR.  Operator: Brass & Stainless Steel	Air Manual Override. High Flow 8.5VA AC 6.5W DC	
	A611 - 3 - 7 - *NM	5/3	3/8	7	2	1.5-8	1.5-8					
	A611 - 4 - 8 - *NM	5/3	1/2	8	2.8	1.5-8	1.5-8					
	A612 - 2 - 7 - *NM	5/3	1/4	7	2	1.5-8	1.5-8	5/3 Way Open centre				
	A612 - 3 - 7 - *NM	5/3	3/8	7	2	1.5-8	1.5-8					
	A612 - 4 - 8 - *NM	5/3	1/2	8	2.8	1.5-8	1.5-8					
<b>AIR</b>	<b>Manifold. ALUMINIUM</b>											
 <p>Manifold Aluminium</p>	2SM - #	STATIONS		Any size or valve style 5/2 way or 5/3 way can be manifolded.				1/8"		Air		
	4SM - #	2										
	6SM - #	4			Also mixed solenoid/spring & double solenoid can be mounted on the one manifold.				1/4"		Large Supply & Exhaust Capacity	
	8SM - #	6										
	10SM - #	8			Specials: - Up to 15 stations				3/8"			
	12SM - #	10										
	BP - #	12			For Odd No's. Blank One Station				1/2"			
	# - Value port size i.e. 1/8", 1/4", 3/8", 1/2"	Blanking Plate										


SEE OVER PAGE FOR MORE NAMUR 5 WAY VALVES

<b>Air</b> <b>3/2 &amp; 5/2</b>	Model	Function/ Port Size	Orifice CV		Pressure (Bar) Air & Fluid		Description	Media Temperature	Material of Construction	Features
			BSP	Ømm	CV	AC				


**AIR 3/2 Solenoid. Banjo Mounting. Manual Override. GR NYLON**

 <p>Series 1</p>	P17 - 1 - 1.3 - *NM	1/8	1.3	0.15	0-8	0-8	Solenoid/ Spring Return	5°C   80°C	Body: Nylon Banjo St/St. Seals: NBR	Air Manual Override.  4VA AC 2.8W DC
	P17 - 2 - 1.3 - *NM	1/4	1.3	0.15	0-8	0-8	Direct Mount			


**AIR 5/2 NAMUR Solenoid / Spring. Manual Override. ALUMINIUM**

 <p>'Econo' ALUM NAMUR</p>	ENS12*5 Solenoid/Spring	1/4	5	1.4	1.5-8	1.5-8	Solenoid/ Spring Return	5°C   80°C	Body & Spool: Aluminium P.O.M. Ends. Seals: NBR	Air Manual Override.  High Flow  8.5VA AC 6.5W DC
	END12*5 Solenoid/Solenoid	1/4	5	1.4	1.5-8	1.5-8	Solenoid/ Solenoid			

**AIR 5/2 Air Pilot. NAMUR. ALUMINIUM**





 <p>Series ANP</p>	ANPS - 2 - 5 - N	1/4	5	1.4	1.5-8	1.5-8	Pilot/Spr.	5°C   80°C	Body & Spool: Aluminium P.O.M. Ends. Seals: NBR	Air
	ANPP - 2 - 5 - N	1/4	5	1.4	1.5-8	1.5-8	Pilot/Pilot			

**AIR 3/2 + 5/2 NAMUR Solenoid. • Exm • Exia • Exd • IP65. Manual Override**

 <p>Single Solenoid Alum St/St</p>	Model	Options				Manual Override	
		Body Material	Coil Type				
	3/2 + 5/2 Sol./Spring		IP65	Exm	Exia	Exd	
	ANS - 2 - 5 - *NM	Black Anodised Aluminium	✓	✓	✓	✓	✓
	SNS - 2 - 5 - *NM	304SS, Plastic End Cap	✓	✓	N/A	N/A	✓
	SSNS - 2 - 5 - *NM	All St/St (304, 316 or 316L)	✓	✓	N/A	N/A	✓
 <p>Double Solenoid Alum St/St</p>	3/2 + 5/2 Sol./Sol.	Body Material	IP65	Exm	Exia	Exd	
	AND - 2 - 5 - *NM	Black Anodised Aluminium	✓	✓	✓	✓	✓
	SND - 2 - 5 - *NM	304SS, Plastic End Cap	✓	✓	N/A	N/A	✓
	SSND - 2 - 5 - *NM	All St/St (304, 316 or 316L)	✓	✓	N/A	N/A	✓
<ul style="list-style-type: none"> <li>• BSP Standard (NPT Optional)</li> <li>• Voltages IP65 - 12, 24V DC, 110/240V AC Exm - 24V DC, 110/240V AC Exia - 24V DC</li> </ul>		<ul style="list-style-type: none"> <li>* Insert Voltage Code and add Coil Type to end part of Part Number. All values come with a 3/2 and 5/2 adapter plate. e.g. SNS - 2 - 5 - 8N Exm</li> </ul>					






PVC Corrosive		Actuator	Port Size BSP	Orifice Ømm	Media Pressure	Media Temperature	Actuator Air Pressure	Material of Construction	Features
<b>AIR / FLUID / CHEMICAL 2 Way - Double Acting Pneumatic</b>									
 <p>Series BLP Double Acting Plastic Body</p>	BLP4B - DA - E	DA52	1/2	15	Vacuum	Ambient	6-8 BAR	UPVC Body (std.) (Also P.P. & PVDF) P.T.F.E. Seats O-rings E=EPDM V=Viton	True Union with Safety Block. Stainless Steel Adaptor and Yoke. BSP or Solvent Weld Actuator std. aluminium Optional plastic or Stainless Steel
	BLP5B - DA - E	DA52	3/4	20					
	BLP6B - DA - E	DA52	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		
	BLP10B - DA - E	DA75	2-1/2	65					
	BLP11B - DA - E	DA85	3	80					
	BLP12B - DA - E	DA100	4	100					
	Flanged upon request – Viton available, change 'E' to 'V'								
<b>AIR / FLUID / CHEMICAL 2 Way - Spring Return Pneumatic</b>									
 <p>Series BLP Single Acting Plastic Body</p>	BLP54B - SR - E	SR52	1/2	15	Vacuum	Ambient	6-8 BAR	UPVC Body (std.) (Also P.P. & PVDF) P.T.F.E. Seats O-rings E=EPDM V=Viton	True Union with Safety Block. Stainless Steel Adaptor and Yoke. BSP or Solvent Weld Actuator std. aluminium Optional plastic or Stainless Steel
	BLP55B - SR - E	SR52	3/4	20					
	BLP56B - SR - E	SR52	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		
	BLP510B - SR - E	SR85	2-1/2	65					
	BLP511B - SR - E	SR100	3	80					
	BLP512B - SR - E	SR115	4	100					
	Flanged upon request – For normally open function change 4th digit to 6								
<b>AIR / FLUID / CHEMICAL 2 Way - Electric On/Off</b>									
 <p>Series BLP Electric Actuated Plastic Body</p>	BLP4B - TE* - E	T15	1/2	15	Vacuum	Ambient	E1=240VAC E2=110VAC E5=24VAC E7=12VDC E8=24VDC E11=415V NOTE: All have manual override except OM-A	UPVC Body (std.) (Also P.P. & PVDF) P.T.F.E. Seats O-rings E=EPDM V=Viton	True Union with Safety Block. Stainless Steel Adaptor and Yoke. Actuator - see Series 'OM' for details. BSP or Solvent Weld
	BLP4B - E* - E	OM-1	1/2	15					
	BLP5B - TE* - E	T15	3/4	20					
	BLP5B - E* - E	OM-1	3/4	20					
	BLP6B - TE* - E	T15	1	25					
	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					
	BLP10B - AE* - E	OM-A	2-1/2	65					
	BLP10B - 2E* - E	OM-2	2-1/2	65					
	BLP11B - AE* - E	OM-A	3	80					
	BLP11B - 2E* - E	OM-2	3	80					
	BLP12B - E* - E	OM-3	4	100					
Flanged upon request									
<b>AIR / FLUID / CHEMICAL 2 Way - Manual Handle</b>									
 <p>Series BLP Plastic Body</p>	BLP4B - L - E		1/2	15	Vacuum	Ambient		UPVC Body (std.) (Also P.P. & PVDF) P.T.F.E. Seats O-rings E=EPDM V=Viton	True Union with Safety Block. Stainless Steel
	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						
10 BAR Ambient									

REFER TO PAGE 8, 9 & 10 FOR SUITABLE SOLENOID CONTROL VALVE


3 WAY L-PORT AND T-PORT ARE AVAILABLE ON REQUEST.

Model	Actuator	Port Size BSP	Orifice Ømm	Media Pressure	Media Temperature	Actuator Air Pressure	Material of Construction	Features
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### AIR / FLUID / PETROCHEMICAL 2 Way - Double Acting Pneumatic


Series BLB	Model	Actuator	Port Size BSP	Orifice Ømm	Media Pressure	Media Temperature	Actuator Air Pressure	Material of Construction	Features
 <p>Double Acting Ball Valve Brass Body</p>	BLB4B - DA - T	DA32	1/2	15	Vacuum	-20°C	6-8 BAR	Body: Brass	Direct Mount Compact Design. Standard with aluminium actuator. Optional Plastic or Stainless Steel actuator.
	BLB5B - DA - T	DA32	3/4	20					
	BLB6B - DA - T	DA32	1	25					
	BLB7B - DA - T	DA32	1-1/4	32					
	BLB8B - DA - T	DA52	1-1/2	40					
	BLB9B - DA - T	DA52	2	50					
	BLB10B - DA - T	DA63	2-1/2	65	16 BAR	140°C	6-8 BAR	P.T.F.E. Seats Viton Seals	
	BLB11B - DA - T	DA63	3	80					
	BLB12B - DA - T	DA85	4	100					

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

Series BLB	Model	Actuator	Port Size BSP	Orifice Ømm	Media Pressure	Media Temperature	Actuator Air Pressure	Material of Construction	Features
 <p>Spring Return Acting Ball Valve Brass Body</p>	BLB54B - SR - T	SR52	1/2	15	Vacuum	-20°C	6-8 BAR	Body: Brass	Direct Mount Compact Design. Standard with aluminium actuator. Optional Plastic or Stainless Steel actuator.
	BLB55B - SR - T	SR52	3/4	20					
	BLB56B - SR - T	SR52	1	25					
	BLB57B - SR - T	SR52	1-1/4	32					
	BLB58B - SR - T	SR63	1-1/2	40					
	BLB59B - SR - T	SR63	2	50					
	BLB510B - SR - T	SR85	2-1/2	65	16 BAR	140°C	6-8 BAR	P.T.F.E. Seats Viton Seals	
	BLB511B - SR - T	SR85	3	80					
	BLB512B - SR - T	SR100	4	100					


For normally open function change 4th digit to 6

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

Series BLB	Model	Actuator	Port Size BSP	Orifice Ømm	Media Pressure	Media Temperature	Actuator Air Pressure	Material of Construction	Features
 <p>Electric Actuated Ball Valve Brass Body</p>	BLB4B - TE* - T	T15	1/2	15	Vacuum	-20°C	E1=240VAC E2=110VAC E5=24VAC E7=12VDC E8=24VDC E11=415V	Body: Brass	2 piece Compact Brass ball valve with electric actuator.  See Series 'OM' for actuator details. P23
	BLB4B - E* - T	OM-1	1/2	15					
	BLB5B - TE* - T	T15	3/4	20					
	BLB5B - E* - T	OM-1	3/4	20					
	BLB6B - TE* - T	T15	1	25					
	BLB6B - E* - T	OM-1	1	25					
	BLB7B - E* - T	OM-1	1-1/4	32					
	BLB8B - E* - T	OM-1	1-1/2	40					
	BLB9B - E* - T	OM-1	2	50					
	BLB10B - AE* - T	OM-A	2-1/2	65					
	BLB10B - 2E* - T	OM-2	2-1/2	65					
	BLB11B - AE* - T	OM-A	3	80					
	BLB11B - 2E* - T	OM-2	3	80					
	BLB12B - E* - T	OM-2	4	100					


NOTE: OM-A has no manual override.

### AIR / FLUID / PETROCHEMICAL 3 Way - Double Acting Pneumatic

Series BLB	Model	Actuator	Port Size BSP	Orifice Ømm	Media Pressure	Media Temperature	Actuator Air Pressure	Material of Construction	Features
 <p>Double Acting Ball Valve 'L' or 'T' Port Brass Body</p>	BLB3L4B - DA - T	DA52	1/2	12.7	Vacuum	-20°C	6-8 BAR	Body: Brass	Compact Design. Standard with aluminium actuator. Optional plastic or Stainless Steel Actuator
	BLB3L5B - DA - T	DA52	3/4	20					
	BLB3L6B - DA - T	DA52	1	25					
	BLB3L7B - DA - T	DA52	1-1/4	32	10 BAR	140°C	6-8 BAR	P.T.F.E. Seats Viton Seals	
	BLB3L8B - DA - T	DA63	1-1/2	40					
	BLB3L9B - DA - T	DA63	2	50					


3L = 'L' port  
3T = 'T' port

### AIR / FLUID / PETROCHEMICAL 3 Way - Spring Return Pneumatic

Series BLB	Model	Actuator	Port Size BSP	Orifice Ømm	Media Pressure	Media Temperature	Actuator Air Pressure	Material of Construction	Features
 <p>Spring Return Ball Valve 'L' or 'T' Port Brass Body</p>	BLB3L4B - SR - T	SR52	1/2	12.7	Vacuum	-20°C	6-8 BAR	Body: Brass	Compact Design Standard with aluminium actuator. Optional plastic or Stainless Steel Actuator
	BLB3L5B - SR - T	SR52	3/4	20					
	BLB3L6B - SR - T	SR63	1	25					
	BLB3L7B - SR - T	SR63	1-1/4	32	10 BAR	140°C	6-8 BAR	P.T.F.E. Seats Viton Seals	
	BLB3L8B - SR - T	SR85	1-1/2	40					
	BLB3L9B - SR - T	SR85	2	50					

3L = 'L' port  
3T = 'T' port

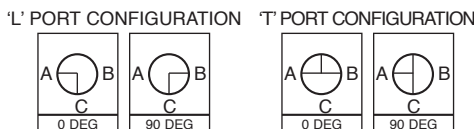
### AIR / FLUID / PETROCHEMICAL 3 Way - Electric On/Off

Series BLB	Model	Actuator	Port Size BSP	Orifice Ømm	Media Pressure	Media Temperature	Actuator Air Pressure	Material of Construction	Features
 <p>Electrically Actuated 'L' or 'T' Port Brass Body</p>	BLB3L4B - TE* - T	T15	1/2	12.7	Vacuum	20°C	E1=240VAC E2=110VAC E5=24VAC E7=12VDC E8=24VDC E11=415V	Body: Brass	Electric Actuator  See Series 'OM' for Actuator details. P23  Optional: Spring return
	BLB3L4B - E* - T	OM-1	1/2	12.7					
	BLB3L5B - TE* - T	T15	3/4	20					
	BLB3L5B - E* - T	OM-1	3/4	20					
	BLB3L6B - E* - T	OM-1	1	25					
	BLB3L7B - E* - T	OM-1	1-1/4	32					
	BLB3L8B - E* - T	OM-A	1-1/2	40					
	BLB3L9B - E* - T	OM-A	2	50					

3L = 'L' port  
3T = 'T' port

NOTE: OM-A has no manual override.

REFER TO PAGE 8, 9 & 10 FOR SUITABLE SOLENOID CONTROL VALVE



- For further technical information contact Process Systems or your distributor.  
\* 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

### Stainless Steel

Model	Actuator	Port Size BSP	Orifice Ømm	Media Pressure	Media Temperature	Actuator Air Pressure	Material of Construction	Features
<b>AIR / FLUID / STEAM / PETROCHEMICAL Double Acting Pneumatic</b>								
Series BLS								
BLS2B - DA - RT	DA52	1/4	8	70 BAR	-20°C	6-8 BAR	Body: 3 piece 316 Stainless Steel. BSP Threaded. Seats: Filled PTFE = RT  Optional: Flanges Butt weld Socket weld NPT	Direct Mount. High Pad Self Adjusting Stem Packing  Actuator-std. aluminium Optional plastic or Stainless Steel
BLS3B - DA - RT	DA52	3/8	10	W.O.G.				
BLS4B - DA - RT	DA52	1/2	15					
BLS5B - DA - RT	DA52	3/4	20					
BLS6B - DA - RT	DA52	1	25	Vacuum				
BLS7B - DA - RT	DA63	1-1/4	32					
BLS8B - DA - RT	DA63	1-1/2	40					
BLS9B - DA - RT	DA75	2	50					
BLS10B - DA - RT	DA85	2-1/2	63	10 BAR				
BLS11B - DA - RT	DA100	3	80	Steam using R.T. Seat	180°C	6-8 BAR		
BLS12B - DA - RT	DA115	4	100					
Available with ANSI-150 flanges for pressures to 20BAR						See page 17		



Series BLS

Double Acting 316 Stainless Steel Body

Model	Actuator	Port Size BSP	Orifice Ømm	Media Pressure	Media Temperature	Actuator Air Pressure	Material of Construction	Features
<b>AIR / FLUID / STEAM / PETROCHEMICAL Spring Return Pneumatic</b>								
Series BLS								
BLS52B - SR - RT	SR52	1/4	8	70 BAR	-20°C	6-8 BAR	Body: 3 piece 316 Stainless Steel. BSP Threaded. Filled Seats: Filled PTFE = RT  Optional: Flanges Butt weld Socket weld NPT	Direct Mount. High Pad Self Adjusting Stem Packing  Actuator-std. aluminium Optional plastic or Stainless Steel
BLS53B - SR - RT	SR52	3/8	10	W.O.G.				
BLS54B - SR - RT	SR52	1/2	15					
BLS55B - SR - RT	SR52	3/4	20					
BLS56B - SR - RT	SR63	1	25	Vacuum				
BLS57B - SR - RT	SR75	1-1/4	32					
BLS58B - SR - RT	SR85	1-1/2	40					
BLS59B - SR - RT	SR85	2	50					
BLS510B - SR - RT	SR100	2-1/2	63	10 BAR				
BLS511B - SR - RT	SR115	3	80	Steam using R.T. Seat	180°C	6-8 BAR		
BLS512B - SR - RT	SR125	4	100					
Available with ANSI-150 flanges for pressures to 20BAR						See page 17		



Series BLS

Spring Return 316 Stainless Steel Body

Model	Actuator	Port Size BSP	Orifice Ømm	Media Pressure	Media Temperature	Actuator Air Pressure	Material of Construction	Features
<b>AIR / FLUID / STEAM / PETROCHEMICAL Electric On/Off</b>								
Series BLS								
BLS2B - TE* - RT	T15	1/4	8	70 BAR	-20°C	E1=240VAC	Body: 3 piece 316 Stainless Steel. (As above) Seats: Filled PTFE = RT  Optional: Flanges Butt weld Socket weld NPT	Direct Mount. High Pad Self Adjusting Stem Packing  see Series 'OM' for Actuator details Page 23  Also available as Spring Close
BLS2B - E* - RT	OM-1	1/4	8	W.O.G.		E2=110VAC		
BLS3B - TE* - RT	T15	3/8	10			E5=24VAC		
BLS3B - E* - RT	OM-1	3/8	10			E7=12VDC		
BLS4B - TE* - RT	T15	1/2	15			E8=24VDC		
BLS4B - E* - RT	OM-1	1/2	15			E11=415VAC		
BLS5B - E* - RT	OM-1	3/4	20			NOTE: OM-A has no manual override.		
BLS6B - E* - RT	OM-1	1	25	Vacuum				
BLS7B - E* - RT	OM-1	1-1/4	32					
BLS8B - 2E* - RT	OM-2	1-1/2	40					
BLS8B - AE* - RT	OM-A	1-1/2	40					
BLS9B - 2E* - RT	OM-2	2	50					
BLS9B - AE* - RT	OM-A	2	50					
BLS10B - 2E* - RT	OM-2	2-1/2	63	10 BAR				
BLS11B - E* - RT	OM-3	3	80	Steam using R.T. Seat	180°C			
BLS12B - E* - RT	OM-4	4	100					
Available with ANSI-150 flanges for pressures to 20BAR						See page 17		



Series BLS

Electric Actuated 316 Stainless Steel Body

Model	Actuator	Port Size BSP	Orifice Ømm	Media Pressure	Media Temperature	Actuator Air Pressure	Material of Construction	Features
<b>AIR / FLUID / STEAM / PETROCHEMICAL Lever. Lockable. 3 Piece</b>								
Series BLS								
BLS2B - L - RT	Lever	1/4	8	70 BAR	-20°C		Body: 3 piece 316 Stainless Steel. BSP Threaded. Filled Seats: Filled PTFE = RT  Optional: Flanges Butt weld Socket weld NPT	Direct Mount. High Pad Self Adjusting Stem Packing  Lockable Lever
BLS3B - L - RT		3/8	10	W.O.G.				
BLS4B - L - RT		1/2	15					
BLS5B - L - RT		3/4	20					
BLS6B - L - RT		1	25	Vacuum				
BLS7B - L - RT		1-1/4	32					
BLS8B - L - RT		1-1/2	40					
BLS9B - L - RT		2	50					
BLS10B - L - RT		2-1/2	63	10 BAR				
BLS11B - L - RT		3	80	Steam using R.T. Seat	180°C			
BLS12B - L - RT	Lever	4	100					



Series BLS

Model	Actuator	Port Size BSP	Orifice Ømm	Media Pressure	Media Temperature	Actuator Air Pressure	Material of Construction	Features
<b>AIR / FLUID Lever. Lockable. 2 Piece</b>								
Series BVS								
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			




Series BVS


REFER TO PAGE 8, 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

Stainless Steel	Model	Actuator	Port Size BSP	Orifice Ømm	Media Pressure	Media Temperature	Actuator Air Pressure	Material of Construction	Features
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**AIR / FLUID / STEAM / PETROCHEMICAL Double Acting Pneumatic**

 <p>Series BLS Double Acting 'L' or 'T' Port 316 Stainless Steel Body</p>	BLS3L2B - DA - RT	DA52	1/4	8	68 BAR	-20°C	6-8 BAR	Body: 316 Stainless Steel	Compact Design
	BLS3L3B - DA - RT	DA52	3/8	10	W.O.G.				
	BLS3L4B - DA - RT	DA52	1/2	12	Vacuum				
	BLS3L5B - DA - RT	DA52	3/4	15					
	BLS3L6B - DA - RT	DA52	1	20					
	BLS3L8B - DA - RT	DA75	1-1/2	32	180°C	6-8 BAR Air Pressure	Seats Filled PTFE = RT	Standard with aluminium actuator. Optional plastic or Stainless Steel Actuator	
	BLS3L9B - DA - RT	DA85	2	43					
	BLS3L10B - DA - RT	DA100	2-1/2	55					
	BLS3L11B - DA - RT	DA115	3	66					
	BLS3L11FA - DA - T	DA125	3" Flanged	80					20 BAR
BLS3L12FA - DA - T	DA160	4" Flanged	100						
3L = 'L' Port 3T = 'T' Port									


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

 <p>Series BLS Spring Return 'L' or 'T' Port 316 Stainless Steel Body</p>	BLS3L2B - SR - RT	SR52	1/4	8	68 BAR	-20°C	6-8 BAR	Body: 316 Stainless Steel	Compact Design
	BLS3L3B - SR - RT	SR52	3/8	10	W.O.G.				
	BLS3L4B - SR - RT	SR52	1/2	12	Vacuum				
	BLS3L5B - SR - RT	SR63	3/4	15					
	BLS3L6B - SR - RT	SR63	1	20					
	BLS3L8B - SR - RT	SR85	1-1/2	32	180°C	6-8 BAR Air Pressure	Seats Filled PTFE = RT	Standard with aluminium actuator. Optional plastic or Stainless Steel Actuator	
	BLS3L9B - SR - RT	SR100	2	43					
	BLS3L10B - SR - RT	SR115	2-1/2	55					
	BLS3L11B - SR - RT	SR125	3	66					
	BLS3L11F - SA - T	SR160	3" Flanged	80					20 BAR
BLS3L12F - SA - T	SR200	4" Flanged	100						
3L = 'L' Port 3T = 'T' Port									


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

 <p>Series BLS Electrically Actuated 'L' or 'T' Port 316 Stainless Steel Body</p>	BLS3L2B - TE* - RT	T15	1/4	8	68 BAR	-20°C	E1=240VAC E2=110VAC E5=24VAC E7=12VDC E8=24VDC E11=415VAC NOTE: OM-A has no manual override.	Body: 316 Stainless Steel	Electric Actuator
	BLS3L2B - E* - RT	OM-1	1/4	8	W.O.G.				
	BLS3L3B - TE* - RT	T15	3/8	10	Vacuum				
	BLS3L3B - E* - RT	OM-1	3/8	10					
	BLS3L4B - TE* - RT	T15	1/2	12					
	BLS3L4B - E* - RT	OM-1	1/2	12	180°C	3 Way 3L = L Port 3T = T Port	Seats Filled PTFE = RT	See Series 'OM' for actuator details Also available as Spring Close P23	
	BLS3L5B - E* - RT	OM-1	3/4	15					
	BLS3L6B - E* - RT	OM-1	1	20					
	BLS3L8B - AE* - RT	OM-A	1-1/2	32					
	BLS3L8B - 2E* - RT	OM-2	1-1/2	32					
BLS3L9B - E* - RT	OM-2	2	43	20 BAR	100°C				
BLS3L10B - E* - RT	OM-3	2-1/2	55						
BLS3L11B - E* - RT	OM-4	3	66						
BLS3L11F - E* - T	OM-5	3" Flanged	80	20 BAR	100°C				
BLS3L12F - E* - T	OM-6	4" Flanged	100						
3L = 'L' port 3T = 'T' port									

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

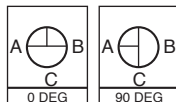
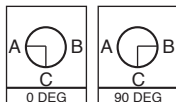
 <p>PTFE Seat</p>	BLS3L2B - L - RT	Lever	1/4	9.5	68 BAR	-20°C		Body: 316 Stainless Steel	Compact Design
	BLS3L3B - L - RT		3/8	9.5	W.O.G.				
	BLS3L4B - L - RT		1/2	12	Vacuum				
	BLS3L5B - L - RT		3/4	15					
	BLS3L6B - L - RT		1	20					
	BLS3L7B - L - RT		1-1/4	25	180°C	3 Way L Port	Seats Filled PTFE = RT	Lockable Lever	
	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					

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

 <p>PTFE Seat</p>	BLS3T2B - L - RT	Lever	1/4	9.5	68 BAR	-20°C		Body: 316 Stainless Steel	Compact Design
	BLS3T3B - L - RT		3/8	9.5	W.O.G.				
	BLS3T4B - L - RT		1/2	12	Vacuum				
	BLS3T5B - L - RT		3/4	15					
	BLS3T6B - L - RT		1	20					
	BLS3T7B - L - RT		1-1/4	25	180°C	3 Way T Port	Seats Filled PTFE = RT	Lockable Lever	
	BLS3T8B - L - RT		1-1/2	32					
	BLS3T9B - L - RT		2	40					
	BLS3T10B - L - RT		2-1/2	50					
	BLS3T11B - L - RT	Lever	3	65					

REFER TO PAGE 8, 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=415AC

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

Stainless Steel		Model	Actuator	ANSI 150 RF	Orifice Ømm	Media Pressure	Media Temperature	Actuator Air Pressure	Material of Construction	Features
<b>AIR / FLUID / STEAM / PETROCHEMICAL Double Acting Pneumatic</b>										
 <p>Series BLSFA Double Acting 316 Stainless Steel Body</p>	BLS4FA - DA - RT	DA52	ANSI 150 RF	15	20 BAR W.O.G.	-20°C	6-8 BAR	Body: 2 piece 316 Stainless Steel ANSI 150 RF Seats: Filled PTFE = RT	Direct Mount. High Pad Self Adjusting Stem Packing	
	BLS5FA - DA - RT	DA52		20						
	BLS6FA - DA - RT	DA52		25						
	BLS7FA - DA - RT	DA63		32						
	BLS8FA - DA - RT	DA63		40						
	BLS9FA - DA - RT	DA75		50						
	BLS10FA - DA - RT	DA85		63						
	BLS11FA - DA - RT	DA100		80						
	BLS12FA - DA - RT	DA115		100						
	BLS13FA - DA - RT	DA140		125						
	BLS14FA - DA - RT	DA160	150							
	BLS15FA - DA - RT	DA180	200							
				ANSI 150 RF	150	10 BAR Steam using R.T. Seat	180°C	6-8 BAR		Actuator-std. aluminium Optional plastic or Stainless Steel
<b>AIR / FLUID / STEAM / PETROCHEMICAL Spring Return Pneumatic</b>										
 <p>Series BLSFA Spring Return 316 Stainless Steel Body</p>	BLS54FA - SR - RT	SR52	ANSI 150 RF	15	20 BAR W.O.G.	-20°C	6-8 BAR	Body: 2 piece 316 Stainless Steel ANSI 150 RF Seats: Filled PTFE = RT	Direct Mount. High Pad Self Adjusting Stem Packing	
	BLS55FA - SR - RT	SR52		20						
	BLS56FA - SR - RT	SR63		25						
	BLS57FA - SR - RT	SR75		32						
	BLS58FA - SR - RT	SR85		40						
	BLS59FA - SR - RT	SR85		50						
	BLS510FA - SR - RT	SR100		63						
	BLS511FA - SR - RT	SR115		80						
	BLS512FA - SR - RT	SR125		100						
	BLS513FA - SR - RT	SR160		125						
	BLS514FA - SR - RT	SR180	150							
	BLS515FA - SR - RT	SR200	200							
				ANSI 150 RF	150	10 BAR Steam using R.T. Seat	180°C	6-8 BAR		Actuator-std. aluminium Optional plastic or Stainless Steel
For normally open function change 4th digit to 6										
<b>AIR / FLUID / STEAM / PETROCHEMICAL Electric On/Off</b>										
 <p>Series BLSFA Electric Actuated 316 Stainless Steel Body</p>	BLS4FA - TE* - RT	T15	ANSI 150 RF	15	20 BAR W.O.G.	-20°C	E1=240VAC E2=110VAC E5=24VAC E7=12VDC E8=24VDC E11=415VAC NOTE: OM-A has no manual override.	Body: 2 piece 316 Stainless Steel ANSI 150 RF Seats: Filled PTFE = RT	Direct Mount. High Pad Self Adjusting Stem Packing	
	BLS4FA - E* - RT	OM-1		15						
	BLS5FA - E* - RT	OM-1		20						
	BLS6FA - E* - RT	OM-1		25						
	BLS7FA - E* - RT	OM-1		32						
	BLS8FA - 2E* - RT	OM-2		40						
	BLS8FA - AE* - RT	OM-A		40						
	BLS9FA - 2E* - RT	OM-2		50						
	BLS9FA - AE* - RT	OM-A		50						
	BLS10FA - 2E* - RT	OM-2		63						
	BLS11FA - E* - RT	OM-3	80							
	BLS12FA - E* - RT	OM-4	100							
	BLS13FA - E* - RT	OM-5	125							
BLS14FA - E* - RT	OM-6	150								
BLS15FA - E* - RT	OM-6	200								
			ANSI 150 RF	150	10 BAR Steam using R.T. Seat	180°C			see Series 'OM' for Actuator details  Also available as Spring Close P23	
<b>AIR / FLUID / STEAM / PETROCHEMICAL Lever. Lockable</b>										
 <p>Series BLSFA ANSI-150 Flange RTFE Seat 15% Glass Filler</p>	BLS4FA - L - RT	LEVER	Flanged ANSI 150 RF	15	20 BAR W.O.G.	-20°C		Body: 2 piece 316 Stainless Steel ANSI 150 RF Seats: Filled PTFE = RT	Direct Mount. High Pad Self Adjusting Stem Packing	
	BLS5FA - L - RT			20						
	BLS6FA - L - RT			25						
	BLS7FA - L - RT			32						
	BLS8FA - L - RT			40						
	BLS9FA - L - RT			50						
	BLS10FA - L - RT			65						
	BLS11FA - L - RT			80						
	BLS12FA - L - RT			100						
	BLS13FA - L - RT			125						
	BLS14FA - L - RT	150								
	BLS15FA - L - RT	200								
			LEVER GEAR BOX GEAR BOX	Flanged ANSI 150 RF	150	10 BAR Steam using R.T. Seat	180°C			Lockable Lever

- Also available with approved fire safe design ball valve (15mmØ to 100mmØ) on request. API Standard 607 fifth edition
- RF = Raised Face Flange
- Refer to page 8, 9 & 10 for suitable solenoid control valve

### High Pressure

#### AIR / WATER



Series BLSHP  
Pneumatic Actuated 2 Way Double Acting  
Stainless Steel Body

Model	Actuator	Port Size BSP	Orifice Ømm	Media Pressure @30°C	Media Temperature	Actuator Air Pressure	Material of Construction	Features		
<b>Double Acting Pneumatic</b>										
BLSHP2B - DA - D	DA52	1/4	8	3,000 PSI 200 BAR	40°C @ 200 BAR	6-8 BAR	Body: 316 Stainless Steel Ball: Stainless Steel Seat: Delrin	Highflow High pressure  Actuator std. aluminium Optional plastic or Stainless Steel		
BLSHP3B - DA - D	DA52	3/8	10							
BLSHP4B - DA - D	DA52	1/2	12							
BLSHP5B - DA - D	DA63	3/4	17			6-8 BAR				
BLSHP6B - DA - D	DA63	1	22							
BLSHP8B - DA - D	DA85	1-1/2	35							
BLSHP9B - DA - D	DA85	2	35			ALSO AVAILABLE - 1/4 & 3/8 VALVES TO 10,000 PSI AND 3-WAY VALVES TO 1"				

#### AIR / WATER



Series BLSHP  
Pneumatic Actuated 2 Way Spring Return  
Stainless Steel Body

Model	Actuator	Port Size BSP	Orifice Ømm	Media Pressure @30°C	Media Temperature	Actuator Air Pressure	Material of Construction	Features		
<b>Spring Return Pneumatic</b>										
BLSHP52B - SR - D	SR63	1/4	8	3,000 PSI 200 BAR	40°C @ 200 BAR	6-8 BAR	Body: 316 Stainless Steel Ball: Stainless Steel Seat: Delrin	Highflow High pressure  Actuator std. aluminium Optional plastic or Stainless Steel		
BLSHP53B - SR - D	SR63	3/8	10							
BLSHP54B - SR - D	SR63	1/2	12							
BLSHP55B - SR - D	SR75	3/4	17			6-8 BAR				
BLSHP56B - SR - D	SR75	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"				

#### AIR / WATER



Series BLSHP  
Electric Actuated  
Stainless Steel Body

Model	Actuator	Port Size BSP	Orifice Ømm	Media Pressure @30°C	Media Temperature	Actuator Air Pressure	Material of Construction	Features		
<b>Electric On/Off</b>										
BLSHP2B - E* - D	OM-1	1/4	8	3,000 PSI 200 BAR	40°C @ 200 BAR	E1=240VAC E2=110VAC E5=24VAC E7=12VDC E8=24VDC	Body: 316 Stainless Steel Ball: Stainless Steel Seat: Delrin	Highflow High pressure  see Series 'OM' for Actuator details Page 23		
BLSHP3B - E* - D	OM-1	3/8	10							
BLSHP4B - E* - D	OM-1	1/2	12							
BLSHP5B - E* - D	OM-1	3/4	17			6-8 BAR				
BLSHP6B - E* - D	OM-1	1	22							
BLSHP8B - E* - D	OM-2	1-1/2	35							
BLSHP9B - E* - D	OM-2	2	35			ALSO AVAILABLE - 1/4 & 3/8 VALVES TO 10,000 PSI AND 3-WAY VALVES TO 1"				

#### AIR / WATER



Series BLSHP  
Stainless Steel Body

Model	Actuator	Port Size BSP	Orifice Ømm	Media Pressure @30°C	Media Temperature	Actuator Air Pressure	Material of Construction	Features
<b>Lever Lockable</b>								
BLSHP2B - L - D	LEVER	1/4	8	3,000 PSI 200 BAR	40°C @ 200 BAR	6-8 BAR	Body: 316 Stainless Steel Ball: Stainless Steel Seat: Delrin	Highflow High pressure  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		1-1/2	40					
BLSHP9B - L - D		2	50					

#### 3-WAY



Series BLS  
Double Acting  
'L' or 'T' Port  
316 Stainless Steel Body

Model	Actuator	Port Size BSP	Orifice Ømm	Media Pressure @30°C	Media Temperature	Actuator Air Pressure	Material of Construction	Features		
<b>Double Acting Pneumatic</b>										
BLSHP3L2B - DA - D	DA75	1/2	11	3000PSI 200 BAR	40°C @ 200 BAR	6-8 BAR	Body: 316 Stainless Steel Seats: Delrin	Compact Design  Standard with aluminium actuator. Optional plastic or Stainless Steel Actuator		
BLSHP3L3B - DA - D	DA75	3/8	12							
BLSHP3L4B - DA - D	DA75	1/2	15							
BLSHP3L5B - DA - D	DA85	3/4	20			6-8 BAR Air Pressure				
BLSHP3L6B - DA - D	DA85	1	25							
BLSHP3L8B - DA - D	DA100	1-1/2	38							
BLSHP3L9B - DA - D	DA115	2	50			ALSO AVAILABLE - 1/4 & 3/8 VALVES TO 10,000 PSI AND 3-WAY VALVES TO 1"				

#### AIR / WATER



Series BLS  
Spring Return  
'L' or 'T' Port  
316 Stainless Steel Body

Model	Actuator	Port Size BSP	Orifice Ømm	Media Pressure @30°C	Media Temperature	Actuator Air Pressure	Material of Construction	Features		
<b>Spring Return Pneumatic</b>										
BLSHP3L2B - SR - D	SR85	1/4	11	3000PSI 200 BAR	40°C @ 200 BAR	6-8 BAR	Body: 316 Stainless Steel Seats: Delrin	Compact Design Standard with aluminium actuator. Optional plastic or Stainless Steel Actuator		
BLSHP3L3B - SR - D	SR85	3/8	12							
BLSHP3L4B - SR - D	SR85	1/2	15							
BLSHP3L5B - SR - D	SR100	3/4	20			6-8 BAR Air Pressure				
BLSHP3L6B - SR - D	SR115	1	25							
BLSHP3L8B - SR - D	SR125	1-1/2	38							
BLSHP3L9B - SR - D	SR140	2	50			ALSO AVAILABLE - 1/4 & 3/8 VALVES TO 10,000 PSI AND 3-WAY VALVES TO 1"				

#### AIR / WATER



Series BLS  
Electrically Actuated  
'L' or 'T' Port  
316 Stainless Steel Body

Model	Actuator	Port Size BSP	Orifice Ømm	Media Pressure @30°C	Media Temperature	Actuator Air Pressure	Material of Construction	Features		
<b>Electric On/Off</b>										
BLSHP3L2B - E* - D	OM-A	1/4	11	3000PSI 200 BAR	40°C @ 200 BAR	E1=240VAC E2=110VAC E5=24VAC E7=12VDC E8=24VDC E11=415VAC	Body: 316 316 Stainless Steel Seats: Delrin	Electric Actuator  See Series 'OM' for actuator details  Also available as Spring Close Page 23		
BLSHP3L3B - E* - D	OM-A	3/8	12							
BLSHP3L4B - E* - D	OM-A	1/2	15							
BLSHP3L5B - E* - D	OM-2	3/4	20			6-8 BAR				
BLSHP3L6B - E* - D	OM-2	1	25							
BLSHP3L8B - 2E* - D	OM-3	1-1/2	38							
BLSHP3L9B - E* - D	OM-4	2	50			ALSO AVAILABLE - 1/4 & 3/8 VALVES TO 10,000 PSI AND 3-WAY VALVES TO 1"				

#### AIR / WATER



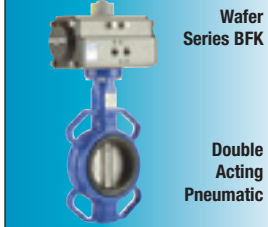
PTFE Seat

Model	Actuator	Port Size BSP	Orifice Ømm	Media Pressure @30°C	Media Temperature	Actuator Air Pressure	Material of Construction	Features
<b>T-Port &amp; L-Port. Lever Lockable</b>								
BLSHP3L2B - L - D	Lever	1/4	11	3000PSI 200 BAR	40°C @ 200 BAR	6-8 BAR	Body: 316 Stainless Steel Seats: Delrin	Compact Design  Lockable Lever
BLSHP3L3B - L - D		3/8	12					
BLSHP3L4B - L - D		1/2	15					
BLSHP3L56B - L - D		3/4	20					
BLSHP3L6B - L - D		1	25					
BLSHP3L8B - L - D		1-1/2	38					
BLSHP3L9B - L - D		2	50					

REFER TO PAGE 8, 9 & 10 FOR SUITABLE SOLENOID CONTROL VALVE

### 'Econo' Series BFK

AIR / WATER

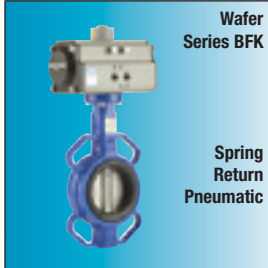


Wafer Series BFK

Double Acting Pneumatic

Model	Actuator	Orifice/CV ømm CV	Media Pressure	Media Temperature	Actuator Voltage/Bar Pressure	Material of Construction	Features
<b>Double Acting Pneumatic</b>							
BFK50 - DA - E	EDA52	50	16 BAR WET	-20°C	6-8 BAR	Body: Cast Iron Wafer Universal flange 304 S/S disc EPDM liner	Double acting Pneumatic actuator. Direct pad mount. EPDM=E
BFK65 - DA - E	EDA52	65	10 BAR DRY	(EPDM) 120°C	6-8 BAR		
BFK80 - DA - E	EDA63	80					
BFK100 - DA - E	EDA63	100					
BFK125 - DA - E	DA75	125					
BFK150 - DA - E	DA85	150					
BFK200 - DA - E	DA115	200	10 BAR DRY	(EPDM) 120°C	6-8 BAR	Aluminium actuator	
BFK250 - DA - E	DA125	250					
BFK300 - DA - E	DA140	300					

AIR / WATER



Wafer Series BFK

Spring Return Pneumatic

Model	Actuator	Orifice/CV ømm CV	Media Pressure	Media Temperature	Actuator Voltage/Bar Pressure	Material of Construction	Features
<b>Spring Return Pneumatic</b>							
BFK550 - SR - E	ESR52	50	16 BAR WET	-20°C	6-8 BAR	Body: Cast Iron Wafer Universal flange 304 S/S disc EPDM liner Aluminium actuator	Single acting Pneumatic actuator. Direct pad mount. EPDM=E
BFK565 - SR - E	ESR63	65	10 BAR DRY	(EPDM) 120°C	6-8 BAR		
BFK580 - SR - E	ESR75	80					
BFK5100 - SR - E	ESR75	100					
BFK5125 - SR - E	SR85	125					
BFK5150 - SR - E	SR100	150					
BFK5200 - SR - E	SR115	200	10 BAR DRY	(EPDM) 120°C	6-8 BAR		
BFK5250 - SR - E	SR140	250					
BFK5300 - SR - E	SR160	300					

For normally open function change 4th digit to 6

AIR / WATER



Wafer Series BFK

On/Off Electric

Model	Actuator	Orifice/CV ømm CV	Media Pressure	Media Temperature	Actuator Voltage/Bar Pressure	Material of Construction	Features
<b>Electric On/Off</b>							
BFK50 - E* - E	OM-1	50	16 BAR WET	-20°C	E1=240VAC E2=110VAC E5=24VAC E7=12VDC E8=24VDC 11=415V	Body: Cast Iron Wafer Universal flange 304 S/S disc EPDM liner	on/off electric actuator.  Note: OM-A without manual override
BFK65 - E* - E	OM-1	65	10 BAR DRY	(EPDM) 120°C			
BFK80 - E* - E	OM-1	80					

See BFD Series page 20 for larger electric butterfly valves

### 'Econo' Series BFK

AIR / WATER



Wafer Series BFK

Manual Butterfly Valve

Manual Butterfly Valve							
Model	Size mm	Lever	Gearbox	Kg	Stem SQ	ISO	Material of Construction
<b>Manual Lever &amp; Gear Box</b>							
BFK50 - L-E	50	✓		3.7	14	F05	<b>BODY MATERIAL</b> Cast Iron (Powder coated)
BFK65 - L-E	65	✓		4.3	14	F05	
BFK80 - L-E	80	✓		4.6	14	F05	
BFK100 - L-E	100	✓		5.8	14	F05	
BFK125 - L-E	125	✓		8.0	17	F07	
BFK150 - L-E	150	✓		9.5	17	F07	<b>DISC MATERIAL</b> 304 Stainless Steel
BFK200 - L-E	200	✓		16	17	F07	
BFK250 - L-E	250			21	22	F10	<b>SEAT MATERIAL</b> EPDM (-20 ~ +120°C) (Bonded)
BFK250 - G-E	250		✓	32	22	F10	
BFK300 - L-E	300	✓		35	22	F10	
BFK300 - G-E	300		✓	45	22	F10	

**SUITS FLANGES**  
Table E, D ANSI 150 & BS4504 PN10

### Series BFD

AIR / WATER / VACUUM



Model	Actuator	Orifice Ømm	Media Pressure	Media Temperature	Actuator Voltage/Air Pressure	Material of Construction	Features
<b>Double Acting Pneumatic</b>							
BFD50 - DA - E	DA52	50	16 BAR 10 BAR	-20°C           (EPDM) 120°C	6-8 BAR	- Cast Iron - 316 S/S disc - EPDM liner (E) - Optional Viton (V) - Optional Nitrile (N)  Replacable liner	Double acting Pneumatic actuator. Direct pad mount.  EPDM=E (Standard) Viton=V Nitrile=N
BFD65 - DA - E	DA52	65					
BFD80 - DA - E	DA63	80					
BFD100 - DA - E	DA63	100					
BFD125 - DA - E	DA75	125					
BFD150 - DA - E	DA85	150					
BFD200 - DA - E	DA115	200					
BFD250 - DA - E	DA125	250					
BFD300 - DA - E	DA140	300					
BFD350 - DA - E	DA160	350					
BFD400 - DA - E	DA200	400					
BFD450 - DA - E	DA240	450					
BFD500 - DA - E	DA240	500					
BFD600 - DA - E	DA270	600					
(16 bar wet & 10 BAR dry application c/w double acting)							

AIR / WATER / VACUUM



Model	Actuator	Orifice Ømm	Media Pressure	Media Temperature	Actuator Voltage/Air Pressure	Material of Construction	Features
<b>Spring Return Pneumatic</b>							
BFD550 - SR - E	SR52	50	16 BAR 10 BAR	-20°C           (EPDM) 120°C	6-8 BAR	- Cast Iron - 316 S/S disc - EPDM liner (E) - Optional Viton (V) - Optional Nitrile (N)  Replacable liner	Single acting Pneumatic actuator. Direct pad mount.  EPDM=E (Standard) Viton=V Nitrile=N
BFD565 - SR - E	SR63	65					
BFD580 - SR - E	SR75	80					
BFD5100 - SR - E	SR75	100					
BFD5125 - SR - E	SR85	125					
BFD5150 - SR - E	SR100	150					
BFD5200 - SR - E	SR115	200					
BFD5250 - SR - E	SR140	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					
(16 bar wet & 10 BAR dry application c/w Spring Return) For normally open function change 4th digit to 6							

AIR / WATER / VACUUM



Model	Actuator	Orifice Ømm	Media Pressure	Media Temperature	Actuator Voltage/Air Pressure	Material of Construction	Features
<b>Electric On/Off</b>							
BFD50 - E* - E	OM-1	50	16 BAR 10 BAR	-20°C           (EPDM) 120°C	E1=240VAC E2=110VAC E5=24VAC E7=12VDC E8=24VDC E11=415VAC	- Cast Iron - 316 S/S disc - EPDM liner (E) - Optional Viton (V) - Optional Nitrile (N)  Replacable liner	on/off electric actuator.  Note: OM-A without manual override  EPDM=E (Standard) Viton=V Nitrile=N
BFD65 - E* - E	OM-1	65					
BFD80 - E* - E	OM-1	80					
BFD100 - E* - E	OM-A	100					
BFD100 - 2E - E	OM-2	100					
BFD125 - E* - E	OM-A	125					
BFD150 - E* - E	OM-2	150					
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					
(16 bar wet & 10 BAR dry application c/w electric actuator—Power Open / Power Closed. Available in Spring Return Electric Actuation.							

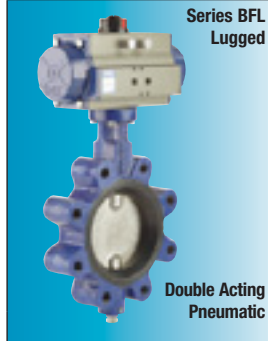
AIR / WATER / VACUUM



Model	SIZE	LEVER	GEARBOX	KG			
BFD50 - L - E	50	✓	✓	3.7	<b>BODY MATERIAL</b> Cast Iron Powder Coated		
BFD65 - L - E	65	✓	✓	4.3			
BFD80 - L - E	80	✓	✓	4.6			
BFD100 - L - E	100	✓	✓	5.8			
BFD125 - L - E	125	✓	✓	8.0			
BFD150 - L - E	150	✓	✓	9.5			
BFD200 - L - E	200	✓	✓	16			
BFD250 - L - E	250	✓	✓	21			
BFD250 - G - E	250	✓	✓	32			
BFD300 - L - E	300	✓	✓	35			
BFD300 - G - E	300	✓	✓	45	<b>DISC MATERIAL</b> Stainless Steel CF8M (316SS)		
BFD350 - G - E	350	✓	✓	58			
BFD400 - G - E	400	✓	✓	107			
BFD450 - G - E	450	✓	✓	122			
BFD500 - G - E	500	✓	✓	160			
BFD600 - G - E	600	✓	✓	260			
						<b>SEAT MATERIAL</b> EPDM (-20 ~ +120°C) <input type="checkbox"/> (Std) VITON (-20 ~ +120°C) <input type="checkbox"/> NITRILE (NBR) (-10 ~ +80°C) <input type="checkbox"/>	
							<b>SUITS FLANGES</b> Table E, D ANSI 150 & BS4504 PN10

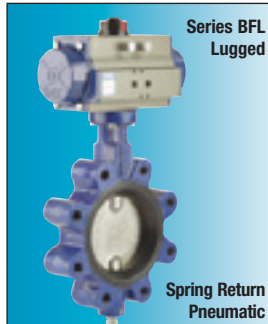
### Series BFL Lugged

AIR / WATER / VACUUM



Model	Actuator	Orifice Ømm	Media Pressure	Media Temperature	Actuator Voltage/Air Pressure	Material of Construction	Features
<b>Double Acting Pneumatic</b>							
BFL50 - DA - E	DA52	50	16 BAR	-20°C	6-8 BAR	Lugged: Table E (Std)	Double acting Pneumatic actuator. Direct pad mount.  Replacable liner
BFL65 - DA - E	DA52	65	16 BAR	(EPDM) 120°C	6-8 BAR	- Cast Iron - 316 S/S disc - EPDM liner (E) - Optional Viton (V) - Optional Nitrile (N)	
BFL80 - DA - E	DA63	80					
BFL100 - DA - E	DA63	100					
BFL125 - DA - E	DA75	125					
BFL150 - DA - E	DA85	150					
BFL200 - DA - E	DA115	200	16 BAR	(EPDM) 120°C	6-8 BAR		
BFL250 - DA - E	DA115	250					
BFL300 - DA - E	DA140	300					
(16 bar wet & 10 BAR dry application c/w double acting)							

AIR / WATER / VACUUM



Model	Actuator	Orifice Ømm	Media Pressure	Media Temperature	Actuator Voltage/Air Pressure	Material of Construction	Features
<b>Spring Return Pneumatic</b>							
BFL550 - SR - E	SR52	50	16 BAR	-20°C	6-8 BAR	Lugged: Table E (Std)	Single acting Pneumatic actuator. Direct pad mount.  Replacable liner
BFL565 - SR - E	SR63	65	16 BAR	(EPDM) 120°C	6-8 BAR	- Cast Iron - 316 S/S disc - EPDM liner (E) - Optional Viton (V) - Optional Nitrile (N)	
BFL580 - SR - E	SR75	80					
BFL5100 - SR - E	SR75	100					
BFL5125 - SR - E	SR85	125					
BFL5150 - SR - E	SR100	150					
BFL5200 - SR - E	SR115	200	16 BAR	(EPDM) 120°C	6-8 BAR		
BFL5250 - SR - E	SR140	250					
BFL5300 - SR - E	SR160	300					
(16 bar wet & 10 BAR dry application c/w single acting) For normally open function change 4th digit to 6							

AIR / WATER / VACUUM



Model	Actuator	Orifice Ømm	Media Pressure	Media Temperature	Actuator Voltage/Air Pressure	Material of Construction	Features
<b>Electric On/Off</b>							
BFL50 - E* - E	OM-1	50	16 BAR	-20°C	E1=240VAC E2=110VAC E5=24VAC E7=12VDC E8=24VDC E11=415VAC	Lugged: Table E (Std)	on/off electric actuator.  Note: OM-A without manual override  Replacable liner
BFL65 - E* - E	OM-1	65	16 BAR	(EPDM) 120°C	6-8 BAR	- Cast Iron - 316 S/S disc - EPDM liner (E) - Optional Viton (V) - Optional Nitrile (N)	
BFL80 - E* - E	OM-1	80					
BFL100 - E* - E	OM-A	100					
BFL100 - 2E* - E	OM-2	100					
BFL125 - E* - E	OM-A	125					
BFL150 - E* - E	OM-2	150	16 BAR	(EPDM) 120°C	6-8 BAR		
BFL200 - E* - E	OM-3	200					
BFL250 - E* - E	OM-4	250					
BFL300 - E* - E	OM-5	300					
(16 bar wet & 10 BAR dry application c/w electric actuator—Power Open / Power Closed. Available in Spring Return Electric Actuation.							

AIR / WATER / VACUUM



MODEL	SIZE	LEVER	GEARBOX	Kg with LEVER	ANSI-150	TABLE 'E' (Std)	TABLE 'D' (Std)
BFL50 - L - E	50	✓	✓	4.5	✓	✓	✓
BFL65 - L - E	65	✓	✓	5.0	✓	✓	✓
BFL80 - L - E	80	✓	✓	6.2	✓	✓	✓
BFL100 - L - E	100	✓	✓	9.2	✓	✓	-
BFL125 - L - E	125	✓	✓	11.6	✓	✓	✓
BFL150 - L - E	150	✓	✓	13.2	✓	✓	-
BFL200 - L - E	200	✓	✓	21	✓	✓	-
BFL250 - L - E	250	✓	✓	31	✓	✓	-
BFL250 - G - E	250		✓	41	✓	✓	-
BFL300 - L - E	300	✓		46.4	✓	✓	-
BFL300 - G - E	300		✓	59	✓	✓	-
SEAT MATERIAL EPDM (-20 ~ +120°C) Standard (E) Viton (FKM) (-20 ~ +120°C) Optional (V) Nitrile (NBR) (-10 ~ +80°C) Optional (N)							

**Series BFS Wafer**

Model	Actuator	Orifice Ømm	Media Pressure	Media Temperature	Actuator Voltage/Air Pressure	Material of Construction	Features
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**AIR / WATER**

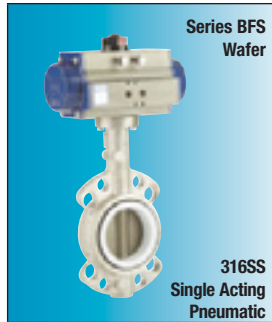
**Double Acting Pneumatic - PTFE Seat & Disc. 316SS Body**



BFS50 - DA - T	DA52	50	10 BAR	-20°C	6-8 BAR	Body: 316 SS  Liner: PTFE Coated EPDM  Disc: PTFE Coated 316 SS	Double acting Pneumatic actuator. Direct pad mount.
BFS65 - DA - T	DA52	65					
BFS80 - DA - T	DA63	80					
BFS100 - DA - T	DA63	100					
BFS125 - DA - T	DA75	125					
BFS150 - DA - T	DA85	150					
BFS200 - DA - T	DA115	200					
BFS250 - DA - T	DA115	250					
BFS300 - DA - T	DA140	300	10 BAR	120°C	6-8 BAR		

**AIR / WATER**

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



BFS550 - SR - T	SR52	50	10 BAR	-20°C	6-8 BAR	Body: 316 SS  Liner: PTFE Coated EPDM  Disc: PTFE Coated 316 SS	Single acting Pneumatic actuator. Direct pad mount.
BFS655 - SR - T	SR63	65					
BFS580 - SR - T	SR75	80					
BFS5100 - SR - T	SR75	100					
BFS5125 - SR - T	SR85	125					
BFS5150 - SR - T	SR100	150					
BFS5200 - SR - T	SR115	200					
BFS5250 - SR - T	SR140	250					
BFS5300 - SR - T	SR160	300	10 BAR	120°C	6-8 BAR		

For normally open function change 4th digit to 6  
(10 bar wet & 10 BAR dry application c/w single acting)

**AIR / WATER**

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

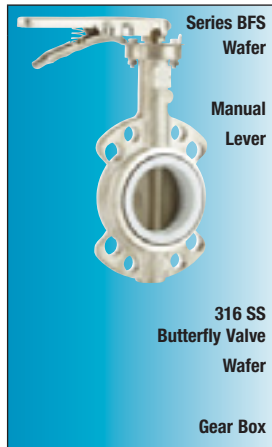


BFS50 - E* - T	OM-1	50	10 BAR	-20°C	E1=240VAC E2=110VAC E5=24VAC E7=12VDC E8=24VDC 11=415VAC	Body: 316 SS  Liner: PTFE Coated EPDM  Disc: PTFE Coated 316 SS	on/off electric actuator.  Note: OM-A without manual override
BFS65 - E* - T	OM-1	65					
BFS80 - E* - T	OM-1	80					
BFS100 - E* - T	OM-A	100					
BFS100 - 2E* - T	OM-2	100					
BFS125 - E* - T	OM-A	125					
BFS150 - E* - T	OM-2	150					
BFS200 - E* - T	OM-3	200					
BFS250 - E* - T	OM-4	250					
BFS300 - E* - T	OM-5	300	10 BAR	120°C			

Available in Spring Return Electric Actuation.

**AIR / WATER**

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



		LEVER	GEARBOX	KG	
BFS50 - L - T	50	✓	✓	2.5	<b>LEVER</b> 304 SS
BFS65 - L - T	65	✓	✓	3.0	
BFS80 - L - T	80	✓	✓	3.7	<b>BODY MATERIAL</b> 316 SS
BFS100 - L - T	100	✓	✓	5.4	
BFS125 - L - T	125	✓	✓	7.0	<b>DISC MATERIAL</b> PTFE Coated 316 SS
BFS150 - L - T	150	✓	✓	8.5	
BFS200 - L - T	200	✓	✓	13.5	<b>SEAT MATERIAL</b> PTFE Coated EPDM
BFS250 - L - T	250	✓	✓	20	
BFS250 - G - T	250		✓	29	<b>WAFER STYLE</b> Suit Flanges Table E, D ANSI 150 & BS4504 PN10
BFS300 - L - T	300	✓		28	
BFS300 - G - T	300		✓	38	

## Electric

Model	Torque (NM)	Speed Sec/90°		MTG Flange ISO5211	Drive MM	Override	Visual Indicator	IP67	Extra Contacts	Kg
		AC	DC							

### Double Acting.



### Power On, Power Off

T6	6	11	12	F03/F05	14 SQ	✓	✓	✓	-	1.50
T15	15	12	24	F03/F05	14 SQ	✓	✓	✓	-	1.50
OM-1 - * 3 sec	15	3	3	F03/F05	14 SQ	✓	✓	✓	✓	2.00
OM-1 - *	35	13	15	F03/F05	14 SQ	✓	✓	✓	✓	2.00
OM-A - *	50	24	20	F05/F07	17 SQ	-	✓	✓	✓	3.00
OM-2 - *	90	17	15	F07	22 SQ	✓	✓	✓	✓	11.00
OM-3 - *	150	26	22	F07	22 SQ	✓	✓	✓	✓	11.00
OM-4 - *	400	18	16	F10	35 SQ	✓	✓	✓	✓	22.00
OM-5 - *	500	25	22	F10	35 SQ	✓	✓	✓	✓	22.00
OM-6 - *	650	31	28	F10	35 SQ	✓	✓	✓	✓	22.00
OM-7 - *	1000	55	46	F12/F14	35 Ø	✓	✓	✓	✓	36.00
OM-8 - *	1500	55	46	F12/F14	35 Ø	✓	✓	✓	✓	36.00
OM-9 - *	2000	70	58	F14/F16	75 Ø	✓	✓	✓	✓	56.00
OM-10 - *	2500	70	58	F14/F16	75 Ø	✓	✓	✓	✓	56.00
OM-11 - *	3000	70	58	F14/F16	75 Ø	✓	✓	✓	✓	56.00
OM-12 - *	3500	70	58	F14/F16	75 Ø	✓	✓	✓	✓	56.00

Note: High Speed Options Available

### Modulating



### 4-20ma, 1-5V DC, 2-10V DC

OM-1 M - *	35	13	15	F03/F05	14 SQ	✓	✓	✓	✓	2.00
OM-A M - *	50	24	20	F05/F07	17 SQ	-	✓	✓	✓	3.00
OM-2 M - *	90	17	15	F07	22 SQ	✓	✓	✓	✓	11.00
OM-3 M - *	150	26	22	F07	22 SQ	✓	✓	✓	✓	11.00
OM-4 M - *	400	18	16	F10	35 SQ	✓	✓	✓	✓	22.00
OM-5 M - *	500	25	22	F10	35 SQ	✓	✓	✓	✓	22.00
OM-6 M - *	650	31	28	F10	35 SQ	✓	✓	✓	✓	22.00
OM-7 M - *	1000	55	46	F12/F14	35 Ø	✓	✓	✓	✓	36.00
OM-8 M - *	1500	55	46	F12/F14	35 Ø	✓	✓	✓	✓	36.00
OM-9 M - *	2000	70	58	F14/F16	75 Ø	✓	✓	✓	✓	56.00
OM-10 M - *	2500	70	58	F14/F16	75 Ø	✓	✓	✓	✓	56.00
OM-11 M - *	3000	70	58	F14/F16	75 Ø	✓	✓	✓	✓	56.00
OM-12 M - *	3500	70	58	F14/F16	75 Ø	✓	✓	✓	✓	56.00

### Spring Return



### Fail Safe

S500	50	9	3	7	3	F07	17 SQ	OPTIONAL	✓	✓	✓	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
		OPEN	CLOSED	OPEN	CLOSED							

### Linear.



### Self Locking Drive

Model	Thrust (Kg)	Stroke Timing (mm/sec)		MTG Flange ISO5211	Stroke (mm)		Override	Visual Indicator	IP67	Extra Contacts	Kg
		AC	DC		Min	Max					
L250	250	0.6	0.6	F07	20	50	✓	✓	✓	✓	8
L500	500	0.6	0.6	F07	20	50	✓	✓	✓	✓	8
L1000	1000	0.5	0.5	F10	38	100	✓	✓	✓	✓	22.5
L2000	2000	0.5	0.5	F10	38	100	✓	✓	✓	✓	22.5

Optional Modulating 4-20mA

### Optional Items



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

### Pneumatic

Model		Torque (NM) at 5.5 BAR	Torque (NM) at 5.5 BAR		MTG Flange ISO5211	Drive MM	Features & Options	Kg
ALUM	304SS		Start	Finish				

#### Double Acting



Double Acting

#### Aluminium • Stainless Steel Optional

DA32	—	8.0	/	/	F03	9 SQ	Standard:	0.48
DA52	SDA45	20.0			F03/F05	11 SQ	Visual indicator	1.05
DA63	SDA60	36.2			F05/F07	14 SQ	Adjustable stroke	1.50
DA75	—	66.0			F05/F07	17 SQ	Anodised aluminium	2.60
DA85	SDA85	95.8			F05/F07	17 SQ	body (Std)	3.40
DA100	SDA105	151			F07/F10	17 SQ	NBR seals (80°C))	5.10
DA115	—	249			F07/F10	22 SQ		8.00
DA125	SDA125	327			F07/F10	22 SQ	Options:	10.00
DA140	SDA140	453			F10/F12	27 SQ	St/St body	15.00
DA160	SDA160	624			F10/F12	27 SQ	Viton seals (120°C)	19.50
DA185	—	842			F14	36 SQ		27.00
DA200	SDA210	1170			F14	36 SQ	Optional:	32.80
DA240	—	2553			F16	46 SQ	Stainless Steel Body	60.00
DA270	—	3590			F16	46 SQ		71.50

#### Spring Return



Spring Return

#### Aluminium • Stainless Steel Optional

SR52	SSR45	11.4	/	/	F03/F05	11 SQ	Standard:	1.20
SR63	SSR60	21.7			F05/F07	14 SQ	Visual indicator	1.80
SR75	—	39.8			F05/F07	17 SQ	Adjustable stroke	3.20
SR85	SSR85	55.6			F05/F07	17 SQ	Anodised aluminium	4.30
SR100	SSR105	90.2			F07/F10	17 SQ	body (Std)	6.60
SR115	—	152			F07/F10	22 SQ	NBR seals (80°C))	10.60
SR125	SSR125	198			F07/F10	22 SQ		13.40
SR140	SSR140	280			F10/F12	27 SQ	Options:	20.00
SR160	SSR160	355			F10/F12	27 SQ	St/St body	24.40
SR185	—	463			F14	36 SQ	Viton seals	32.00
SR200	SSR210	662			F14	36 SQ		50.50
SR240	—	1429			F16	46 SQ	Optional:	70.00
SR270	—	2010			F16	46 SQ	Stainless Steel Body	88.00

#### Feed back

Model	Rating	Sensor	Temp.	Other	Enclosure
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#### Limit Switch Box



Series LS

#### Aluminium • Prewired • Hi Visual Indicator

LS - A	IP67	2 x SPDT Mechanical Switch 10 Amp AC 250V Max 2 Amp DC  Gold contacts available for intrinsically safe.	-20°C – 80°C	2 Cable Entry M20 x 1.5	Die Cast Aluminium. Powder Coated.  304SS Bracket
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#### Limit Switch Box



Series LS

#### Aluminium • Explosion Proof • Exd IIB. T6

LS - A - Exd	IP66	15A SPDT x 2 15A SPDT x 3 15A SPDT x 4  Various Inductive Sensors	-25°C – 85°C	2 Cable Entry M20 x 1.5	Die Cast Aluminium. Powder Coated.  304SS Bracket
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#### Limit Switch Box



Series LSS

#### 316 Stainless Steel Enclosure • Explosion Proof • Exd IIB. T6

LS - S - Exd	IP66	15A SPDT x 2 15A SPDT x 3 15A SPDT x 4  Various Inductive Sensors	-25°C – 85°C	2 Cable Entry M20 x 1.5	316SS Body  304SS Bracket
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#### Electro-Pneumatic Positioner - 90° Rotation




Series LSS


Model	Rating	Temp.	Other
1000 RDTN	Weatherproof IP66	-20°C	Epoxy Painted Aluminium Body G1/2 Conduit Entry Input 4-20mA Output 4-20mA Supply Pressure 1.4 ~ 7 BAR Air Filter Mandatory
1000 RDTM	Explosion Proof • Exm IIB(C) T6	↓	
1000 RDTI	Intrinsically Safe • Exia IIB T6	70°C	

Switch	Model	Description	Connection	Function
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### PRESSURE SWITCH

 <p>Series PSM/PSP Pressure Switch</p>	PSM2R14 PSM10R14	Brass Brass	0.2-2 Bar 1-10 Bar	Max 80 Bar	1/4" BSP (Parallel) with O'Ring Seal	S.P.D.T. (NC or NO) 6Amp (res) 2 Amp (Inductive) 240V AC Max 30% Full Scale Hysteresis
	PSM2R14AP PSM10R14APS PSM50R14S PSM100R14S PSM150R14S PSP300R14S	Plated Steel Plated Steel Plated Steel Plated Steel Plated Steel	0.2-2 Bar 1-10 Bar 10-50 Bar 10-100 Bar 30-150 Bar	Max 300 Bar Over Pressure		
	2751012		4 PIN Connector Plug			


### VACUUM SWITCH

 <p>Series VSM Vacuum Switch</p>	VSM1R14	Plated Steel	100-500 mBar (VAC)	Over Pressure up to 20 Bar	1/4" BSP (Parallel) with O'Ring Seal	S.P.D.T. (NC or NO) 6Amp (res) 2 Amp (Inductive) 240V AC Max 30% Full Scale Hysteresis
	VSM2R14	Plated Steel	500-900 mBar (VAC)			

Plug	Model	Description	Gromet (ID mm)	Cable Gland	Voltage Range	Pin Details
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### CONNECTOR PLUG

#### Square 28x28mm

	DPSL - 6 - H - PG11 DPSL - 6 - L - PG11	LED Illuminated LED Illuminated	6 6	PG11 PG11	70 ~ 250v AC/DC 10 ~ 50v AC/DC	2 Pin + Earth 18mm Pin Spacing
	DPSM - 6 - H - PG11 DPSM - 6 - L - PG11	Surge Suppresion Surge Suppresion	6 6	PG11 PG11	61 ~ 240v AC/DC 0 ~ 60v AC/DC	
	DPSR - 6 - H - PG11 DPSR - 6 - L - PG11	Rectifier Plug Rectifier Plug	9 9	PG11 PG11	110/240v AC ~ 110/240v DC 12/24v AC ~ 12/24v DC	2 Pin + Earth 3 Pin + Earth
	DPSB - 6 - 2E - PG11 DPSB - 6 - 3E - PG11	Plain Black Plain Black	6 6	PG11 PG11	0 ~ 250v AC/DC 0 ~ 250v AC/DC	


### CONNECTOR PLUG

#### Rectangle 20x28mm

	DPRL - 6 - H - PG9 DPRL - 6 - L - PG9	LED Illuminated LED Illuminated	6 6	PG9 PG9	70 ~ 250v AC/DC 10 ~ 50v AC/DC	2 Pin + Earth 2 Pin + Earth
	DPRB - 6 - PG9	Plain Black	6	PG9	10 ~ 415v AC/DC	2 Pin + Earth
						9.4mm Pin Spacing 11mm Pin Spacing


### CONNECTOR PLUG

#### Mini Plug 15x15mm

	DPML - 4 - H - PG7 DPML - 4 - L - PG7	LED Illuminated LED Illuminated	4 4	PG7 PG7	70 ~ 250v AC/DC 10 ~ 50v AC/DC	2 Pin + Earth 9.4mm Pin Spacing
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### CONNECTOR PLUG

#### A-B Adapter

	A-B ADAPT	Converts Rectangular DIN 43650B to Square DIN 43650A Used in Conjunction with Solenoid Valve Timers (refers to Series EM/TEC Data Sheet & page 26)				
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# Timer

Model	Description	Connection	Function
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## TIMERS



### Digital. Programable 0.1 Sec - 99 Hours

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

## TIMERS



### Analog. External Knob Adjustment

Blow Down Cycle Timer TEC - 22A	Cycle Timer	24 - 240V AC/DC	Square Plug	ON 0.5 - 10 Sec	OFF 0.5 - 45 Sec
Dust Bag Pulse Cycle Timer EM - 231	Cycle Timer	24 - 240V AC/DC	Square Plug	Max Current 1 Amp	
				20 - 300mm/Sec	1 - 45 min

## POWER SAVER



### Heat and Power Reduction in Coils

EMP - L	POWER SAVER	10-36V AC/DC	Square Plug	Max Current 1 Amp 10 - 50 Watt	
EMP - H	POWER SAVER	110 - 240V AC	Square Plug	Max Current 1 Amp 10 - 28 Watt Reduce Heat and Power 15 - 85% in Solenoid Coils	

## TIMER / DRAIN VALVE



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

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	Body: Brass Seats: Viton (Standard)	Operator: Brass & Stainless Steel	Air (Compressed Air Condensate) Manual Test Cycle. LED Indicator. Direct Acting
Optional Flex & Plug "F" Suffix					
	0.5 - 10 SECS ON 1 - 45 MINS OFF ADJUSTABLE				

## TIMER / DRAIN VALVE



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

CRD - 4 - 4.5 - * VY 16 BAR	Value & Timer combination for condensate removal from air systems.	1/2" BSP	Body: Brass Seats: Viton (Standard)	Operator: Brass & Stainless Steel	Air (Compressed Air Condensate) Manual Test Cycle. LED Indicator. Direct Acting
CRD - 4 - 2.8 - * VY 40 BAR					
CRD - 4 - 1.9 - * V 80 BAR	Separate Isolation Ball Valve and Strainer	1/2" BSP			
Optional 'Flex' 3 pin plug x 1.3m	0.5 - 10 SECS ON 1 - 45 MINS OFF ADJUSTABLE	Voltages:- 240VAC (Standard) 24VAC 24VDC			

### Ancillary

Model	Function/ Port Size	Orifice Ømm	CV CV	Pressure (Bar) Air & Fluid		Vacuum Hg"	Media Temperature	Material of Construction	Features
				AC	DC				

#### FLUID / SLURRY



#### Pinch Valve - Plastic

STANDARD				Media	Pilot	N/A	Contact Process Systems for individual sleeve specs.	Housing: G.R Nylon (std) Polypropylene opt.  Sleeve: NBR (STD) EPDM Viton Silicone	Air, Fluid & Dry Flowables. Viscos Fluid Slurry Sludge Service  No Blockage. Full Flow.  Air pilot operated
AP - 6331	N.O.	1/4	6	3.4	5.5				
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				

See page 8 for solenoid pilot valve

#### FLUID / STEAM



#### Angle Seat Valve - 316SS

Angle Seat Valve				Over Seat	Under Seat	27	-10°C  180°C	Body & Actuator: 316 Stainless Steel  P.T.F.E (Seats)	Compact Design  Single Acting (Spring return)
AS - 3 - 13 - SA - 50	N.C.	3/8	13	16	16				
AS - 4 - 13 - SA - 50		1/2	13	16	16				
AS - 5 - 18 - SA - 50		3/4	18	16	12				
AS - 6 - 24 - SA - 63		1	24	16	10				
AS - 7 - 31 - SA - 80		1-1/4	31	16	12				
AS - 8 - 35 - SA - 80		1-1/2	35	16	10				
AS - 9 - 45 - SA - 80	N.C.	2	45	16	6				

See page 8 for Solenoid Pilot Valves

#### FLOW CONTROL



#### Needle Valve - 316SS

NVS2		1/4		6,000 PSI 408 BAR	27"	180°C	316 St/St  PTFE Packing	Fine Adjustment of Flow
NVS3		3/8						
NVS4		1/2						
NVS5		3/4						
NVS6		1						

#### AIR / FLUID



#### Y Strainer - 316SS

YSS4 - T		1/2		800 PSI 54 BAR	27"	200°C	316 St/St  1mm Mesh	Removes Coarse Particles
YSS5 - T		3/4						
YSS6 - T		1						
YSS7 - T		1-1/4						
YSS8 - T		1-1/2						
YSS9 - T		2						

#### AIR / FLUID



#### Piston Check - 316SS

PCS4 - T		1/2		800 PSI 54 BAR	27"	180°C	316 St/St  PTFE Seat	One Way Flow  Can be mounted in any attitude
PCS5 - T		3/4						
PCS6 - T		1						
PCS7 - T		1-1/4						
PCS8 - T		1-1/2						
PCS9 - T		2						

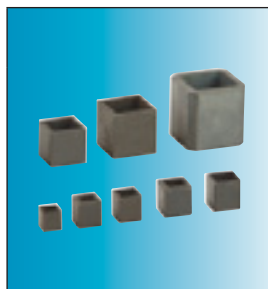
#### AIR / FLUID



#### Swing Check - 316SS

SCS4		1/2		200 PSI 13 BAR	N/A	200°C	316 St/St  Metal to Metal Seat	One Way Flow  Not suitable for downward flow
SCS5		3/4						
SCS6		1						
SCS7		1-1/4						
SCS8		1-1/2						
SCS9		2						

#### DRIVE ADAPTORS



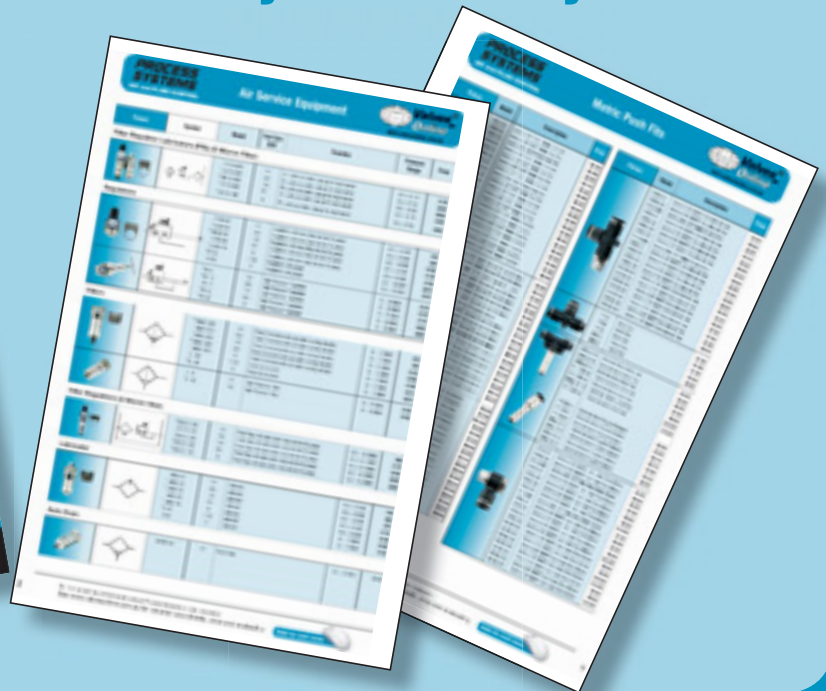
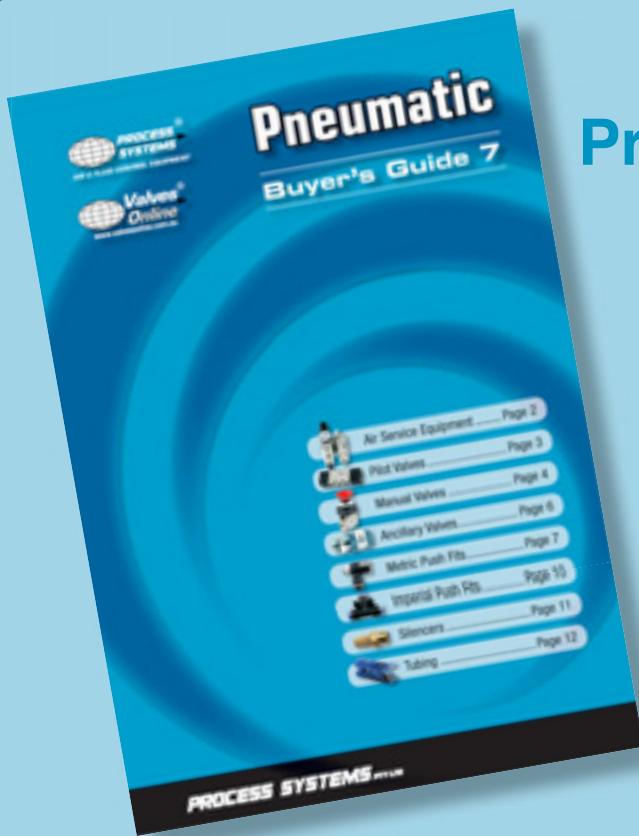
#### Square

ZT11 - 9 - 11	11mm x 9mm
ZT14 - 9 - 16	14mm x 9mm
ZT14 - 11 - 16	14mm x 11mm
ZT17 - 11 - 18	17mm x 11mm
ZT17 - 14 - 18	17mm x 14mm
ZT22 - 14 - 22	22mm x 14mm
ZT22 - 17 - 22	22mm x 17mm
ZT27 - 17 - 28	27mm x 17mm
ZT27 - 22 - 26	27mm x 22mm
ZT36 - 27 - 36	36mm x 27mm

#### Mounting Brackets

		ZYCA01 ZYCA02 ZYCA03	F03 / F04 / F05 F04 / F05 / F06 F07 / F10 / F12

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3-Way (On-Off + Vent)  
5-Way (Actuator Control)
- Fluid Pressure or Vacuum
- Fluid Temperature.... °C
- Voltage ..... AC  
DC
- Port Size/Pipe Size .. (BSP)
- Any Special Requirements

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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.

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All 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.