

Buyer's Guide 9

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



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Approvals



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2 Way

AIR / FLUID / VACUUM



Model	Function/ Port Size	Orifice BSP	CV Ømm	Pressure (Bar) Air & Fluid		Vacuum Hg”	Media Temperature	Material of Construction	Features
				AC	DC				
Normally Closed / Normally Open • Manual Override. SS304									
S25 - 2 - 1.6 - * V	N.C. N.O.	1/4 1/4	1.6 1.6	0.1 0.1	0-13 0-13	0-13 0-13	27 27	-10°C 100°C	Body: 304 Stainless Steel. Seals: Viton Operator: Stainless Steel
S26 - 2 - 1.6 - * V									Air, Fluid & Vacuum. Manual Override. Direct Acting. 11VA AC 15W DC IP65

AIR / WATER



Normally Closed • BRASS									
B35 - 2 - 10 - * N	N.C.	1/4	10	2.3	0.3-10	0.3-10	N/A	-5°C	Body: Brass
B35 - 3 - 10 - * N		3/8	10	2.3	0.3-10	0.3-10			Operator:
B35 - 4 - 10 - * N		1/2	10	3	0.3-10	0.3-10			Stainless Steel
B35 - 4 - 14 - * N		1/2	14	5	0.3-10	0.3-10			Seat: NBR
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		80°C	

AIR / WATER



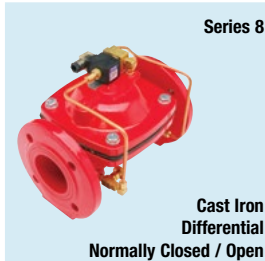
Normally Closed • Manual Override • BRASS									
B35M - 4 - 14 - * N	N.C.	1/2	14	5	0.3-10	0.3-10	N/A	-5°C	Body: Brass
B35M - 5 - 20 - * N		3/4	20	10	0.3-16	0.3-16			Operator:
B35M - 6 - 20 - * N		1	20	11	0.3-16	0.3-16			Stainless Steel
B35M - 7 - 40 - * N		1 1/4	40	28	0.7-16	0.7-16			Seals: NBR
B35M - 8 - 40 - * N		1 1/2	40	34	0.7-16	0.7-16			Operator:
B35M - 9 - 50 - * N	N.C.	2	50	50	0.7-16	0.7-16		80°C	Stainless Steel

AIR / WATER



Normally Open • BRASS									
B36 - 2 - 14 - * N	N.O.	1/4	14	3	0.3-10	0.3-10	N/A	-5°C	Body: Brass
B36 - 3 - 14 - * N		3/8	14	4	0.3-10	0.3-10			Operator:
B36 - 4 - 14 - * N		1/2	14	5	0.3-10	0.3-10			Stainless Steel
B36 - 5 - 20 - * N		3/4	20	10	0.3-16	0.3-16			Seat: NBR
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	

AIR / WATER



Normally Closed / Normally Open • Cast Iron									
C85 - 8 - 40 - *	N.C.	1-1/2	40		1.5-16	1.5-16	N/A	5°C	Body: C = Cast Iron
C85 - 9 - 50 - *		2	50		1.5-16	1.5-16			Seals: Reinforced Natural Rubber.
C85 - 11 - 80 - *		3	80		1.5-16	1.5-16			Operator: Brass & Stainless Steel
C85 - 11F - 80 - *		Flange	80		1.5-16	1.5-16			Flanges – Table D
C85 - 12F - 100 - *		Flange	100		1.5-16	1.5-16			
C85 - 14F - 150 - *	N.C.	Flange	150		1.5-16	1.5-16			
C86 - 8 - 40 - *	N.O.	1-1/2	40		1.5-16	1.5-16			
C86 - 9 - 50 - *		2	50		1.5-16	1.5-16			
C86 - 11 - 80 - *		3	80		1.5-16	1.5-16			
C86 - 11F - 80 - *		Flange	80		1.5-16	1.5-16			

2 Way / 2 Position Air • Water • Vacuum

Normally Closed (N.C.) & Normally Open (N.O.)

2 Way

AIR / WATER / VACUUM



Normally Closed • SS304

ES55 - 2 - 2 - * V	N.C.	1/4	2.0	0.10	0-16	0-16	┐	-10°C	Body: 304 Stainless Steel. Seals: Viton Operator: Stainless Steel	Air, Fluid & Vacuum. Direct Acting. 11VA AC 15W DC IP65
ES55 - 2 - 3 - * V		1/4	3.0	0.20	0-10	0-10	27			
ES55 - 2 - 4 - * V	N.C.	1/4	4.0	0.40	0-6	0-6	┘	100°C		

AIR / WATER / VACUUM



Normally Closed • SS304

ES55 - 4 - 16 - * N	N.C.	1/2	16	4.8	0-5	0-5	27	-5°C	Body: 304 Stainless Steel. Seals: NBR Operator: Stainless Steel	Air, Fluid & Vacuum. 304 Body (Optional 316SS) Zero Differential 33VA AC 20W DC ES55-7 to 9 28VA AC 30W DC IP65
ES55 - 5 - 20 - * N		3/4	20	7.6	0-5	0-5	27	80°C		
ES55 - 6 - 25 - * N		1	25	12	0-5	0-5	27	80°C		
ES55 - 7 - 35 - * N		1-1/4	35	24	0-5	0-5	27	80°C		
ES55 - 8 - 40 - * N		1-1/2	40	29	0-5	0-5	27	80°C		
ES55 - 9 - 50 - * N	N.C.	2	50	48	0-5	0-5	27	80°C		

AIR / WATER / VACUUM



Normally Open • SS304

ES56 - 4 - 16 - * N	N.O.	1/2	16	4.8	0-5	0-5	27	-5°C	Body: 304 Stainless Steel. Seals: NBR Operator: Stainless Steel	Air, Fluid & Vacuum. 304 Body (Optional 316SS) Zero Differential 45VA AC 30W DC IP65
ES56 - 5 - 20 - * N		3/4	20	7.6	0-5	0-5	27	80°C		
ES56 - 6 - 25 - * N	N.O.	1	25	12	0-5	0-5	27	80°C		

POTABLE WATER



Normally Closed • SS316 (Watermark Approved)

W35 - 4 - 14 - * E	N.C.	1/2	14	5	0.25 - 16	0.25 - 16	N/A	-10°C	Body: 316 Stainless Steel. Seat: EPDM	Air, Fluid, Potable Water 27VA AC 18W DC IP65
W35 - 5 - 20 - * E		3/4	20	10	0.25 - 16	0.25 - 16	N/A	80°C		
W35 - 6 - 25 - * E		1	25	11	0.25 - 16	0.25 - 16	N/A	80°C		
W35 - 7 - 40 - * E		1-1/4	40	28	0.7 - 16	0.7 - 16	N/A	80°C		
W35 - 8 - 40 - * E		1-1/2	40	34	0.7 - 16	0.7 - 16	N/A	80°C		
W35 - 9 - 50 - * E	N.C.	2	50	50	0.7 - 16	0.7 - 16	N/A	80°C		

POTABLE WATER



Normally Open • SS316 (Watermark Approved)

W36 - 4 - 14 - * E	N.O.	1/2	14	5	0.25 - 16	0.25 - 16	N/A	-10°C	Body: 316 Stainless Steel. Seat: EPDM	Air, Fluid, Potable Water 27VA AC 18W DC IP65
W36 - 5 - 20 - * E		3/4	20	10	0.25 - 16	0.25 - 16	N/A	80°C		
W36 - 6 - 25 - * E		1	25	11	0.25 - 16	0.25 - 16	N/A	80°C		
W36 - 7 - 40 - * E		1-1/4	40	28	0.7 - 16	0.7 - 16	N/A	80°C		
W36 - 8 - 40 - * E		1-1/2	40	34	0.7 - 16	0.7 - 16	N/A	80°C		
W36 - 9 - 50 - * E	N.O.	2	50	50	0.7 - 16	0.7 - 16	N/A	80°C		

2 Way

STEAM / HIGH TEMP



Model	Function/ Port Size		Orifice	CV	Pressure (Bar) Air & Fluid		Media Temperature		Material of Construction	Features
	BSP	Ømm		CV	STEAM	OIL	STEAM	AIR/OIL		
Normally Closed • BRASS - Optional DIN IP65 Coil										B75
B75 - 2 - 3 - * TF	N.C.	1/4	3	0.26	0-10	0-10	-10°C	-10°C	Body: Brass Seals: PTFE Operator: Stainless Steel Type H Coil IP55	Steam (180°C) Air & Oil (200°C) High Temp. Piston Type. B75-2 9VA AC 8W DC B75-3 to B75-9 33VA AC 25W DC IP55
B75 - 2 - 5 - * TF		1/4	5	0.64	0-5	0-5				
B75 - 3 - 4 - * TF		3/8	4	0.58	0-7	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				
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	N.C.	1-1/2	35	26	0.5-10	0.5-20	180°C	200°C	Flying Lead HT Coil Standard	
2" 20 Bar available in SS304 (S75 - 9 - 50 - * T)									Optional: DIN Plug	

STEAM / HIGH TEMP



Normally Closed • SS304 - Optional DIN IP65 Coil									S75	
S75 - 4 - 15 - * TF	N.C.	1/2	15	4.5	0.5-10	0.5-20	-10°C	-10°C	Body: 304SS Option:316SS Seals: PTFE Operator: Stainless Steel Type H Coil IP55 Flying Lead HT Coil Standard Optional: DIN Plug	Steam (180°C) Air & Oil (200°C) High Temp. Piston Type. 33VA AC 25W DC Optional: High Temp. to 250°C IP55
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 - 40 - * TF		1-1/2	40	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		
Flange option available on request										

316 STAINLESS STEEL



Normally Closed • SS316								SS75		
SS75 - 4 - 15 - * TF	N.C.	1/2	15	4.5	0.5-10	0.5-20	-10°C	-10°C	Body: 316SS Seals: PTFE Operator: Stainless Steel Type H Coil IP55 Flying Lead HT Coil Standard Optional: DIN Plug	Steam (180°C) Air & Oil (200°C) High Temp. Piston Type. 33VA AC 25W DC IP55
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 - 40 - * TF		1-1/2	40	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		
Flange option available on request										

VERY HIGH TEMP



Normally Closed • SS304									S75T
S75T - 4 - 15 - * TF	N.C.	1/2	15	4.5	0.5-25	-10°C	-10°C	Body: 304SS Seals: RTFE (PTFE + Metal) Operator: Stainless Steel Type H Coil IP55 Flying Lead HT Coil Standard Optional: DIN Plug	Steam (200°C) Air & Oil (250°C) High Temp. Piston Type. 33VA AC 25W DC IP55
S75T - 5 - 20 - * TF		3/4	20	9.3	0.5-25				
S75T - 6 - 25 - * TF		1	25	13.2	0.5-25				
S75T - 8 - 40 - * TF		1-1/2	40	26	0.5-25				
S75T - 9 - 50 - * TF	N.C.	2	50	48	0.5-25	225°C	225°C		

High Pressure

AIR / FLUID



Model	Function/ Port Size		Orifice	CV	Pressure (Bar) Air & Fluid		Vacuum Hg”	Media Temperature	Material of Construction	Features
	BSP	Ømm	CV	AC	DC					
Normally Closed. BRASS										
B55H - 2 - 1.2 * T B55H - 2 - 1.6 * T B55H - 2 - 2 - * T B55H - 2 - 3 - * T B55H - 2 - 4 - * V B55H - 2 - 5 - * V	N.C. N.C.	1/4 1/4	1.2 1.6 2 3 4 5	0.07 0.09 0.11 0.26 0.58 0.64	0-150 0-80 0-60 0-40 0-20 0-15	0-105 0-56 0-42 0-28 0-14 0-10	27 27	-10°C 120°C	Body: Brass Seals: Teflon Viton 2-4/2-5	Air, Fluid & Vacuum Direct Acting Standard -T 45VA AC 30W DC DIN Plug IP65 Optional -TF 55VA AC 33W DC Flying Lead IP54

AIR / FLUID



Normally Closed. SS316									
S55H - 2 - 1.2 * T	N.C.	1/4	1.2	0.07	0-150	0-105	27	-10°C 120°C	Body: 316 Stainless Steel. Seals: Teflon Viton 2-4/2-5 Standard -T 45VA AC 30W DC DIN Plug IP65 Optional -TF 55VA AC 33W DC Flying Lead IP54
S55H - 2 - 1.6 * T			1.6	0.09	0-80	0-56			
S55H - 2 - 2 * T			2	0.11	0-60	0-42			
S55H - 2 - 3 * T			3	0.26	0-40	0-28			
S55H - 2 - 4 * V			4	0.58	0-20	0-14			
S55H - 2 - 5 * V	N.C.	1/4	5	0.64	0-15	0-10			

AIR / FLUID



Normally Closed • BRASS									B75-B75H-B75HH	
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				
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	N.C.	1 1/2	35	26	0.5-20	0.5-20				
2" 20 Bar available in SS304 (S75 - 9 - 50 - * T)									Operator: Stainless Steel	High Press. Piston Type.
B75H - 4 - 15 - * T	N.C.	1/2	15	4.5	0.5-40	0.5-40				
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	N/A	-10°C		
B75H - 9 - 50 - * T		2	50	48	0.5-40	0.5-40				
B75HH - 4 - 15 - * T		1/2	15	4.5	0.5-80	0.5-80				
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			24.4VA AC 25W DC	
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	N.C.	2	50	48	0.5-80	0.5-80				

AIR / FLUID



Normally Closed • SS304										S75	
S75 - 4 - 15 - * T	N.C.	1/2	15	4.5	0.5-20	0.5-20	N/A	-10°C	Body: 304 SS	Air, Fluid	
S75 - 5 - 20 - * T		3/4	20	9.3	0.5-20	0.5-20		Seals: Teflon			
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 - 40 - * T		1 1/2	40	26	0.5-20	0.5-20					
S75 - 9 - 50 - * T	N.C.	2	50	48	0.5-20	0.5-20	180°C		Operator: Stainless Steel	High Press. Piston Type.	
Flange option available on request									24.4VA AC	IP65	
									25W DC		

OTHER VALVES TO 150BAR AVAILABLE

2 Way

PETROCHEMICAL



Model	Function/ Port Size	Orifice	CV	Pressure (Bar) Air & Fluid		Vacuum Hg”	Media Temperature	Material of Construction	Features	
	BSP	Ømm	CV	AC	DC					
Normally Closed • BRASS • Direct Acting									B55	
B55 - 2 - 3 - * V	N.C.	1/4	3	0.26	0-10	0-10	27	-10°C	Body: Brass Seals: Viton (std) PTFE EPDM Silicone	Air, Fluid & Vacuum Direct Acting. 15VA AC 12W DC Part #s B55-3 to B55-4 24.4VA AC 25W DC IP65
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				

PETROCHEMICAL



Normally Closed • BRASS • Coupled Diaphragm									B55	
B55 - 4 - 15 - * V	N.C.	1/2	15	4.5	0-10	0-10	27	-10°C	Body: Brass	Air, Fluid & Vacuum
B55 - 5 - 20 - * V		3/4	20	9.3	0-10	0-10			Seals: Viton (std)	
B55 - 6 - 25 - * V		1	25	13.2	0-10	0-10			Operator:	
B55 - 7 - 35 - * V		1-1/4	35	26	0-10	0-10			Stainless Steel	
B55 - 8 - 35 - * V	N.C.	1-1/2	35	26	0-10	0-10	100°C	Optional	Optional: Explosion proof (See pages 7)	
B55 - 9 - 50 - * V		2	50	48	0-7	0-7		0.6-16 BAR		
									Optional: - Manual Override - Higher Pressure Range	24.4VA AC 25W DC IP65

PETROCHEMICAL



Normally Open. BRASS										B56
B56 - 2 - 3 - * V	N.O.	1/4	3	0.26	0-10	0-10	27	-10°C	Body: Brass Seals: Viton (std) Operator: Stainless Steel	Air & Fluid Normally Open. Direct and Differential Acting 24.4VA AC 25W DC 6A~8A Part #s B56-3~ -B56-9 15.4VA AC 12W DC IP65
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	N/A			
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	N.O.	1-1/2	35	26	0.5-10	0.5-10		100°C		
B56 - 9 - 50 - * V		2	50	48	0.5-7	0.5-7				

PETROCHEMICAL / AGGRESSIVE FLUIDS • Normally Closed • SS316 - Direct Acting



EXPRESSIVE FLUIDS • Normally Closed • SS316 - Direct Acting										S55
S55 - 2 - 3 - * V	N.C.	1/4	3	0.26	0-10	0-10	27	-10°C	Body: 316 Stainless Steel Seals: Viton (std.) Silicone. PTFE EPDM Operator: Stainless Steel	Air, Fluid & Vacuum. Direct Acting 15VA AC 12W DC Part #s S55-3 to S55-4 24.4VA AC 25W DC IP65
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		100°C		

PETROCHEMICAL / AGGRESSIVE FLUIDS • Normally Closed • SS316 - Coupled Diaphragm



PRESSIVE FLUIDS • Normally Closed • SS316 - Coupled Diaphragm									S55	
S55 - 4 - 15 - * V	N.C.	1/2	15	4.5	0-10	0-10	27	-10°C	Body: 316 Stainless Steel Seals: Viton (std.) Silicone. EPDM Operator: Stainless Steel Optional: - Manual Override - Higher Pressure Range	Air, Fluid & Vacuum. Zero Differential Optional: Explosion proof coils. (Page 7) 24.4VA AC 25W DC IP65
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	N.C.	2	50	48	0-7	0-7				
Flanged available										

PETROCHEMICAL / AGGRESSIVE FLUIDS • Normally Open • SS316



EXPRESSIVE FLUIDS • Normally Open • SS316										S56
S56 - 2 - 3 - * V	N.O.	1/4	3	0.26	0-10	0-10	27	-10°C	Body: 316 Stainless Steel Seals: Viton (std.) Silicone. PTFE Operator: Stainless Steel	Air, Fluid Normally Open. Direct & Differential Acting 24.4VA AC 25W DC Part #s S56-3 to S56-9 15.4VA AC 12W DC IP65
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	N/A	100°C		
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	N.O.	2	50	48	0.5-7	0.5-7				
Flanged available										

Ex

AIR / FLUID / PETROCHEMICAL Normally Closed • BRASS

B55 Ex



Model	Function/ Port Size BSP	Orifice Ømm	CV CV	Pressure (Bar) Air & Fluid		Vacuum Hg"	Media Temperature	Material of Construction	Features
				AC	DC				
B55EX - 3 - 4 - * V	N.C.	3/8	4	0.58	0-10	0-10	27	-10°C 40°C	Body: Brass Seals Viton (std) EPDM Silicone PTFE (Models 3-4 to 4-8) 220-240v 50/60Hz, 220v DC 110-120v 50/60Hz, 110v DC 24v 50Hz, 24v DC Manual Override Optional
B55EX - 3 - 6 - * V		3/8	6	0.79	0-5	0-5			
B55EX - 3 - 8 - * V		3/8	8	0.97	0-2	0-2			
B55EX - 4 - 6 - * V		1/2	6	0.79	0-5	0-5			
B55EX - 4 - 8 - * V		1/2	8	0.97	0-2	0-2			
B55EX - 4 - 15 - * V		1/2	15	4.5	0-10	0-10			
B55EX - 5 - 20 - * V		3/4	20	9.3	0-10	0-10			
B55EX - 6 - 25 - * V		1	25	13.2	0-10	0-10			
B55EX - 7 - 35 - * V	1 1/4	35	26	0-10	0-10	0-10			
B55EX - 8 - 35 - * V	1 1/2	35	26	0-10	0-10	0-10			
B55EX - 9 - 50 - * V	N.C.	2	50	48	0-7	0-7			

AIR / FLUID / PETROCHEMICAL Normally Closed • SS316

S55 Ex



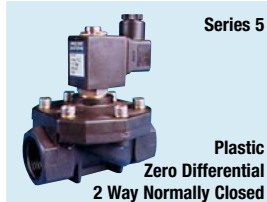
S55EX - 3 - 4 - * V	N.C.	3/8	4	0.58	0-10	0-10	27	-10°C 40°C	316SS Body Seals Viton (std) Silicone EPDM PTFE (Models 3-4 to 4-8) 220-240v 50/60Hz, 220v DC 110-120v 50/60Hz, 110v DC 24v 50Hz, 24v DC Manual Override Optional	Air, Fluid Vacuum Zero Differential. Vacuum. Low pressure & Tank Drain IP65 ICEX PTB 15.0015 X ATEX 2027X PTB 11 100% ED -40°C to +60°C
S55EX - 3 - 6 - * V		3/8	6	0.79	0-5	0-5				
S55EX - 3 - 8 - * V		3/8	8	0.97	0-2	0-2				
S55EX - 4 - 6 - * V		1/2	6	0.79	0-5	0-5				
S55EX - 4 - 8 - * V		1/2	8	0.97	0-2	0-2				
S55EX - 4 - 15 - * V		1/2	15	4.5	0-10	0-10				
S55EX - 5 - 20 - * V		3/4	20	9.3	0-10	0-10				
S55EX - 6 - 25 - * V		1	25	13.2	0-10	0-10				
S55EX - 7 - 35 - * V	1 1/4	35	26	0-10	0-10	0-10				
S55EX - 8 - 35 - * V	1 1/2	35	26	0-10	0-10	0-10				
S55EX - 9 - 50 - * V	N.C.	2	50	48	0-7	0-7				

Flange option available on request

Copy of certification can be downloaded from website... www.valvesonline.com.au

**Air / Fluid
2-3 Way**

AIR / FLUID



Model	Function/ Port Size		Orifice	CV	Pressure (Bar) Air & Fluid		Vacuum Hg”	Media Temperature	Material of Construction	Features
	BSP	Ømm	CV	AC	DC					
Normally Closed • GR NYLON										P55
P55 - 4 - 16 - *V P55 - 5 - 20 - *V P55 - 6 - 25 - *V	N.C. I N.C.	1/2 3/4 1	16 20 25		0-6 0-6 0-6	0-6 0-6 0-6	┴ 27 ┴	5°C I 65°C	Body: Glass Reinforced Nylon Seals: Viton Operator: Stainless Steel	Air & Fluid. 33VA AC 20W DC IP65

AIR



3/2 Way Normally Closed • Manual Override • ZINC									Z17	
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 6VA AC 5W DC IP65

AIR / FLUID



3/2 Way Normally Closed / Normally Open • SS304										ES57-58
ES57 - 2 - 1.6 - * V ES58 - 2 - 1.6 - * V	N.C. N.O.	1/4 1/4	1.6 1.6	0.20 0.20	0-13 0-13	0-13 0-13	27 27	-10°C I 100°C	Body: 304 Stainless Steel. Seals: Viton Operator: Stainless Steel	Air, Fluid Vacuum. Direct Acting. 11VA AC 15W DC IP65

AIR / FLUID



3/2 Way Normally Closed / Normally Open • SS304 • Manual Override									S27-28	
MANUAL OVERRIDE S27 - 2 - 1.6 - * V S28 - 2 - 1.6 - * V	N.C.	1/4	1.6	0.20	0-13	0-13	27	-10°C	Body:	Air, Fluid Vacuum.
	N.O.	1/4	1.6	0.20	0-13	0-13	27	I	304 Stainless Steel.	Direct Acting.
								100°C	Seals: Viton	Manual Override
									Operator: Stainless Steel	11VA AC 15W DC IP65

AIR / HIGH PRESSURE



3/2 Way Normally Closed - Manual Override • ALUMINIUM • High Flow									A67
A67 - 2 - 8 - * N A67 - 4 - 15 - * N	N.C. N.C.	1/4 1/2	8 12	1.5-24 1.5-24	0.5-24 0.5-24	— —	-5°C 80°C	Body: Aluminium Seals: NBR Operator: Stainless Steel	Air High Flow Manual Override High Pressure. 20VA AC 21W DC IP65

**Air
5 Way**

AIR



Model	Function/ Port Size		Orifice/CV		Pressure (Bar) Air & Fluid		Description	Media Temperature	Material of Construction	Features
	BSP		Ømm	CV	AC	DC				
5/2 Solenoid / Spring • ALUMINIUM										
A69										
A69 - 1 - 5 - *N	5/2	1/8	5	0.67	1.5-8	1.5-8	5/2 Way Solenoid Operated - Spring Return	5°C	Aluminium Body & Spool. POM Ends. Seals: NBR. Operator: Brass & Stainless Steel	Air
A69 - 2 - 7 - *N	5/2	1/4	7	2	1.5-8	1.5-8				
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		
										Manual Override. Lockable High Flow
										6VA AC 5W DC IP65

AIR



5/2 Solenoid / Solenoid • ALUMINIUM A610									
A610 - 1 - 5 - *N	5/2	1/8	5	0.67	1.5-8	1.5-8	5°C 80°C	Aluminium Body & Spool. POM Ends. Seals: NBR. Operator: Brass & Stainless Steel	Air Manual Override. Lockable High Flow 6VA AC 5W DC IP65
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



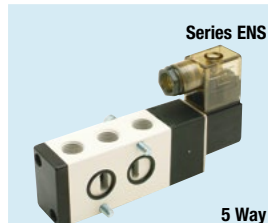
5/3 Solenoid / Solenoid • Closed Centre • ALUMINIUM A611									
A611 - 2 - 7 - *N	5/3	1/4	7	2	1.5-8	1.5-8	5°C 80°C	Aluminium Body & Spool. POM Ends. Seals: NBR. Operator: Brass & Stainless Steel	Air Manual Override. Lockable High Flow 6VA AC 5W DC IP65
A611 - 3 - 7 - *N	5/3	3/8	7	2	1.5-8	1.5-8			
A611 - 4 - 8 - *N	5/3	1/2	8	2.8	1.5-8	1.5-8			
Optional Open Centre A612-2-7-*N	5/3	1/4	7	2	1.5-8	1.5-8			

AIR



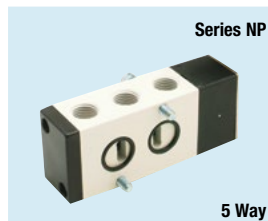
Manifold. ALUMINIUM SM									
EXAMPLE SM02 - 01 SM03 - 02 SM03 - 03 SM03 - 04	2 station 1/8" BSP 3 station 1/4" BSP 3 station 3/8" BSP 4 station 1/2" BSP		STATIONS 2-12 Any type or valve style 5/2 way or 5/3 way can be manifolded.				Extruded Aluminium		
BP Valve port size 1/8" = 01 1/4" = 02 3/8"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

AIR



5/2 NAMUR Solenoid / Spring • Manual Override. ALUMINIUM								ENS	
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 POM Ends. Seals: NBR	Air
END12*5 Solenoid/Solenoid	1/4	5	1.4	1.5-8	1.5-8	Solenoid/ Solenoid			Manual Override. Lockable High Flow
Optional 3/2 Converter Plate									6VA AC 5W DC
									IP65

AIR



5/2 Air Pilot. NAMUR • ALUMINIUM								ANP	
ANPS - 2 - 5 - N	1/4	5	1.4	1.5-8	1.5-8	Pilot/Spr.	5°C 80°C	Body & Spool: Aluminium POM Ends. Seals: NBR	Air IP65
ANPP - 2 - 5 - N	1/4	5	1.4	1.5-8	1.5-8	Pilot/Pilot			
Optional 3/2 Converter Plate									



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

AIR



3/2, 5/2 NAMUR Solenoid / Spring • Manual Override • Aluminium Body									ALV	
ALV510F3 - C5 - * Ex	3/2 5/2	1/4	6	1.1	2-8	2-8	–	–10°C +60°C	Body & Housing: Aluminium Seats: NBR 220-240v 50/60Hz 110-120v 50/60Hz 24v DC 4VA 2.5W	NAMUR Ex d IIC T6 IEC Ex CQM 12.022X IP66 M20 x 1.5 Gland
Converter Plate Included 3/2 + 5/2 Optional: Ex NEPSI Intrinsically Safe										

AIR



3/2, 5/2 NAMUR Solenoid / Solenoid • Manual Override • Aluminium Body									ALV	
ALV520F3 - C5 - * Ex	3/2 5/2	1/4	6	1.1	2-8	2-8	-	-10°C +60°C	Body & Housing: Aluminium Seats: NBR 220-240v 50/60Hz 110-120v 50/60Hz 24v DC 4VA 2.5W	NAMUR Ex d IIC T6 IEC Ex CQM 12.022X IP66 M20 x 1.5 Gland
Converter Plate Included 3/2 + 5/2 Optional: Ex NEPSI Intrinsically Safe										

AIR



3/2, 5/2 NAMUR Solenoid / Spring • Manual Override • SS316 Body									ALV	
ALV610F3 - C4 - * Ex	3/2 5/2	1/4	6	1.1	2-8	2-8	-	-10°C +60°C	Body & Housing: SS316 Seats: NBR 220-240v 50/60Hz 110-120v 50/60Hz 24v DC 4VA 2.5W	NAMUR Ex d IIC T6 IEC Ex CQM 12.022X IP66 M20 x 1.5 Gland
Converter Plate Included 3/2 + 5/2 Optional: Ex NEPSI Intrinsically Safe										

AIR



3/2, 5/2 NAMUR Solenoid / Solenoid • Manual Override • SS316 Body									ALV	
ALV620F3 - C4 - * Ex	3/2 5/2	1/4	6	1.1	2-8	2-8	—	-10°C +60°C	Body & Housing: SS316 Seats: NBR 220-240v 50/60Hz 110-120v 50/60Hz 24v DC 4VA 2.5W	NAMUR Ex d IIC T6 IEC Ex CQM 12.022X IP66 M20 x 1.5 Gland
Converter Plate Included 3/2 + 5/2 Optional: Ex NEPSI Intrinsically Safe										

AIR



5/2 IN-LINE Solenoid / Spring • Manual Override • Aluminium Body									ALV	
ALV510P2 - C5 - * Ex	5/2	1/4	6	1.1	2-8	2-8	–	-10°C +60°C	Body & Housing: Aluminium Seats: NBR 220-240v 50/60Hz 110-120v 50/60Hz 24v DC 4VA 2.5W	Body Ported Ex d IIC T6 IEC Ex CQM 12.022X IP66 M20 x 1.5 Gland
Optional: Ex NEPSI Intrinsically Safe										

AIR



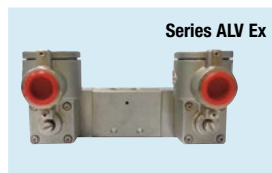
5/2 IN-LINE Solenoid / Solenoid • Manual Override • Aluminium Body									ALV	
ALV520P2 - C5 - * Ex	5/2	1/4	6	1.1	2-8	2-8	—	-10°C +60°C	Body & Housing: Aluminium Seats: NBR 220-240v 50/60Hz 110-120v 50/60Hz 24v DC 4VA 2.5W	Body Ported Ex d IIC T6 IEC Ex CQM 12.022X IP66 M20 x 1.5 Gland
Optional: Ex NEPSI Intrinsically Safe										

AIR



5/2 IN-LINE Solenoid / Spring • Manual Override • SS316 Body									ALV	
ALV610P2 - C4 - * Ex	5/2	1/4	6	1.1	2-8	2-8	–	-10°C +60°C	Body & Housing: SS316 Seats: NBR 220-240v 50/60Hz 110-120v 50/60Hz 24v DC 4VA 2.5W	Body Ported Ex d IIC T6 IEC Ex CQM 12.022X IP66 M20 x 1.5 Gland
Optional: Ex NEPSI Intrinsically Safe										

AIR



5/2 IN-LINE Solenoid / Solenoid • Manual Override • SS316 Body									ALV	
ALV620P2 - C4 - * Ex	5/2	1/4	6	1.1	2-8	2-8	—	-10°C +60°C	Body & Housing: SS316 Seats: NBR 220-240v 50/60Hz 110-120v 50/60Hz 24v DC 4VA 2.5W	Body Ported Ex d IIC T6 IEC Ex CQM 12.022X IP66 M20 x 1.5 Gland
Optional: Ex NEPSI Intrinsically Safe										

PVC

AIR / FLUID / AQUACULTURE Manual Handle • PVC

BLP

Model	Orifice Ømm	Port Size BSP	Actuator	Media Pressure	Media Temperature	Actuator Air Pressure /Voltage	Material of Construction	Features
 Series BLP BLP4B - L - E BLP5B - L - E BLP6B - L - E BLP7B - L - E BLP8B - L - E BLP9B - L - E BLP10B - L - E BLP11B - L - E BLP12B - L - E	15 20 25 32 40 50 65 80 100	1/2 3/4 1 1-1/4 1-1/2 2 2-1/2 3 4	Manual Handle	Vacuum 10 BAR	Ambient Ambient	MANUAL HANDLE	UPVC Body (std.) (Also PP & PVDF) PTFE Seats O-rings EPDM (Std) Viton	True Union with Safety Block. Threaded OR Solvent Weld ANSI Flange
• B = BSP • S = Solvent Weld • F = Flanged								

AIR / FLUID / AQUACULTURE Double Acting Pneumatic • PVC

BLPDA

	Series BLP	BLP4B - DA - E	15	1/2	DA50	Vacuum	Ambient	6-8 BAR	UPVC Body (std.) (Also PP & PVDF)	True Union with Safety Block. Stainless Steel Adaptor and Yoke. BSP or Solvent Weld Actuator std. aluminium Optional Stainless Steel
	BLP5B - DA - E	20	3/4	DA50						
	BLP6B - DA - E	25	1	DA50					PTFE Seats	
	BLP7B - DA - E	32	1-1/4	DA63					O-rings	
	BLP8B - DA - E	40	1-1/2	DA63					EPDM (Std)	
	BLP9B - DA - E	50	2	DA63					Viton	
	BLP10B - DA - E	65	2-1/2	DA75						
	BLP11B - DA - E	80	3	DA75						
	BLP12B - DA - E	100	4	DA75	10 BAR	Ambient	6-8 BAR	Threaded, Solvent Weld		
	Double Acting PVC Body	Viton available, change 'E' to 'V' • B = BSP • S = Solvent Weld • F = Flanged								

AIR / FLUID / AQUACULTURE Spring Return Pneumatic • PVC

BLPSR

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

AIR / FLUID / AQUACULTURE Electric On/Off • PVC

BLPE

	Series BLP	<table><tr><td>BLP4B - E* - E</td><td>15</td><td>1/2</td><td>OM-1</td></tr><tr><td>BLP5B - E* - E</td><td>20</td><td>3/4</td><td>OM-1</td></tr><tr><td>BLP6B - E* - E</td><td>25</td><td>1</td><td>OM-1</td></tr><tr><td>BLP7B - E* - E</td><td>32</td><td>1-1/4</td><td>OM-1</td></tr><tr><td>BLP8B - E* - E</td><td>40</td><td>1-1/2</td><td>OM-1</td></tr><tr><td>BLP9B - E* - E</td><td>50</td><td>2</td><td>OM-1</td></tr><tr><td>BLP10B - E* - E</td><td>65</td><td>2-1/2</td><td>OM-A</td></tr><tr><td>BLP11B - E* - E</td><td>80</td><td>3</td><td>OM-A</td></tr><tr><td>BLP12B - E* - E</td><td>100</td><td>4</td><td>OM-A</td></tr></table>			BLP4B - E* - E	15	1/2	OM-1	BLP5B - E* - E	20	3/4	OM-1	BLP6B - E* - E	25	1	OM-1	BLP7B - E* - E	32	1-1/4	OM-1	BLP8B - E* - E	40	1-1/2	OM-1	BLP9B - E* - E	50	2	OM-1	BLP10B - E* - E	65	2-1/2	OM-A	BLP11B - E* - E	80	3	OM-A	BLP12B - E* - E	100	4	OM-A	VACUUM	Ambient	E1=240VAC E2=110VAC E5=24VAC E7=12VDC E8=24VDC E11=415V	UPVC Body (std.) (Also PP & PVDF) PTFE Seats O-rings EPDM (Std) Viton	True Union with Safety Block. Stainless Steel Adaptor and Yoke. Actuator - see Series 'OM' for details P27. BSP or Solvent Weld
	BLP4B - E* - E	15	1/2	OM-1																																									
BLP5B - E* - E	20	3/4	OM-1																																										
BLP6B - E* - E	25	1	OM-1																																										
BLP7B - E* - E	32	1-1/4	OM-1																																										
BLP8B - E* - E	40	1-1/2	OM-1																																										
BLP9B - E* - E	50	2	OM-1																																										
BLP10B - E* - E	65	2-1/2	OM-A																																										
BLP11B - E* - E	80	3	OM-A																																										
BLP12B - E* - E	100	4	OM-A																																										
Electric Actuated PVC Body	• B = BSP • S = Solvent Weld • F = Flanged			10 BAR	Ambient	IP67 Threaded, Solvent Weld																																							

AIR / FLUID / AQUACULTURE Manual / Pneumatic / Electric • Flange • PVC

BLPF

 Series BLPF Flange PVC Body	BLP4F - L - E BLP5F - L - E BLP6F - L - E BLP7F - L - E BLP8F - L - E BLP9F - L - E BLP10F - L - E BLP11F - L - E BLP12F - L - E	15 20 25 32 40 50 65 80 100	FLANGE	MANUAL LEVER PNEUMATIC DA / SR ELECTRIC	Vacuum 10 BAR	Ambient Ambient	UPVC Body (std.) (Also PP & PVDF) PTFE Seats O-rings EPDM (Std) Viton	True Union with Safety Block. Flange - ANSI Actuation Optional Pneumatic, Electric, Lever & Gear Box
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VITON FKM Optional for all Ball Valve O-Rings (Replace 'E' for 'V' in code)
 BFP PVC Butterfly Valve See Page 21
 BCP PVC Check Valve See Page 35
 YSP PVC Y Strainer See Page 37

PVC

Model	Orifice Ømm	Port Size BSP	Actuator	Media Pressure	Media Temperature	Actuator Air Pressure /Voltage	Material of Construction	Features
AIR / FLUID / AQUACULTURE 3 Way • Manual • PVC								
BLP3L4B - L - E BLP3L5B - L - E BLP3L6B - L - E BLP3L7B - L - E BLP3L8B - L - E BLP3L9B - L - E	15 20 25 32 40 50	1/2 3/4 1 1-1/4 1-1/2 2	MANUAL LEVER	Vacuum 10 BAR	Ambient Ambient	6-8 BAR 6-8 BAR Air Pressure	UPVC Body PTFE Seats O-rings EPDM (Std) FKM Optional Threaded, Solvent Weld	True Union St.St. Adaptor and Yoke. BSP or Solvent Weld. Manual Lever FKM Optional
3L = 'L' Port • 3T = 'T' Port • B = BSP • S = Solvent Weld • V = FKM								



AIR / FLUID / AQUACULTURE 3 Way • Double Acting • PVC

BLP3L4B - DA - E BLP3L5B - DA - E BLP3L6B - DA - E BLP3L7B - DA - E BLP3L8B - DA - E BLP3L9B - DA - E	15 20 25 32 40 50	1/2 3/4 1 1-1/4 1-1/2 2	DA50 DA50 DA50 DA50 DA63 DA63	Vacuum 10 BAR	Ambient Ambient	6-8 BAR 6-8 BAR Air Pressure	UPVC Body PTFE Seats O-rings EPDM FKM Optional Threaded, Solvent Weld	True Union St.St. Adaptor and Yoke. BSP or Solvent Weld. Double Acting Pneumatic Actuated FKM Optional
3L = 'L' Port • 3T = 'T' Port • B = BSP • S = Solvent Weld								



AIR / FLUID / AQUACULTURE 3 Way • Spring Return • PVC

BLP3L4B - SR - E BLP3L5B - SR - E BLP3L6B - SR - E BLP3L7B - SR - E BLP3L8B - SR - E BLP3L9B - SR - E	15 20 25 32 40 50	1/2 3/4 1 1-1/4 1-1/2 2	SR50 SR50 SR50 SR50 SR63 SR63	Vacuum 10 BAR	Ambient Ambient	6-8 BAR 6-8 BAR Air Pressure	UPVC Body PTFE Seats O-rings EPDM FKM Optional Threaded, Solvent Weld	True Union St.St. Adaptor and Yoke. BSP or Solvent Weld. Spring Return Pneumatic Actuated FKM Optional
3L = 'L' Port • 3T = 'T' Port • B = BSP • S = Solvent Weld								



AIR / FLUID / AQUACULTURE 3 Way • Electric On/Off • PVC

BLP3L4B - E* - E BLP3L5B - E* - E BLP3L6B - E* - E BLP3L7B - E* - E BLP3L8B - E* - E BLP3L9B - E* - E	15 20 25 32 40 50	1/2 3/4 1 1-1/4 1-1/2 2	OM-1 OM-1 OM-1 OM-1 OM-A OM-A	VACUUM 10 BAR	Ambient Ambient	E1=240VAC E2=110VAC E5=24VAC E7=12VDC E8=24VDC E11=415V	UPVC Body (std.) (Also PP & PVDF) PTFE Seats O-rings EPDM FKM Optional Threaded, Solvent Weld	True Union with Safety Block. Stainless Steel Adaptor and Yoke. Actuator - see Series 'OM' for details. BSP or Solvent Weld IP67 FKM Optional
• B = BSP • S = Solvent Weld • F = Flanged				Available in Viton				



VITON FKM Optional for all Ball Valve O-Rings (Replace 'E' for 'V' in code)

BFP PVC Butterfly Valve See Page 21
BCP PVC Check Valve See Page 35
YSP PVC Y Strainer See Page 37

BRASS 2pc
Nickle Plated

AIR / FLUID



Model	Orifice Ømm	Port Size BSP	Actuator	Media Pressure	Media Temperature	Material of Construction	Features
Lever • NP Brass						BVB	
BVB2B - L - T BVB3B - L - T BVB4B - L - T BVB5B - L - T BVB6B - L - T BVB7B - L - T BVB8B - L - T BVB9B - L - T	8 10 15 20 25 32 40 50	1/4 3/8 1/2 3/4 1 1-1/4 1-1/2 2	Lever Lever	16 BAR 16 BAR	-20°C 120°C	Body: 2 piece Brass. BSP Threaded. Seats: PTFE	Lever

AIR / FLUID



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

AIR / FLUID



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

BLACK 2pc
Forged Steel

AIR / STEAM



Model	Orifice Ømm	Port Size NPT	Actuator	Media Pressure	Media Temperature	Material of Construction	Features
Lever • Forged Steel • Class 800 • NPT						BVF	
BVF8 - 04 BVF8 - 05 BVF8 - 06 BVF8 - 07 BVF8 - 08 BVF8 - 09	15 20 25 32 40 50	1/2 3/4 1 1-1/4 1-1/2 2	Lever Lever	13.62Mpa @ -29 to 35 deg C	180 deg C @ (1.0Mpa)	Body: Forged Steel Seat: PTFE Gland: RPTE Coating: Black Steel	A105 Forged Steel ASTM B16.34 design ASME B1.20.1 ends API 598 test Class 800 NPT Thread

SS316

AIR / FLUID



Model	Orifice Ømm	Port Size BSP	Actuator	Media Pressure	Media Temperature	Material of Construction	Features			
Lever. Lockable. 2 Piece • SS316							BVS			
BVS2B - L - T	8	1/4	Lever	63 BAR	-20°C	Body: 2 piece 316 Stainless Steel. BSP Threaded. Seats: PTFE	Lockable Lever			
BVS3B - L - T	10	3/8					API 598 Test			
BVS4B - L - T	15	1/2								
BVS5B - L - T	20	3/4								
BVS6B - L - T	25	1								
BVS7B - L - T	32	1-1/4								
BVS8B - L - T	40	1-1/2								
BVS9B - L - T	50	2								
BVS10B - L - T	65	2-1/2								
BVS11B - L - T	80	3								
BVS12B - L - T	100	4					Lever	63 BAR	120°C	W TM Watermark WMK26528

AIR / FLUID / STEAM / PETROCHEMICAL • Dead Man Handles



ETROCHEMICAL • Dead Man Handles					DMH
Kit Model	Valve Sizes	BLS	BLSF	Material of Construction	Features
DMH - 04 DMH - 06 DMH - 08 DMH - 10 DMH - 11	1/2" 3/4" & 1" 1-1/4", 1-1/2" & 2" 2-1/2" 3"	✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓	SS316	Direct Mount Kit. Adjustable Spring Tension By Handle Nut.
Handles c/w Mounting Kit and Internal Spring		See next page (Page 14)			

SS316 3pc Threaded

Model	Orifice Ømm	Port Size BSP	Actuator	Media Pressure	Media Temperature	Actuator Air Pressure /Voltage	Material of Construction	Features
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AIR / FLUID / STEAM / PETROCHEMICAL

Lever • Lockable • SS316

BLS



BLS2B - L - RT	8	1/4	Lever	63 BAR	-20°C	☐ Shaft	Body: 3 pce 316 Stainless Steel BSP Threaded. Seats: Filled PTFE = RT	Direct Mount. High Pad Self Adjusting Stem Packing API 598 Test Lockable Lever Also available with Gear Box. See page 29  W TM Watermark WMK26529	
BLS3B - L - RT	10	3/8	Lever	W.O.G.	180°C	9mm			
BLS4B - L - RT	15	1/2				Vacuum			14mm
BLS5B - L - RT	20	3/4							
BLS6B - L - RT	25	1							
BLS7B - L - RT	32	1-1/4	Lever	10 BAR	17mm				
BLS8B - L - RT	40	1-1/2							
BLS9B - L - RT	50	2							
BLS10B - L - RT	63	2-1/2							
BLS11B - L - RT	80	3							
BLS12B - L - RT	100	4							
Optional: NPT Threaded • Butt Weld • Socket Weld Ends • Spring Close Lever • 50/50 Seats 200°C									'Dead Man' Handle Optional up to 3"

AIR / FLUID / STEAM / PETROCHEMICAL

Gear Box • SS316

BLS + GB



BLS4B - G - RT	15	1/2	GB1	63 BAR	-20°C	Gearbox	Body: 316 Stainless Steel	Compact Design API 598 Test Gear Box SS Trim Visual Indicator = RT  ™ Watermark WMK26529
BLS5B - G - RT	20	3/4	GB1	W.O.G.	180°C			
BLS6B - G - RT	25	1	GB1	Vacuum				
BLS7B - G - RT	32	1-1/4	GB1					
BLS8B - G - RT	32	1-1/2	GB1					
BLS9B - G - RT	40	2	GB1					
BLS10B - G - RT	50	2-1/2	GB2					
BLS11B - G - RT	65	3	GB2					
BLS12B - G - RT	75	4	GB2					
See Page 29 for Gear Box Specifications								

AIR / FLUID / STEAM / PETROCHEMICAL

Double Acting Pneumatic • SS316

BLSDA



BLS2B - DA - RT	8	1/4	DA50	63 BAR	-20°C	6-8 BAR	Body: 3 pce 316 Stainless Steel BSP Threaded. Seats: Filled PTFE = RT	Direct Mount. High Pad Self Adjusting Stem Packing API 598 Test Actuator- std. aluminium. Optional Stainless Steel W TM Watermark WMK26529	
BLS3B - DA - RT	10	3/8	DA50	W.O.G.	Vacuum				180°C
BLS4B - DA - RT	15	1/2	DA50						
BLS5B - DA - RT	20	3/4	DA50						
BLS6B - DA - RT	25	1	DA50						
BLS7B - DA - RT	32	1-1/4	DA63						
BLS8B - DA - RT	40	1-1/2	DA63	10 BAR Steam	180°C	6-8 BAR	Air Pressure	Optional De-Clutch Unit. See page 29	
BLS9B - DA - RT	50	2	DA75						
BLS10B - DA - RT	63	2-1/2	DA88						
BLS11B - DA - RT	80	3	DA100						
BLS12B - DA - RT	100	4	DA115						
Optional: NPT Threaded • Butt Weld • Socket Weld Ends • 50/50 Seats 200°C									

AIR / FLUID / STEAM / PETROCHEMICAL

Spring Return Pneumatic • SS316

BLSSR



BLS52B - SR - RT	8	1/4	SR50	63 BAR	-20°C	6-8 BAR	Body: 3 pce 316 Stainless Steel BSP Threaded. Seats: Filled PTFE = RT	Direct Mount. High Pad Self Adjusting Stem Packing API 598 Test Actuator- std. aluminium. Optional Stainless Steel  ™ Watermark WMK26529
BLS53B - SR - RT	10	3/8	SR50	W.O.G.				
BLS54B - SR - RT	15	1/2	SR50					
BLS55B - SR - RT	20	3/4	SR50					
BLS56B - SR - RT	25	1	SR63					
BLS57B - SR - RT	32	1-1/4	SR75	Vacuum				
BLS58B - SR - RT	40	1-1/2	SR75			6-8 BAR		
BLS59B - SR - RT	50	2	SR88					
BLS510B - SR - RT	63	2-1/2	SR100					
BLS511B - SR - RT	80	3	SR115	10 BAR				
BLS512B - SR - RT	100	4	SR125	Steam	180°C	Air Pressure		
Optional: NPT Threaded • Butt Weld • Socket Weld Ends • 50/50 Seats 200°C							Optional De-Clutch Unit. See page 29	

AIR / FLUID / STEAM / PETROCHEMICAL

Electric On/Off • SS316

BLSE



BLS2B - E* - RT	8	1/4	OM-1	63 BAR	-20°C	E1=240VAC E2=110VAC E5=24VAC E7=12VDC E8=24VDC E11=415VAC	Body: 3 pce 316 Stainless Steel BSP Threaded. Seats: Filled PTFE = RT	Direct Mount. High Pad Self Adjusting Stem Packing API 598 Test see Series 'OM' for Actuator details Page 27 Also available as Spring Close  ™ Watermark WMK26529
BLS3B - E* - RT	10	3/8	OM-1	W.O.G.				
BLS4B - E* - RT	15	1/2	OM-1					
BLS5B - E* - RT	20	3/4	OM-1					
BLS6B - E* - RT	25	1	OM-1					
BLS7B - E* - RT	32	1-1/4	OM-1					
BLS8B - E* - RT	40	1-1/2	OM-1	Vacuum				
BLS9B - E* - RT	50	2	OM-A					
BLS10B - E* - RT	63	2-1/2	OM-2					
BLS11B - E* - RT	80	3	OM-3	10 BAR				
BLS12B - E* - RT	100	4	OM-3	Steam	180°C			
Optional: NPT Threaded • Butt Weld • Socket Weld Ends • 50/50 Seats 200°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	Orifice Ømm	Port Size BSP	Actuator	Media Pressure	Media Temperature	Actuator Air Pressure /Voltage	Material of Construction	Features
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AIR / FLUID / STEAM / PETROCHEMICAL L Port or T Port. Lever. Lockable. • SS316

BLS3



BLS3L2B - L - RT	9.5	1/4	Lever	63 BAR W.O.G.	-20°C	9mm	Body: 316 Stainless Steel	Compact Design
BLS3L3B - L - RT	9.5	3/8						API 598 Test
BLS3L4B - L - RT	12	1/2				11mm		Lockable Lever
BLS3L5B - L - RT	15	3/4					Seats Filled PTFE = RT	Spring Close Lever Optional for Smaller Sizes
BLS3L6B - L - RT	20	1		Vacuum		14mm		 TM Watermark WMK26529
BLS3L7B - L - RT	25	1-1/4					3 Way L Port or T Port	
BLS3L8B - L - RT	32	1-1/2						
BLS3L9B - L - RT	40	2						
BLS3L10B - L - RT	50	2-1/2						
BLS3L11B - L - RT	65	3		10 BAR Steam	180°C	17mm		
BLS3L12B - L - RT	75	4	Lever					

3L = 'L' Port 3T = 'T' Port — For Flanged 3 Way Full Bore to 4" refer to page 16

☐ Shaft

AIR / FLUID / STEAM / PETROCHEMICAL L Port or T Port Gear Box • SS316

BLS3



BLS3L4B - G - RT	15	1/2	GB1	63 BAR W.O.G.	-20°C	Gearbox	Body: 316 Stainless Steel	Compact Design
BLS3L5B - G - RT	20	3/4	GB1					API 598 Test
BLS3L6B - G - RT	25	1	GB1				Seats Filled PTFE = RT	Gear Box SS Trim Visual Indicator
BLS3L7B - G - RT	32	1-1/4	GB1	Vacuum	180°C			 TM Watermark WMK26529
BLS3L8B - G - RT	32	1-1/2	GB1				3 Way	
BLS3L9B - G - RT	40	2	GB2				T Port or L Port	
BLS3L10B - G - RT	50	2-1/2	GB2					
BLS3L11B - G - RT	65	3	GB2	10 BAR Steam				
BLS3L12B - G - RT	75	4	GB2					

3L = 'L' Port 3T = 'T' Port — For Flanged 3 Way Full Bore to 4" refer to page 16 • See Page 29 for Gear Box Specifications

AIR / FLUID / STEAM / PETROCHEMICAL Double Acting Pneumatic • SS316

BLS3DA



BLS3L2B - DA - RT	8	1/4	DA50	63 BAR W.O.G.	-20°C	6-8 BAR	Body: 316 Stainless Steel	Compact Design
BLS3L3B - DA - RT	10	3/8	DA50					API 598 Test
BLS3L4B - DA - RT	12	1/2	DA50				Seats Filled PTFE = RT	Standard with aluminium actuator.
BLS3L5B - DA - RT	15	3/4	DA50					Optional Stainless Steel Actuator
BLS3L6B - DA - RT	20	1	DA50	Vacuum			3 Way 3L = L Port 3T = T Port	 TM Watermark WMK26529
BLS3L7B - DA - RT	25	1-1/4	DA63					
BLS3L8B - DA - RT	32	1-1/2	DA75					
BLS3L9B - DA - RT	43	2	DA75					
BLS3L10B - DA - RT	55	2-1/2	DA88					
BLS3L11B - DA - RT	66	3	DA100	10 BAR Steam	180°C	6-8 BAR Air Pressure		
BLS3L12B - DA - RT	75	4	DA115					

3L = 'L' Port 3T = 'T' Port — For Flanged 3 Way Full Bore to 4" refer to page 16

AIR / FLUID / STEAM / PETROCHEMICAL Spring Return Pneumatic • SS316

BLS3SR



BLS3L2B - SR - RT	8	1/4	SR50	63 BAR W.O.G.	-20°C	6-8 BAR	Body: 316 Stainless Steel	Compact Design
BLS3L3B - SR - RT	10	3/8	SR50					API 598 Test
BLS3L4B - SR - RT	12	1/2	SR50				Seats Filled PTFE = RT	Standard with aluminium actuator.
BLS3L5B - SR - RT	15	3/4	SR63					Optional Stainless Steel Actuator
BLS3L6B - SR - RT	20	1	SR63	Vacuum			3 Way 3L = L Port 3T = T Port	 TM Watermark WMK26529
BLS3L7B - SR - RT	25	1-1/4	SR75					
BLS3L8B - SR - RT	32	1-1/2	SR88					
BLS3L9B - SR - RT	43	2	SR100					
BLS3L10B - SR - RT	55	2-1/2	SR115					
BLS3L11B - SR - RT	66	3	SR125	10 BAR Steam	180°C	6-8 BAR Air Pressure		
BLS3L12B - SR - RT	75	4	SR145					

3L = 'L' Port 3T = 'T' Port — For Flanged 3 Way Full Bore to 4" refer to page 16

AIR / FLUID / STEAM / PETROCHEMICAL Electric On/Off • SS316

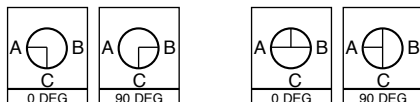
BLS3E



BLS3L2B - E* - RT	8	1/4	OM-1	63 BAR W.O.G.	-20°C	E1=240VAC E2=110VAC E5=24VAC E7=12VDC E8=24VDC E11=415VAC	Body: 316 Stainless Steel	API 598 Test
BLS3L3B - E* - RT	10	3/8	OM-1					Electric Actuator
BLS3L4B - E* - RT	12	1/2	OM-1				Seats Filled PTFE = RT	See Series 'OM' for actuator details
BLS3L5B - E* - RT	15	3/4	OM-1					Also available as Spring Close P27
BLS3L6B - E* - RT	20	1	OM-1	Vacuum			3 Way 3L = L Port 3T = T Port	 TM Watermark WMK26529
BLS3L7B - E* - RT	25	1-1/4	OM-1					
BLS3L8B - E* - RT	32	1-1/2	OM-A					
BLS3L9B - E* - RT	43	2	OM-2					
BLS3L10B - E* - RT	55	2-1/2	OM-2					
BLS3L11B - E* - RT	66	3	OM-3	10 BAR Steam	180°C			
BLS3L12B - E* - RT	75	4	OM-4					

3L = 'L' Port 3T = 'T' Port — For Flanged 3 Way Full Bore to 4" refer to page 16

'L' PORT CONFIGURATION 'T' PORT CONFIGURATION



REFER TO PAGE 9 & 10 FOR SUITABLE SOLENOID CONTROL VALVE

SS316 3 way Flanged

Model	Orifice Ømm	Flanged ANSI 150	Actuator	Media Pressure AM6	Media Temperature	Actuator Air Pressure /Voltage	Material of Construction	Features
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AIR / FLUID / STEAM / PETROCHEMICAL

Lever. Lockable • SS316

BLS3FA



BLS3L4FA - L - RT	15	ANSI 150 RF	LEVER	20 BAR W.O.G.	-20°C	9mm	Body: 316 Stainless Steel	ISO Pad Mounting							
BLS3L5FA - L - RT	20			Vacuum		180°C			11mm	Seats: Filled PTFE = RT	API 598 Test				
BLS3L6FA - L - RT	25								10 BAR STEAM			14mm	3 Way 3L = L Port 3T = T Port	Lockable	
BLS3L7FA - L - RT	32											17mm			Optional 4 Way
BLS3L8FA - L - RT	40														
BLS3L9FA - L - RT	50														
BLS3L10FA - L - RT	65														
BLS3L11FA - L - RT	80											□ Shaft			
BLS3L12FA - L - RT	100														
3L = L Port 3T = T Port • Optional ANSI 300 • WCB (Cast Steel) Optional • Spring Close, Handle 1/2" ~ 1 1/2"															

AIR / FLUID / STEAM / PETROCHEMICAL

Gear Box • L/T Port • SS316

BLS3FA



BLS3L4FA - G - RT	15	ANSI 150 RF	GB1	20 BAR W.O.G.	-20°C	Gearbox	Body: 316 Stainless Steel	ISO Pad Mounting	
BLS3L5FA - G - RT	20		GB1	VACUUM	180°C		Seats: Filled PTFE = RT	API 598 Test	
BLS3L6FA - G - RT	25		GB1						
BLS3L7FA - G - RT	32		GB1						
BLS3L8FA - G - RT	40		GB1						
BLS3L9FA - G - RT	50		GB2						
BLS3L10FA - G - RT	65		GB2						
BLS3L11FA - G - RT	80		GB2						
BLS3L12FA - G - RT	100		GB3						10 BAR STEAM
3L = L Port 3T = T Port • Optional ANSI 300 • WCB (Cast Steel) Optional • See Page 29 for Gear Box Specifications									Visual Indicator
								Optional 4 Way	

AIR / FLUID / STEAM / PETROCHEMICAL

Double Acting Pneumatic • SS316

BLS3FADA



BLS3L4FA - DA - RT	15	ANSI 150 RF	DA50	20 BAR W.O.G.	-20°C	6-8 BAR	Body: 316 Stainless Steel Seats: Filled PTFE = RT 3 Way 3L = L Port 3T = T Port	ISO Pad Mounting
BLS3L5FA - DA - RT	20		DA63	Vacuum	180°C	6-8 BAR Air Pressure		Full Flow
BLS3L6FA - DA - RT	25		DA63					API 598 Test
BLS3L7FA - DA - RT	32		DA75					Standard with aluminium actuator, Optional Stainless Steel Actuator
BLS3L8FA - DA - RT	40		DA88					
BLS3L9FA - DA - RT	50		DA100					
BLS3L10FA - DA - RT	65		DA115					
BLS3L11FA - DA - RT	80		DA125					
BLS3L12FA - DA - RT	100		DA145					
3L = L Port 3T = T Port • Optional ANSI 300 • WCB (Cast Steel) Optional								

AIR / FLUID / STEAM / PETROCHEMICAL

Spring Return Pneumatic • SS316

BLS3FASR



BLS3L4FA - SR - RT	15	ANSI 150 RF	SR63	20 BAR	-20°C	6-8 BAR	Body: 316 Stainless Steel Seats: Filled PTFE = RT 3 Way 3L = L Port 3T = T Port	ISO Pad Mounting	
BLS3L5FA - SR - RT	20		SR75	W.O.G.	Vacuum	180°C		6-8 BAR Air Pressure	Full Flow
BLS3L6FA - SR - RT	25		SR75	10 BAR STEAM					
BLS3L7FA - SR - RT	32		SR88						
BLS3L8FA - SR - RT	40		SR100						
BLS3L9FA - SR - RT	50		SR115						
BLS3L10FA - SR - RT	65		SR125						
BLS3L11FA - SR - RT	80		SR145						
BLS3L12FA - SR - RT	100		SR160						
3L = L Port 3T = T Port • Optional ANSI 300 • WCB (Cast Steel) Optional									

AIR / FLUID / STEAM / PETROCHEMICAL

Electric On/Off • SS316

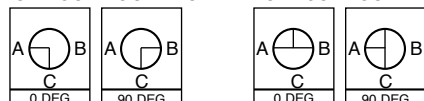
BLS3FAE



BLS3L4FA - E* - RT	15	ANSI 150 RF	OM-1	20 BAR	-20°C	E1=240VAC E2=110VAC E5=24VAC E7=12VDC E8=24VDC E11=415VAC IP67	Body: 316 Stainless Steel Seats: Filled PTFE = RT 3 Way 3L = L Port 3T = T Port	Electric Actuator	
BLS3L5FA - E* - RT	20		OM-1	W.O.G.					API 598 Test
BLS3L6FA - E* - RT	25		OM-1						
BLS3L7FA - E* - RT	32		OM-A						
BLS3L8FA - E* - RT	40		OM-2	Vacuum					See Series 'OM' for actuator details P26
BLS3L9FA - E* - RT	50		OM-2						
BLS3L10FA - E* - RT	65		OM-3						
BLS3L11FA - E* - RT	80		OM-4	10 BAR					Also Available as Spring Close P27
BLS3L12FA - E* - RT	100		OM-4	STEAM	180°C			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 = 415AC

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



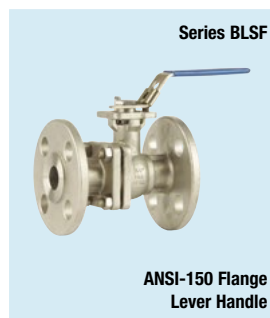
ANSI-150 Optional ANSI-300	Orifice Ømm	Flanged ANSI 150	Actuator	Media Pressure	Media Temperature	Actuator Air Pressure /Voltage	Material of Construction	Features
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AIR / FLUID / STEAM / PETROCHEMICAL

Lever. Lockable • SS316

ANSI 150 • ANSI 300

BLSF



BLSF4FA - L - RT	15	ANSI 150 RF	LEVER	20 BAR W.O.G.	-20°C	9mm	Body: 2 piece 316 Stainless Steel ANSI 150 RF Seats: Filled PTFE	Direct Mount. High Pad Self Adjusting Stem Packing Lockable Lever API 607 6th Edition API 598 Test DMH (Spring Close Lever) optional to 80mm
BLSF5FA - L - RT	20							
BLSF6FA - L - RT	25					11mm		
BLSF7FA - L - RT	32							
BLSF8FA - L - RT	40					14mm		
BLSF9FA - L - RT	50							
BLSF10FA - L - RT	65					17mm		
BLSF11FA - L - RT	80							
BLSF12FA - L - RT	100					22mm		
BLSF13FA - L - RT	125					27mm		
BLSF14FA - L - RT	150	ANSI 150 RF	LEVER	10 BAR Steam	180°C		☐ Shaft	
BLSF15FA - L - RT	200							
Optional ANSI 300 Code contact factory • Spring Close Lever Optional on Smaller Sizes • Spring Close Handle 1/2" ~ 1 1/2"								

AIR / FLUID / STEAM / PETROCHEMICAL

Gear Box • SS316

ANSI 150 • ANSI 300

BLSF



BLSF4FA - G - RT	15	ANSI 150 RF	GB1	20 BAR	-20°C	Gearbox	Body: 2 piece 316 Stainless Steel ANSI 150 RF Seats: Filled PTFE	Direct Mount. High Pad Self Adjusting Stem Packing API 607 6th Edition API 598 Test
BLSF5FA - G - RT	20		GB1	W.O.G.				
BLSF6FA - G - RT	25		GB1					
BLSF7FA - G - RT	32		GB1					
BLSF8FA - G - RT	40		GB1					
BLSF9FA - G - RT	50		GB1					
BLSF10FA - G - RT	65		GB2	Vacuum				
BLSF11FA - G - RT	80		GB2					
BLSF12FA - G - RT	100		GB2					
BLSF13FA - G - RT	125		GB3					
BLSF14FA - G - RT	150	GB3	10 BAR					
BLSF15FA - G - RT	200	GB4	Steam	180°C				
Optional ANSI 300 Code contact factory • See Page 29 for Gear Box Specifications								

AIR / FLUID / STEAM / PETROCHEMICAL

Double Acting Pneumatic • SS316

ANSI 150 • ANSI 300

BLSFDA



BLSF4FA - DA - RT	15	ANSI 150 RF	DA50	20 BAR	-20°C	6-8 BAR	Body: 2 piece 316 Stainless Steel ANSI 150 RF Seats: Filled PTFE Optional: Limit Switch. De-Clutch Gear Box	Direct Mount. High Pad Self Adjusting Stem Packing API 607 6th Edition API 598 Test Actuator- std. aluminium Optional Stainless Steel
BLSF5FA - DA - RT	20		DA50	W.O.G.				
BLSF6FA - DA - RT	25		DA50					
BLSF7FA - DA - RT	32		DA63					
BLSF8FA - DA - RT	40		DA63					
BLSF9FA - DA - RT	50		DA75					
BLSF10FA - DA - RT	63		DA88	Vacuum				
BLSF11FA - DA - RT	80		DA100					
BLSF12FA - DA - RT	100		DA115					
BLSF13FA - DA - RT	125		DA125					
BLSF14FA - DA - RT	150	DA145	10 BAR					
BLSF15FA - DA - RT	200	DA160	Steam	180°C	6-8 BAR	Air Pressure		
Optional ANSI 300 Code contact factory								

AIR / FLUID / STEAM / PETROCHEMICAL

Spring Return Pneumatic • SS316

ANSI 150 • ANSI 300

BLSFSR



BLSF54FA - SR - RT	15	ANSI 150 RF	SR50	20 BAR	-20°C	6-8 BAR	Body: 2 piece 316 Stainless Steel ANSI 150 RF Seats: Filled PTFE Optional: Limit Switch. De-Clutch Gear Box	Direct Mount. High Pad Self Adjusting Stem Packing API 607 6th Edition API 598 Test Actuator- std. aluminium Optional Stainless Steel
BLSF55FA - SR - RT	20		SR63	W.O.G.				
BLSF56FA - SR - RT	25		SR63					
BLSF57FA - SR - RT	32		SR75					
BLSF58FA - SR - RT	40		SR75					
BLSF59FA - SR - RT	50		SR88					
BLSF510FA - SR - RT	63		SR100	Vacuum				
BLSF511FA - SR - RT	80		SR115					
BLSF512FA - SR - RT	100		SR125					
BLSF513FA - SR - RT	125		SR145					
BLSF514FA - SR - RT	150	SR180	10 BAR					
BLSF515FA - SR - RT	200	SR200	Steam	180°C	6-8 BAR			
For normally open function change 5th digit to 6 – Optional ANSI 300 Code contact factory							Air Pressure	

AIR / FLUID / STEAM / PETROCHEMICAL

Electric On/Off • SS316

ANSI 150 • ANSI 300

BLSFE



BLSF4FA - E* - RT	15	ANSI 150 RF	OM-1	20 BAR W.O.G.	-20°C	E1=240VAC E2=110VAC E5=24VAC E7=12VDC E8=24VDC E11=415VAC	Body: 2 piece 316 Stainless Steel ANSI 150 RF Seats: Filled PTFE	Direct Mount. High Pad Self Adjusting Stem Packing API 607 6th Edition API 598 Test see Series 'OM' for Actuator details P27 Also available as Spring Close with Exd IECE P27
BLSF5FA - E* - RT	20		OM-1					
BLSF6FA - E* - RT	25		OM-1					
BLSF7FA - E* - RT	32		OM-1					
BLSF8FA - E* - RT	40		OM-1					
BLSF9FA - E* - RT	50		OM-A					
BLSF10FA - E* - RT	63		OM-2	VACUUM				
BLSF11FA - E* - RT	80		OM-3					
BLSF12FA - E* - RT	100		OM-3					
BLSF13FA - E* - RT	125		OM-4					
BLSF14FA - E* - RT	150	ANSI 150 RF	OM-5	10 BAR STEAM	180°C	IP67		
BLSF15FA - E* - RT	200		OM-6					
Optional ANSI 300 Code contact factory								

Fire Safe ANSI 300, 600, 900.

– 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 (FKM), S = Silicone, T = PTFE, E = EPDM, N = NBR Nitrile,
 NC = Normally closed, NO = Normally open



ANSI-150 Optional ANSI-300	Orifice Ømm	ANSI 150 RF	Actuator	Media Pressure	Media Temperature	Actuator Air Pressure /Voltage	Material of Construction	Features
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AIR / FLUID / STEAM / PETROCHEMICAL
Lever. Lockable • Cast Steel ANSI 150
BLCF


BLCF4FA - L - RT	15	ANSI 150 RF	LEVER	20 BAR W.O.G.	-20°C	9mm	Body: 2 piece Carbon Steel ANSI 150 RF Seats: Filled PTFE	Direct Mount. High Pad Self Adjusting Stem Packing API 607 6th Edition API 598 Test Lockable Lever
BLCF5FA - L - RT	20					11mm		
BLCF6FA - L - RT	25					14mm		
BLCF7FA - L - RT	32					17mm		
BLCF8FA - L - RT	40							
BLCF9FA - L - RT	50							
BLCF10FA - L - RT	65							
BLCF11FA - L - RT	80							
BLCF12FA - L - RT	100							
BLCF13FA - L - RT	125							
BLCF14FA - L - RT	150							
BLCF15FA - L - RT	200		LEVER	10 BAR Steam	180°C	22mm		
						27mm		
Optional ANSI 300 Code contact factory • Spring Close Lever Optional on Smaller Sizes • Spring Handle 1" ~ 2"						☐ Shaft		

AIR / FLUID / STEAM / PETROCHEMICAL
Gear Box • Cast Steel ANSI 150
BLCF


BLCF4FA - G - RT	15	ANSI 150 RF	GB1	20 BAR W.O.G.	-20°C	Gearbox	Body: 2 piece Carbon Steel ANSI 150 RF Seats: Filled PTFE	Direct Mount. High Pad Self Adjusting Stem Packing API 607 6th Edition API 598 Test
BLCF5FA - G - RT	20		GB1					
BLCF6FA - G - RT	25		GB1					
BLCF7FA - G - RT	32		GB1					
BLCF8FA - G - RT	40		GB1					
BLCF9FA - G - RT	50		GB1					
BLCF10FA - G - RT	65		GB2	Vacuum				
BLCF11FA - G - RT	80		GB2					
BLCF12FA - G - RT	100		GB2					
BLCF13FA - G - RT	125		GB3					
BLCF14FA - G - RT	150	GB3	10 BAR Steam					
BLCF15FA - G - RT	200		GB4		180°C			
Optional ANSI 300 Code contact factory • See Page 29 for Gear Box Specifications								

AIR / FLUID / STEAM / PETROCHEMICAL
Double Acting Pneumatic • Cast Steel ANSI 150
BLCFDA


BLCF4FA - DA - RT	15	ANSI 150 RF	DA50	20 BAR	-20°C	6-8 BAR	Body: 2 piece Carbon Steel ANSI 150 RF Seats: Filled PTFE Optional: Limit Switch. De-Clutch Gear Box	Direct Mount. High Pad Self Adjusting Stem Packing API 607 6th Edition API 598 Test Actuator- std. aluminium Optional Stainless Steel
BLCF5FA - DA - RT	20		DA50	W.O.G.				
BLCF6FA - DA - RT	25		DA50					
BLCF7FA - DA - RT	32		DA63					
BLCF8FA - DA - RT	40		DA63					
BLCF9FA - DA - RT	50		DA75					
BLCF10FA - DA - RT	63		DA88	Vacuum				
BLCF11FA - DA - RT	80		DA100					
BLCF12FA - DA - RT	100		DA115					
BLCF13FA - DA - RT	125		DA125					
BLCF14FA - DA - RT	150	DA145	10 BAR					
BLCF15FA - DA - RT	200	DA160	Steam	180°C	6-8 BAR	Air Pressure		
Optional ANSI 300 Code contact factory								

AIR / FLUID / STEAM / PETROCHEMICAL
Spring Return Pneumatic • Cast Steel ANSI 150
BLCFSR


BLCF54FA - SR - RT	15	ANSI 150 RF	SR50	20 BAR W.O.G.	-20°C	6-8 BAR	Body: 2 piece Carbon Steel ANSI 150 RF Seats: Filled PTFE Optional: Limit Switch. De-Clutch Gear Box	Direct Mount. High Pad Self Adjusting Stem Packing API 607 6th Edition API 598 Test Actuator- std. aluminium Optional Stainless Steel
BLCF55FA - SR - RT	20		SR63					
BLCF56FA - SR - RT	25		SR63					
BLCF57FA - SR - RT	32		SR75					
BLCF58FA - SR - RT	40		SR75					
BLCF59FA - SR - RT	50		SR88					
BLCF510FA - SR - RT	63		SR100	Vacuum				
BLCF511FA - SR - RT	80		SR115					
BLCF512FA - SR - RT	100		SR125					
BLCF513FA - SR - RT	125		SR145					
BLCF514FA - SR - RT	150	SR180	10 BAR Steam					
BLCF515FA - SR - RT	200	SR200			180°C	6-8 BAR		
For normally open function change 5th digit to 6 – Optional ANSI 300 Code contact factory						Air Pressure		

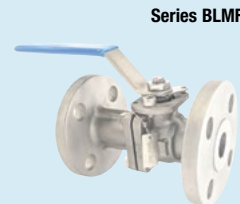
AIR / FLUID / STEAM / PETROCHEMICAL
Electric On/Off • Cast Steel ANSI 150
BLCFE


BLCF4FA - E* - RT	15	ANSI 150 RF	OM-1	20 BAR W.O.G.	-20°C	E1=240VAC E2=110VAC E5=24VAC E7=12VDC E8=24VDC E11=415VAC	Body: 2 piece Carbon Steel ANSI 150 RF Seats: Filled PTFE IP67	Direct Mount. High Pad Self Adjusting Stem Packing API 607 6th Edition API 598 Test see Series 'OM' for Actuator details P27 Also available as Spring Close P27
BLCF5FA - E* - RT	20		OM-1					
BLCF6FA - E* - RT	25		OM-1					
BLCF7FA - E* - RT	32		OM-1					
BLCF8FA - E* - RT	40		OM-1					
BLCF9FA - E* - RT	50		OM-A					
BLCF10FA - E* - RT	63		OM-2	VACUUM				
BLCF11FA - E* - RT	80		OM-3					
BLCF12FA - E* - RT	100		OM-3					
BLCF13FA - E* - RT	125		OM-4					
BLCF14FA - E* - RT	150	OM-5	10 BAR STEAM		180°C			
BLCF15FA - E* - RT	200	OM-6						
Optional ANSI 300 Code contact factory								

Non Fire Safe ANSI 600, 900.

Metal Seat

Model	Orifice Ømm	Connection	Actuator	Media Pressure	Media Temperature	Material of Construction	Features
HIGH TEMPERATURE / HIGH PRESSURE Lever • Lockable • SS316 • 2000 PSI • Uni-Directional							BLM
 Series BLM BLM2B - L - M BLM3B - L - M BLM4B - L - M BLM5B - L - M BLM6B - L - M BLM7B - L - M BLM8B - L - M BLM9B - L - M	8 10 15 20 25 32 40 50	1/4 3/8 1/2 3/4 1 1-1/4 1-1/2 2	Lever — Actuation Optional — Lever	125 BAR	13.62Mpa @ -29 to 35 °C Max. Temp. 454°C (See Data Sheet)	Body: 3 pce 316 Stainless Steel BSP Threaded. Seats: Metal Uni-Directional Flow	Direct Mount. Metal Seat. Design: ANSI B16.34 Test: ANSI / FC1 70-2 Class V For Actuators consider Extension Brackets for heat transfer (See Factory)

HIGH TEMPERATURE / HIGH PRESSURE Lever • Lockable • SS316 • ANSI 300 • Uni-Directional							BLMFA
 Series BLMFA BLM4F3 - L - M BLM5F3 - L - M BLM6F3 - L - M BLM7F3 - L - M BLM8F3 - L - M BLM9F3 - L - M BLM10F3 - L - M BLM11F3 - L - M BLM12F3 - L - M	15 20 25 32 40 50 65 80 100	ANSI 300 RF	Lever — Actuation Optional — Lever	40 BAR	4Mpa @ -29 to 35 °C Max. Temp. 454°C (See Data Sheet)	Body: 2 piece Carbon Steel ANSI 300 RF Seats: Metal Uni-Directional Flow	Direct Mount. Metal Seat. Design: ANSI B16.10 Flange: ANSI 300 Test: API 598 ANSI / FC1 70-2 Class V For Actuators consider Extension Brackets for heat transfer (See Factory)

Fire Safe

Model	Orifice Ømm	Connection	Actuator	Media Pressure	Media Temperature	Material of Construction	Features
HIGH PRESSURE / HIGH TEMPERATURE / FIRE SAFE • LEVER • LOCKABLE • 2000 PSI							BLF (BSP)
 Series BLF BLF4B - L - T BLF5B - L - T BLF6B - L - T BLF7B - L - T BLF8B - L - T BLF9B - L - T BLF10B - L - T BLF11B - L - T BLF12B - L - T	15 20 25 32 40 50 65 80 100	BSP	Lever — Actuation Optional — Lever	Vacuum — 125 BAR	-20°C — 180°C	Body: 3 piece 316 Stainless Steel. Investment Cast. Seat: PTFE	Direct Mount. ISO 5211 Length DIN 3202-M3 Fire Safe API607 Approval # 249036

HIGH PRESSURE / HIGH TEMPERATURE / FIRE SAFE • LEVER • LOCKABLE • 2000 PSI							BLF (NPT)
 Series BLFN BLF4N - L - T BLF5N - L - T BLF6N - L - T BLF7N - L - T BLF8N - L - T BLF9N - L - T BLF10N - L - T BLF11N - L - T BLF12N - L - T	15 20 25 32 40 50 65 80 100	NPT	Lever — Actuation Optional — Lever	Vacuum — 125 BAR	-20°C — 180°C	Body: 3 piece 316 Stainless Steel. Investment Cast. Seat: PTFE	Direct Mount. ISO 5211 Length DIN 3202-M3 Fire Safe API607 Approval # 249036

HIGH PRESSURE / HIGH TEMPERATURE / FIRE SAFE • LEVER • LOCKABLE • 2000 PSI							BLFS (Socket)
 Series BLFS BLF4S - L - T BLF5S - L - T BLF6S - L - T BLF7S - L - T BLF8S - L - T BLF9S - L - T BLF10S - L - T BLF11S - L - T BLF12S - L - T	15 20 25 32 40 50 65 80 100	SOCKET	Lever — Actuation Optional — Lever	Vacuum — 125 BAR	-20°C — 180°C	Body: 3 piece 316 Stainless Steel. Investment Cast. Seat: PTFE	Direct Mount. ISO 5211 Length DIN 3202-M3 Fire Safe API607 Approval # 249036

High Pressure

AIR / WATER



Model	Orifice Ømm	Port Size BSP	Actuator	Media Pressure @30°C	Media Temperature	Actuator Air Pressure /Voltage	Material of Construction	Features
Lever. Lockable								BLSHP
BLSHP2B - L - D	8	1/4	LEVER	3,000 PSI 200 BAR	40°C @ 200 BAR	Lever Lockable	Body: 316 Stainless Steel	Highflow
BLSHP3B - L - D	10	3/8					Ball: Stainless Steel	High pressure
BLSHP4B - L - D	15	1/2					Lockable Lever	
BLSHP5B - L - D	20	3/4						
BLSHP6B - L - D	25	1						
BLSHP8B - L - D	40	1-1/2	LEVER				Seat: Delrin	
BLSHP9B - L - D	50	2					Optional: PEEK	
ALSO AVAILABLE - 3 WAY FULL BORE L/T • MANUAL OR ACTUATED • Optional Fire Safe Approval								

AIR / WATER



Double Acting Pneumatic								BLSDA
BLSHP2B - DA - D	8	1/4	DA50	3,000 PSI 200 BAR	40°C @ 200 BAR	6-8 BAR	Body: 316 Stainless Steel Ball: Stainless Steel Seat: Delrin Optional: PEEK	Highflow High pressure Actuator std. aluminium
BLSHP3B - DA - D	10	3/8	DA50					
BLSHP4B - DA - D	12	1/2	DA50					
BLSHP5B - DA - D	17	3/4	DA63					
BLSHP6B - DA - D	22	1	DA63			6-8 BAR		
BLSHP8B - DA - D	35	1-1/2	DA88					
BLSHP9B - DA - D	35	2	DA88					
ALSO AVAILABLE - 1/4 & 3/8 VALVES NPT TO 10,000 PSI AND 3-WAY VALVES TO 1" • Optional Fire Safe Approval								

AIR / WATER



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

AIR / WATER



Electric On/Off								BLSHE
BLSHP2B - E* - D	8	1/4	OM-1	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 Optional: PEEK	Highflow High pressure see Series 'OM' for Actuator details Page 27
BLSHP3B - E* - D	10	3/8	OM-1					
BLSHP4B - E* - D	12	1/2	OM-1					
BLSHP5B - E* - D	17	3/4	OM-1					
BLSHP6B - E* - D	22	1	OM-1					
BLSHP8B - E* - D	35	1-1/2	OM-A					
BLSHP9B - E* - D	35	2	OM-A					
ALSO AVAILABLE - 1/4 & 3/8 VALVES NPT TO 10,000 PSI AND 3-WAY VALVES TO 1" • Optional Fire Safe Approval								

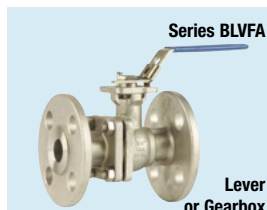
SS316 3pc V Port

AIR / FLUID / STEAM / PETROCHEMICAL



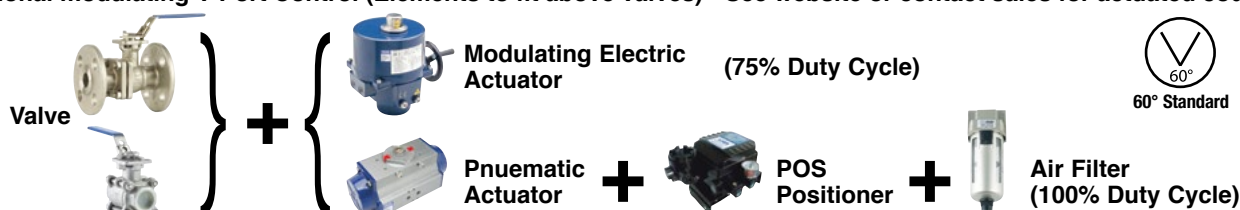
Model	Port Size BSP	Actuator		Modulating Controller 4-20mA 1-10VDC	Media Pressure	Media Temperature	Actuator Air Pressure /Voltage	Material of Construction	Features
		Lever	Gear Box						
BLV5B - L - T60	3/4	L			63 BAR W.O.G.	-20°C	See below for options	Body: 3 piece 316 Stainless Steel. BSP Threaded. Filled	Direct Mount. High Pad Self Adjusting Stem Packing
BLV6B - L - T60	1	L			Vacuum				
BLV8B - L - T60	1-1/2	L	GB1		10 BAR	180°C			
BLV9B - L - T60	2	L	GB1		Steam using R.T. Seat				
BLV11B - L - T60	3	L	GB2					Optional: Butt weld Socket weld NPT	Lockable Lever
BLV12B - L - T60	4	L	GB2						
Change 'L' to 'G' for Gear box • Optional 50/50 SS Seats HT 3/4" ~ 4"							200°C		Optional: Gearbox

AIR / FLUID / STEAM / PETROCHEMICAL



ETROCHEMICAL										• Lever. Lockable. 3 Piece • V Port 60°		BLVF	
BLV5FA - L - T60	20	ANSI 150 RF	L			63 BAR	-20°C 						

• Optional modulating V Port Control (Elements to fit above valves) • See website or contact sales for actuated codes.



**BAS
Auto Return IP67**

Series BAS



SS316 2 Way
Electric - Auto Return

Model	Orifice Ømm	Port Size BSP	Actuator	Media Pressure @30°C	Media Temperature	Open/Close Time	Material of Construction	Features
2 Way Auto Return Ball Valve • 12~24v AC/DC								
BASM54B - EL - T BASM55B - EL - T BASM56B - EL - T	15 20 20	1/2 3/4 1	N.C. N.C.	10 BAR	2°C	5 Sec	Ball: SS316 Body: SS304 Seals: FKM Seats: PTFE Actuator: PPO	Works like a Solenoid Valve - take the power off and it returns Very low power consumption 5 Sec operation
BASM64B - EL - T BASM65B - EL - T BASM66B - EL - T	15 20 20	1/2 3/4 1	N.O. N.O.	10 BAR	90°C	5 Sec	Ball: CPVC Body: CPVC Seals: FKM Seats: PTFE	Min 30 Sec power on to charge capacitor. 30% Duty Cycle
BAPM54B - EL - T	15	1/2	N.C.	10 BAR	90°C	5 Sec		
C/W Manual Override								

BASM

BASM3

Series BAS



SS316 3 Way
Electric - Auto Return

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

PVC

AIR / FLUID / AQUACULTURE Manual Handle • PVC

Series BFP



Lever
PVC Body

Model	Nominal Bore Ømm	Semi Lug Universal Flange	Actuator	Media Pressure	Media Temperature	Actuator Air Pressure /Voltage	Material of Construction	Features
BFP								
BFP50 - L - E BFP65 - L - E BFP80 - L - E BFP100 - L - E BFP125 - L - E BFP150 - L - E BFP200 - L - E	50 65 80 100 125 150 200	Slotted Flange	Manual Lever	0 10 BAR	Ambient Ambient		UPVC Body EPDM Seat Optional Viton (FKM)	UPVC Body Universal Flange Semi Lugged Manual Lever. Optional Gearbox.
Optional to 600mm Diameter								

AIR / FLUID / AQUACULTURE Double Acting Pneumatic • PVC

Series BFP



Double Acting
PVC Body

BFP50 - DA - E BFP65 - DA - E BFP80 - DA - E BFP100 - DA - E BFP125 - DA - E BFP150 - DA - E BFP200 - DA - E	50 65 80 100 125 150 200	Slotted Flange	DA50 DA50 DA63 DA63 DA75 DA88 DA100	0 10 BAR	Ambient Ambient	6-8 BAR 6-8 BAR Air Pressure	UPVC Body EPDM Seat Optional Viton (FKM)	UPVC Body Universal Flange Semi Lugged Double Acting Pneumatic Actuator
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AIR / FLUID / AQUACULTURE Spring Return Pneumatic • PVC

Series BFP



Single Acting
PVC Body

BFP550 - SR - E BFP565 - SR - E BFP580 - SR - E BFP5100 - SR - E BFP5125 - SR - E BFP5150 - SR - E BFP5200 - SR - E	50 65 80 100 125 150 200	Slotted Flange	SR63 SR63 SR75 SR75 SR88 SR100 SR115	0 10 BAR	Ambient Ambient	6-8 BAR 6-8 BAR Air Pressure	UPVC Body EPDM Seat Optional Viton (FKM)	UPVC Body Universal Flange Semi Lugged Spring Return Pneumatic Actuator
For normally open function change 4th digit to 6								

AIR / FLUID / AQUACULTURE Electric On/Off • PVC

Series BFP



Electric
Actuated
PVC Body

BFP50 - E* - E BFP65 - E* - E BFP80 - E* - E BFP100 - E* - E BFP125 - E* - E BFP150 - E* - E BFP200 - E* - E	50 65 80 100 125 150 200	Slotted Flange	OM-1 OM-1 OM-1 OM-A OM-A OM-2 OM-2	0 10 BAR	Ambient Ambient	E1=240VAC E2=110VAC E5=24VAC E7=12VDC E8=24VDC E11=415V IP67	UPVC Body EPDM Seat Optional Viton (FKM)	UPVC Body Universal Flange Semi Lugged Electric On/Off Actuator
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BLP 2 Way PVC Ball Valves See Page 11
BLP3 3 Way PVC Ball Valves See Page 12
BCP PVC Ball Check Valves See Page 35
YSP PVC Y Strainer See Page 37

Series BFD Wafer

AIR / WATER / VACUUM



Model	Nominal Bore Ømm	Actuator	Media Pressure	Media Temperature	Actuator Voltage/Air Pressure	Material of Construction	Features
Lever and Gear Operated • Ductile Iron • Wafer Connection							BFD
BFD50 - L - E BFD65 - L - E BFD80 - L - E BFD100 - L - E BFD125 - L - E BFD150 - L - E BFD200 - L - E BFD250 - L - E BFD300 - L - E BFD350 - G - E BFD400 - G - E BFD450 - G - E BFD500 - G - E BFD600 - G - E	50 65 80 100 125 150 200 250 300 350 400 450 500 600	LEVER GEARBOX	GB1 GB1 GB1 GB1 GB2 GB2 GB2 GB2 GB3 GB4 GB4 GB4 GB4 GB5	16 BAR 10 BAR	-20°C 40°C	UNIVERSAL WAFER SUITABLE MOST FLANGE TABLES	- Ductile Iron - 316 S/S disc - EPDM liner (E) Optional: Viton (V) NBR (N) Direct Pad Mount. Operator: • Lever • Gear Box IP67 SMK26314 WMK26314 WSSA
Substitute 'G' for Gear Box option				For Non Potable Water - EPDM 90°C			

AIR / WATER / VACUUM



Double Acting Pneumatic • Ductile Iron • Wafer Connection							BFDDA
BFD50 - DA - E BFD65 - DA - E BFD80 - DA - E BFD100 - DA - E BFD125 - DA - E BFD150 - DA - E BFD200 - DA - E BFD250 - DA - E BFD300 - DA - E BFD350 - DA - E BFD400 - DA - E BFD450 - DA - E BFD500 - DA - E BFD600 - DA - E	50 65 80 100 125 150 200 250 300 350 400 450 500 600	DA50 DA50 DA63 DA75 DA88 DA100 DA115 DA125 DA145 DA180 DA200 DA200 DA240 DA270	16 BAR 10 BAR	-20°C 40°C	6-8 BAR 6-8 BAR	- Ductile Iron - 316 S/S disc - EPDM liner (E) - Optional Viton (V) NBR (N) Replacable liner	Double acting Pneumatic actuator. Direct pad mount. Optional: S/S Actuator SMK26314 WMK26314 WSSA
				For Non Potable Water - EPDM 90°C			

AIR / WATER / VACUUM



Spring Return Pneumatic • Ductile Iron • Wafer Connection							BFDSR
BFD550 - SR - E BFD565 - SR - E BFD580 - SR - E BFD5100 - SR - E BFD5125 - SR - E BFD5150 - SR - E BFD5200 - SR - E BFD5250 - SR - E BFD5300 - SR - E BFD5350 - SR - E BFD5400 - SR - E BFD5450 - SR - E BFD5500 - SR - E BFD5600 - SR - E	50 65 80 100 125 150 200 250 300 350 400 450 500 600	SR63 SR63 SR75 SR88 SR100 SR115 SR125 SR145 SR180 SR200 SR240 SR270 SR380	16 BAR 10 BAR	-20°C 40°C	6-8 BAR 6-8 BAR	- Ductile Iron - 316 S/S disc - EPDM liner (E) - Optional Viton (V) NBR (N) Replacable liner	Spring Return Pneumatic actuator. Direct pad mount. SMK26314 WMK26314 WSSA
For normally open function change 4th digit to 6				For Non Potable Water - EPDM 90°C			

AIR / WATER / VACUUM



Electric On/Off • Ductile Iron • Wafer Connection							BFDE
BFD50 - E* - E BFD65 - E* - E BFD80 - E* - E BFD100 - E* - E BFD125 - E* - E BFD150 - E* - E BFD200 - E* - E BFD250 - E* - E BFD300 - E* - E BFD350 - E* - E BFD400 - E* - E BFD450 - E* - E BFD500 - E* - E BFD600 - E* - E	50 65 80 100 125 150 200 250 300 350 400 450 500 600	OM-1 OM-1 OM-1 OM-A OM-A OM-2 OM-3 OM-4 OM-5 OM-6 OM-7 OM-8 OM-9 OM-11	16 BAR 10 BAR	-20°C 40°C	E1=240VAC E2=110VAC E5=24VAC E7=12VDC E8=24VDC E11=415VAC IP67	- Ductile Iron - 316 S/S disc - EPDM liner (E) - Optional Viton (V) NBR (N) Replacable liner	on/off electric actuator. SMK26314 WMK26314 WSSA
Power Open / Power Closed. Available in Spring Return Electric Actuation.				For Non Potable Water - EPDM 90°C			

Please Note: For dry powder applications, upsized actuator is recommended. Contact factory for sizing.

Series BFDD Double Flange

AIR / WATER / VACUUM



Model	Nominal Bore Ømm	Actuator	Media Pressure	Media Temperature	Flange Options	Material of Construction	Features
Double Flange							
BFDD50 - L - E	50	LEVER	16 BAR	-20°C For Non Potable Water - EPDM 90°C	Standard: AS 4087 PN16	- Ductile Iron 316 S/S disc - EPDM liner (E)	BFDD Direct Pad Mount. Operator: • Lever • Gear Box IP67 Double Flange. Flange to AS4087 PN16 Std. AS2129 Table E Optional W TM SMK40876 WMK40876 WSSA
BFDD65 - L - E	65						
BFDD80 - L - E	80						
BFDD100 - L - E	100						
BFDD125 - L - E	125						
BFDD150 - L - E	150						
BFDD200 - L - E	200						
BFDD250 - L - E	250						
BFDD300 - L - E	300						
BFDD350 - L - E	350						
BFDD400 - G - E	400	GEARBOX	10 BAR	40°C			Not Watermark Approved
BFDD450 - G - E	450						
BFDD500 - G - E	500						
BFDD600 - G - E	600						
BFDD700 - G - E							
BFDD800 - G - E							
BFDD900 - G - E							
BFDD1000 - G - E							
BFDD1200 - G - E							
	Not Watermark Approved	GEARBOX		-20°C			
				90°C			

AIR / WATER / VACUUM



Double Flange • Double Acting				BFDDDA			
BFDD50 - DA - E	50	DA50		-20°C	Standard: AS 4087 PN16	• Ductile Iron • 316 S/S disc • EPDM liner (E)	Direct Pad Mount. Double Flange. Flange to AS4087 PN16 Std. AS2129 Table E Optional  SMK40876 WMK40876 WSSA
BFDD65 - DA - E	65	DA50					
BFDD80 - DA - E	80	DA63					
BFDD100 - DA - E	100	DA75					
BFDD125 - DA - E	125	DA88					
BFDD150 - DA - E	150	DA100					
BFDD200 - DA - E	200	DA115					
BFDD250 - DA - E	250	DA125					
BFDD300 - DA - E	300	DA145					
BFDD350 - DA - E	350	DA180					
BFDD400 - DA - E	400	DA200		40°C			
BFDD450 - DA - E	450	DA200					
BFDD500 - DA - E	500	DA240					
BFDD600 - DA - E	600	DA270					
				For Non Potable Water - EPDM 90°C			

AIR / WATER / VACUUM



Double Flange • Spring Return			BFDDSR				
BFDD550 - SR - E	50	SR63		-20°C	Standard: AS 4087 PN16	• Ductile Iron • 316 S/S disc • EPDM liner (E)	Spring Return Pneumatic actuator. Direct pad mount. Double Flange. Flange to AS4087 PN16 Std. AS2129 Table E Optional  SMK40876 WMK40876 WSSA
BFDD565 - SR - E	65	SR63					
BFDD580 - SR - E	80	SR75					
BFDD5100 - SR - E	100	SR88					
BFDD5125 - SR - E	125	SR100					
BFDD5150 - SR - E	150	SR115					
BFDD5200 - SR - E	200	SR125					
BFDD5250 - SR - E	250	SR145					
BFDD5300 - SR - E	300	SR180					
BFDD5350 - SR - E	350	SR200					
BFDD5400 - SR - E	400	SR240	10 BAR	40°C			
BFDD5450 - SR - E	450	SR270					
BFDD5500 - SR - E	500	SR270					
BFDD5600 - SR - E	600	SR380					
				For Non Potable Water - EPDM 90°C			

AIR / WATER / VACUUM



Double Flange • Electric				BFDDE				
BFDD50 - E* - E	50	OM-1		-20°C	Standard: AS 4087 PN16	• Ductile Iron • 316 S/S disc • EPDM liner (E)	on/off electric actuator.	
BFDD65 - E* - E	65	OM-1		Double Flange. Flange to AS4087 PN16 Std.				
BFDD80 - E* - E	80	OM-1						
BFDD100 - E* - E	100	OM-A						
BFDD125 - E* - E	125	OM-A						
BFDD150 - E* - E	150	OM-2						
BFDD200 - E* - E	200	OM-3						
BFDD250 - E* - E	250	OM-4						
BFDD300 - E* - E	300	OM-5						
BFDD350 - E* - E	350	OM-6						
BFDD400 - E* - E	400	OM-7	AS2129 Table E Optional					
BFDD450 - E* - E	450	OM-8						
BFDD500 - E* - E	500	OM-9						
BFDD600 - E* - E	600	OM-11						
				40°C	For Non Potable Water - EPDM 90°C		SMK40876 WMK40876 WSSA	

Series BFL Lugged

AIR / WATER / VACUUM



Model	Nominal Bore Ømm	Actuator	Media Pressure	Media Temperature	Actuator Voltage/Air Pressure	Material of Construction	Features	
Lever and Gear Operated • Ductile Iron						BFL		
BFL50 - L - E	50	LEVER	16 BAR	-20°C	AS2129 Table E OR AS4087 Table D	- Ductile Iron - 316 S/S disc - EPDM liner (E) - Optional Viton (V) NBR (N)	Direct Pad Mount. Operator: • Lever • Gear Box IP67 AS2129 Table E or Table D  SMK26314 WMK26314 WSSA	
BFL65 - L - E	65							GB1
BFL80 - L - E	80							GB1
BFL100 - L - E	100							GB1
BFL125 - L - E	125							GB1
BFL150 - L - E	150							GB2
BFL200 - L - E	200							GB2
BFL250 - L - E	250							GB2
BFL300 - L - E	300							GB2
BFL350 - G - E	350							GB3
BFL400 - G - E	400	GB4						
BFL450 - G - E	450	GB4						
BFL500 - G - E	500	GB4						
BFL600 - G - E	600	GB5						
Substitute 'G' for Gear Box option				For Non Potable Water - EPDM 90°C				

AIR / WATER / VACUUM



Double Acting Pneumatic • Ductile Iron							BFLDA	
BFL50 - DA - E	50	DA50		-20°C	6-8 BAR	- Ductile Iron - 316 S/S disc - EPDM liner (E) - Optional Viton (V) NBR (N) Replacable liner	Double acting Pneumatic actuator. Direct pad mount. AS2129 Table E or Table D  SMK26314 WMK26314 WSSA	
BFL65 - DA - E	65	DA50						
BFL80 - DA - E	80	DA63						
BFL100 - DA - E	100	DA75						
BFL125 - DA - E	125	DA88						
BFL150 - DA - E	150	DA100						
BFL200 - DA - E	200	DA115						
BFL250 - DA - E	250	DA125						
BFL300 - DA - E	300	DA145						
BFL350 - DA - E	350	DA180						
BFL400 - DA - E	400	DA200		40°C	6-8 BAR			
BFL450 - DA - E	450	DA200						
BFL500 - DA - E	500	DA240						
BFL600 - DA - E	600	DA270						
				For Non Potable Water - EPDM 90°C				

AIR / WATER / VACUUM



Spring Return Pneumatic • Ductile Iron							BFLSR
BFL550 - SR - E	50	SR63		-20°C	6-8 BAR	- Ductile Iron - 316 S/S disc - EPDM liner (E) - Optional Viton (V) NBR (N) Replacable liner	Spring Return Pneumatic actuator. Direct pad mount.
BFL565 - SR - E	65	SR63					AS2129 Table E or Table D
BFL580 - SR - E	80	SR75					 SMK26314 WMK26314 WSSA
BFL5100 - SR - E	100	SR88					
BFL5125 - SR - E	125	SR100					
BFL5150 - SR - E	150	SR115					
BFL5200 - SR - E	200	SR125					
BFL5250 - SR - E	250	SR145					
BFL5300 - SR - E	300	SR200					
BFL5350 - SR - E	350	SR240					
BFL5400 - SR - E	400	SR240					
BFL5450 - SR - E	450	SR270	10 BAR				
BFL5500 - SR - E	500	SR270		40°C	6-8 BAR		
BFL5600 - SR - E	600	SR380					
For normally open function change 4th digit to 6				For Non Potable Water - EPDM 90°C			

AIR / WATER / VACUUM



Electric On/Off • Ductile Iron						BFLE	
BFL50 - E* - E	50	OM-1			E1=240VAC E2=110VAC E5=24VAC E7=12VDC E8=24VDC E11=415VAC IP67	- Ductile Iron - 316 S/S disc - EPDM liner (E) - Optional Viton (V) - NBR (N) Replacable liner	on/off electric actuator. AS2129 Table E or Table D  SMK26314 WMK26314 WSSA
BFL65 - E* - E	65	OM-1					
BFL80 - E* - E	80	OM-1					
BFL100 - E* - E	100	OM-A					
BFL125 - E* - E	125	OM-A					
BFL150 - E* - E	150	OM-2					
BFL200 - E* - E	200	OM-3					
BFL250 - E* - E	250	OM-4					
BFL300 - E* - E	300	OM-5					
BFL350 - E* - E	350	OM-6					
BFL400 - E* - E	400	OM-7	10 BAR				
BFL450 - E* - E	450	OM-8					
BFL500 - E* - E	500	OM-9					
BFL600 - E* - E	600	OM-11					
Power Open / Power Closed. Available in Spring Return Electric Actuation.						For Non Potable Water - EPDM 90°C	

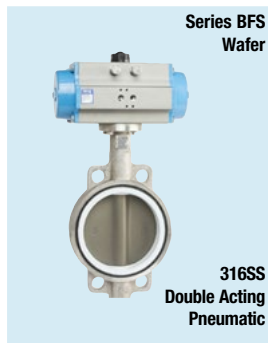
Series BFS Wafer

AIR / WATER



Model	Nominal Bore Ømm	Actuator	Media Pressure	Media Temperature	Actuator Voltage/Air Pressure	Material of Construction	Features
Lever and Gear Operated • 316SS Body - PTFE Seat & Disc.							BFS
BFS50 - L - T	50	LEVER	10 BAR	-20°C		LEVER 304 SS BODY MATERIAL 316 SS DISC MATERIAL 316 SS SEAT MATERIAL PTFE Coated NBR WAFFER STYLE Suit Flanges Table E, D ANSI 150 & BS4504 PN10 AS4087 PN16, AS2129 Table E	
BFS65 - L - T	65						GEARBOX
BFS80 - L - T	80						
BFS100 - L - T	100						
BFS125 - L - T	125						
BFS150 - L - T	150						
BFS200 - L - T	200						
BFS250 - L - T	250						
BFS300 - L - T	300						
BFS350 - ISO - T	350						
BFS400 - ISO - T	400						
BFS450 - ISO - T	450	10 BAR	120°C				
BFS500 - ISO - T	500						
BFS600 - ISO - T	600						
Substitute 'G' for Gear Box option • Optional Lugged Valves Available							

AIR / WATER



Double Acting Pneumatic • 316SS Body - PTFE Seat & Disc. BFSDA							
BFS50 - DA - T	50	DA63	10 BAR	-20°C	6-8 BAR	Body: 316 SS	Double acting Pneumatic actuator. Direct pad mount.
BFS65 - DA - T	65	DA75	10 BAR	120°C	6-8 BAR	Seat: PTFE Coated NBR	Optional: S/S Actuators
BFS80 - DA - T	80	DA75					
BFS100 - DA - T	100	DA88					
BFS125 - DA - T	125	DA100					
BFS150 - DA - T	150	DA115					
BFS200 - DA - T	200	DA125					
BFS250 - DA - T	250	DA160					
BFS300 - DA - T	300	DA180					
						Disc: 316 SS	

AIR / WATER



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

AIR / WATER



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

Series JMC

Model	Nominal Bore Ømm	Actuator	Media Pressure	Media Temperature	Flange Options	Material of Construction	Features
MULTI PURPOSE							
Ductile Iron • 20 Bar				JMC			
 Series JMC Wafer	JMC31300 - 050 JMC31300 - 065 JMC31300 - 080 JMC31300 - 100 JMC31300 - 125 JMC31300 - 150 JMC31300 - 200 JMC31300 - 250 JMC31300 - 300 JMC31300 - 350 JMC31300 - 400 JMC31300 - 450 JMC31300 - 500 JMC31300 - 600	50 65 80 100 125 150 200 250 300 350 400 450 500 600	Bare Shaft (ISO) Lever, Gearbox, Pneumatic, Electric	20 BAR	-20°C 130°C Continuous	Standard: Wafer Optional: Lug/Double Flange	• Ductile Iron Body • 316 S/S disc • EPDM liner (E) • NBR liner (N) (Optional) • Lever: Standard or Heavy Duty • Gearbox • Pneumatic: DA or SR • Electric • Simple Liner Replacement gives short down time.

General Applications:

Water treatment, Food and drinks industries, Sugar and paper mills, Chemical, Oil, Offshore, Sea water, General industries.

Technical Data:

Diameter (DM): 50 to 2400
Pressure (bar): 20 max
Temperature (°C): -30 to 130

Flange Types:

Diameter (DM): 50 to 2400
PN 6-25 / ANSI 150-300 / AWWA / JIS
(Other: on request)

Certifications and Approvals:

Marine (ABS, Bureau Veritas, DNV), Oil (Total), Fire protection (VDS, APSAD, UL, FM), Potable water (ACS, WRAS, PSB), Food (FDA), Electrical continuity

Series ZGX Triple Eccentric

Model	Nominal Bore Ømm	Actuator	Media Pressure	Media Temperature	Flange Options	Material of Construction	Features
Cast Steel • Triple Eccentric • 25 Bar					ZGX		
ZGXH - 050 ZGXH - 065 ZGXH - 080 ZGXH - 100 ZGXH - 125 ZGXH - 150 ZGXH - 200 ZGXH - 250 ZGXH - 300	50 65 80 100 125 150 200 250 300	Bare Shaft (ISO) Lever, Gearbox, Pneumatic, Electric	 20 BAR	 -20°C 			

General Applications:

High temperature steam and liquids. Critical applications.

Technical Data:

Diameter (DM): 50 to 4000
Pressure (bar): 20
Wafer: Connection

Flange Types:

Wafer available for all flange types
ANSI: - 150 - 200 - 600 - 900

Certification & Approvals:

ISO, CE, TS, API
Optional to 25 Bar working pressure

Valve Handle

Series NPVLEV



Heavy Duty with Locking Beville

NPVLEV

Model	Mounting Interfaces	Drive Sizes Square	Body Material	Feature
NPVLEV - F0711 NPVLEV - F1014 NPVLEV - F1019	F07 F10 F10	11mm 14mm 19mm	CF8M	Heavy Duty for harsh environments. Locking handle for partial closure. Locking pin for security.

Valve Lockout

Series VSL



Safety Lockout for Valve / Actuator

VSL

Model	Mounting Interfaces	Drive Sizes Square	Body Material	Feature
VSL - * (13 models - See website for details)	F05 - F25	7mm - 55mm	2205 Duplex Stainless Steel	Locks directly onto valve spindle. Retrofit easily between valve and actuator. Wafer style externally compatible. Takes safety lockout tags.

Electric

Double Acting.



Model	Torque (NM)	Speed Sec/90°		MTG Flange ISO5211	Drive MM (F to F)	Override	Visual Indicator 4 Way	IP67	Micro Switch for Feed Back Open/Close 0-250V 5amp	4-20mA Feed Back	IEC Ex Flame proof IP68	
		AC	DC									
Power On, Power Off • Die Cast Housing • FBE Coating												OM
OM-1 - *	35	13	15	F03/F05	14	STAR DRIVE	✓	✓	✓	✓	OPTIONAL	OPTIONAL Exdb11BT 4gb, Exdb111CT130CDblPE8
OM-A - *	50	24	20	F05/F07	17		✓	✓	✓	✓		
OM-2 - *	90	17	15	F07/F10	22		✓	✓	✓	✓		
OM-3 - *	150	26	22	F07/F10	22		✓	✓	✓	✓		
OM-4 - *	400	18	16	F10/F12	36		✓	✓	✓	✓		
OM-5 - *	500	25	22	F10/F12	36		✓	✓	✓	✓		
OM-6 - *	650	31	28	F10/F12	36		✓	✓	✓	✓		
OM-7 - *	1000	55	46	F14#	36		✓	✓	✓	✓		
OM-8 - *	1500	55	46	F14#	36		✓	✓	✓	✓		
OM-9 - *	2000	70	58	F16#	75 Ø		✓	✓	✓	✓		
OM-10 - *	2500	70	58	F16#	75 Ø		✓	✓	✓	✓		
OM-11 - *	3000	70	58	F16#	75 Ø		✓	✓	✓	✓		
OM-12 - *	3500	70	58	F16#	75 Ø		✓	✓	✓	✓		
OM-13 - *	4500	95	—	F25#	75 Ø	✓	✓	✓	✓			

Modulating



Input 4-20ma, 1-5V DC, 2-10V DC • Die Cast Housing • FBE Coating OMM											
OM-1M - *	35	13	15	F03/F05	14	↑	✓	✓	✓	✓	✓
OM-AM - *	50	24	20	F05/F07	17	↑	✓	✓	✓	✓	✓
OM-2M - *	90	17	15	F07/F10	22	↑	✓	✓	✓	✓	✓
OM-3M - *	150	26	22	F07/F10	22	↑	✓	✓	✓	✓	✓
OM-4M - *	400	18	16	F10/F12	36	↑	✓	✓	✓	✓	✓
OM-5M - *	500	25	22	F10/F12	36	↑	✓	✓	✓	✓	✓
OM-6M - *	650	31	28	F10/F12	36	↑	✓	✓	✓	✓	✓
OM-7M - *	1000	55	46	F14#	36	↑	✓	✓	✓	✓	✓
OM-8M - *	1500	55	46	F14#	36	↑	✓	✓	✓	✓	✓
OM-9M - *	2000	70	58	F16#	75 Ø	↑	✓	✓	✓	✓	✓
OM-10M - *	2500	70	58	F16#	75 Ø	↑	✓	✓	✓	✓	✓
OM-11M - *	3000	70	58	F16#	75 Ø	↑	✓	✓	✓	✓	✓
OM-12M - *	3500	70	58	F16#	75 Ø	↑	✓	✓	✓	✓	✓
OM-13M - *	4500	95	—	F25#	75 Ø	↑	✓	✓	✓	✓	✓
12 VDC Modulating Not Available				# Optional Mounting Available							

Stainless Steel



Power on, Power Off. SS316 Housing OMS											
OMS-1 - *	35	13	15	F03/F05	14	↑	✓	✓	✓	✓	✓
OMS-2 - *	90	17	15	F07/F10	22	↑	✓	✓	✓	✓	✓
OMS-3 - *	150	26	22	F07/F10	22	↑	✓	✓	✓	✓	✓
OMS-4 - *	400	18	16	F10/F12	36	↑	✓	✓	✓	✓	✓
OMS-5 - *	500	25	22	F10/F12	36	↑	✓	✓	✓	✓	✓
OMS-6 - *	650	31	28	F10/F12	36	↑	✓	✓	✓	✓	✓
Available with 4-20mA Modulating Control											

Spring Return



Fail Safe • Die Cast Housing • FBE Coating • With and without manual override S											
S500 - *	50	9	3	7	3	F07	17	↑	✓	✓	✓
S1300 - *	130	9	8	8	8	F10	22	↑	✓	✓	✓
S2000 - *	200	13	12	11	12	F12	27	↑	✓	✓	✓
S2600 - *	250	17	12	12	12	F12	27	↑	✓	✓	✓
S3600 - *	360	19	19	24	24	F12	27	↑	✓	✓	✓
S500 H - *	50	9	3	7	3	F07	17	↑	✓	✓	✓
S1300 H - *	130	9	8	8	8	F10	22	↑	✓	✓	✓
S2000 H - *	200	13	12	11	12	F12	27	↑	✓	✓	✓
S2600 H - *	250	17	12	12	12	F12	27	↑	✓	✓	✓
S3600 H - *	360	19	19	24	24	F12	27	↑	✓	✓	✓

Optional Items

Multi-Turn Actuator • M41 • M55 • M80 • M100

 On/Off OME	 Modulating OMEM	 Spring Return SE	 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 , ATEX,  - 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 - Standard Voltages: 240vAC, 110vAC, 24vAC, 12vDC, 24vDC, 415vAC - Other Voltages Available - Slow Speed Open/Close Options to 150 Seconds
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All above optional items are special order and subject to lead times.

Pneumatic Double Acting

Double Acting



Model	Double Acting Torque (Nm) @ 6 Bar Air Supply	MTG Flange ISO5211	Drive MM (F to F)	Features & Options
Aluminium Body • Double Acting				
DA32	8	F03	9	DA Standard: Visual indicator Adjustable stroke Anodised aluminium body (Std) NBR seals (80°C) 8 BAR (max) Options: Viton seals See page 29 for Drive Adapters
DA50	19.9	F03/F05	11	
DA63	35.2	F05/F07	14	
DA75	70	F05/F07	17	
DA88	110	F05/F07	17	
DA100	160	F07/F10	17	
DA115	258	F07/F10	22	
DA125	332	F07/F10	22	
DA145	522	F10/F12	27	
DA160	681	F10/F12	27	
DA180	919	F10/F14	36	
DA200	1276	F10/F14	36	
DA240	2785	F16	46	
DA270	3720	F16	46	
DA380	4636	F16	46	
DA570	6941	F16/F25	46	
DA800	9890	F16/F25	55	

Double Acting



Stainless Steel Body • Double Acting				
SDA52	24	F04/F05	11	SDA Standard: Visual indicator Adjustable stroke 304 Stainless Steel body (std) NBR seals (80°C) 8 BAR (max) Options: Viton seals (120°C) SS316 Body
SDA63	43	F05/F07	14	
SDA83	85	F05/F07	17	
SDA105	195	F07/F10	22	
SDA125	346	F07/F10	22	
SDA140	521	F10/F12	27	
SDA160	794	F10/F12	27	
SDA210	1596	F14	36	
Larger sizes available in Stainless Steel				

Scotch Yoke Actuator available in DA & SR for larger torques

Pneumatic Spring Return

Spring Return



Model	Spring Return (Full Spring Set)				MTG Flange ISO5211	Drive MM (F to F)	Features & Options
	Spring Torque (Close) (Nm)		Air Torque (Open)(Nm) @ 6 Bar Air Supply				
	0°	90°	0°	90°			

Aluminium Body • Spring Return							SR	
SR50	8.1	11.7	11.9	8.2	F03/F05	11	STAR DRIVE	Standard:
SR63	13.3	20.2	21.9	14.9	F05/F07	14		Visual indicator
SR75	26.5	41.5	43.3	28.3	F05/F07	17		Adjustable stroke
SR88	44	69.3	65.8	40.5	F05/F07	17		Anodised aluminium
SR100	60.8	96.5	98.7	65	F07/F10	17		body (Std)
SR115	98.4	157	159	100	F07/F10	22		NBR seals (80°C)
SR125	126	198	206	135	F07/F10	22		8 BAR (max)
SR145	198	309	324	213	F10/F12	27		Options:
SR160	269	399	411	282	F10/F12	27		Viton seals
SR180	379	568	540	351	F10/F14	36		See page 29 for
SR200	510	756	766	520	F10/F14	36		Drive Adapters
SR240	1124	1685	1661	1100	F16	46		
SR270	1580	2369	2336	1548	F16	46		
SR380	1888	2744	2748	1892	F16	46		
SR570	2972	4313	3969	2629	F16/F25	46		
SR800	3311	4924	6580	4966	F16/F25	55		

Spring Return



Stainless Steel Body • Spring Return (Full Spring Set)							
SSR52	10	14	13.5	8.5	F04/F05	11	SSR Standard: Visual indicator Adjustable stroke 304 Stainless Steel body (std) NBR seals (80°C) 8 BAR (max) Options: Viton seals SS316 Body
SSR63	16	25	25	16	F05/F07	14	
SSR83	38	55	52	34	F05/F07	17	
SSR105	76	118	117	73	F07/F10	22	
SSR125	125	188	175	110	F07/F10	22	
SSR140	205	309	309	200	F10/F12	27	
SSR160	335	500	450	275	F10/F12	27	
SSR210	625	863	864	620	F14	36	
Larger sizes available in Stainless Steel							

Big range of Scotch Yoke Actuators available.

Gear Box Cast Steel

DE-CLUTCH



Model	Speed Ratio	Torque (Nm)	Connection ISO 5211		Hand Wheel Dia (mm)	Drive ☐ mm		Suggested Actuator Size	
		Output Max.	Valve	Actuator		Actuator	Valve	DA	SR

• Suitable for Ball Valve & Actuator Interface

DC1 - 11						11	11	52	52
DC1 - 14	40:1	300	F05/F07	F05/F07	200	14	14	63	63
DC1 - 17						17	17	75	75
DC2 - 14						14	11	63	63
DC2 - 17	28:1	350	F07	F07/F10	300	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:

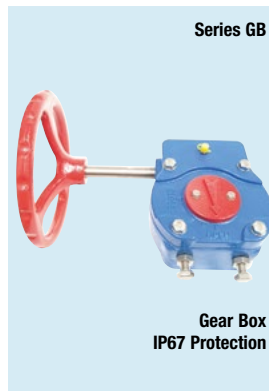
- Ductile Iron Body. FBE Coating.
- IP67 Environment Protection.
- SS316 Drive Shaft and Fastenings
- Air Safety Interlock (Exhausts Actuator when Engaged)

Function: Can manually override a pneumatic actuated valve

* Add Value Torque when sizing for Spring Return Actuator

Also available with SS316 Body

DIRECT



• Suitable for Ball Valve & Butterfly Valve

Model	Speed Ratio	Torque (Nm)	Connection ISO 5211	Hand Wheel Dia (mm)	Drive ☐ mm		Suggested Actuator Size	SR
					Actuator	Valve		
GB1	40:1	255	F05/F07	200	14		Ø 14 x 10 Ø 16 x 11	
GB2	36:1	570	F07/F10	300	22		Ø 19 x 13 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			Ø25 ~ Ø45
GB5	70:1	2600	F16	500	36 (or 46)			Ø45 ~ Ø75
GB6	140:1	5200	F16	500	46 (or 55)			Ø45 ~ Ø75
GB7	207:1	8000	F25	500	46 (or 55)			Ø60 ~ Ø80

Features:

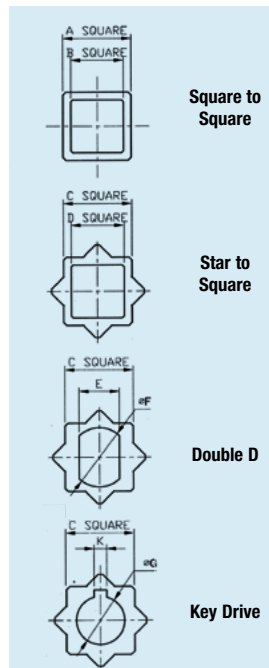
- Ductile Iron Body. FBE Coating
- IP67 Environment Protection. IP68 Optional
- SS316 Drive Shaft and Fastenings
- Suitable for Ball and Butterfly Valves
- Visual Position Indicator
- Optional Chain Drive GBC

☐ = Square Drive (standard)

☐ = Double D (optional)

☐ = Custom Hole & Keyway (optional)

DRIVE ADAPTORS



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

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

Square to Square mm Star to Square mm

Model	A	B
ZT 11 - 9	11	9
ZT 14 - 9	14	9
ZT 14 - 11	14	11
ZT 17 - 9	17	9
ZT 17 - 11	17	11
ZT 17 - 14	17	14
ZT 22 - 14	22	14
ZT 22 - 17	22	17
ZT 22 - 19	22	19
ZT 27 - 17	27	17
ZT 27 - 22	27	22
ZT 35 - 27	35	27
ZT 36 - 22	36	22
ZT 36 - 27	36	27

Model	C	D
ST 11 - 9	11	9
ST 14 - 9	14	9
ST 14 - 11	14	11
ST 17 - 9	17	9
ST 17 - 11	17	11
ST 17 - 14	17	14
ST 22 - 14	22	14
ST 22 - 17	22	17
ST 22 - 19	22	19
ST 27 - 17	27	17
ST 27 - 22	27	22
ST 35 - 19	35	19
ST 36 - 22	36	22
ST 36 - 27	36	27
ST 46 - 36	46	36

Double D mm to Star

Model	C	E	ØF
DT 17 - 9.6	17	9.6	14.5
DT 17 - 11.2	17	11.2	16.1
DT 22 - 16.1	22	11.2	16.1
DT 22 - 19.25	22	12.8	19.25
DT 27 - 19.25	27	12.8	19.25
DT 27 - 22.4	27	16	22.4
DT 36 - 22.4	36	16	22.4
DT 36 - 22	36	22	30.1

Key Drive mm to Star

Model	C	K	ØG	Length
KD 17 - 12.8	17	3	12.8	12
				16
				16
				19
				19
				19
KD 22 - 15.9	22	5	15.9	24
KD 22 - 29.5	22	5	19.05	24
				24
KD 27 - 19.0	27	5	19.05	29
KD 27 - 22.2	27	5	22.2	29
				38
KD 36 - 28.7	36	6.43	28.7	38
KD 46 - 31.8	46	8	31.8	48
KD 46 - 33.3	46	9.65	33.3	48
KD 46 - 38.1	46	9.65	38.1	48

Custom Drive Extensions (S/S316) Consult Factory • GBC Chain Drive and Gear Box assembly available.

- Limit Switch Box • Positioner
- Heavy Duty Valve Handle
- Safety Lockout

Feed Back

Limit Switch Box



Aluminium Enclosure • Prewired • Hi Visual Indicator • IP67

SK

SK - 100	IP67	2 x SPDT Mechanical Switch 10 Amp AC 250V Max 2 Amp DC	-20°C – 80°C	2 Cable Entry M20 x 1.5	Die Cast Aluminium. Powder Coated. SK-1 Bracket Standard
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Limit Switch Box



Aluminium Enclosure • Explosive Atmosphere • IP66

ALSEX

ALS 500 M2 Ex	IP66	15A SPDT x 2 (Std) 15A SPDT x 3 } Optional 15A SPDT x 4 }	-25°C – 85°C	2 Cable Entry M20 x 1.5	Die Cast Aluminium. Powder Coated. Coated Bracket Supplied to suit DA/SR 50-270 Exd II BT6 IEC Ex CQM 12.0047 IP66
 Explosive Atmosphere		Various Inductive Sensors (Optional)			

Limit Switch Box



316 Stainless Steel Enclosure • Explosive Atmosphere • IP66

ALSEX

ALS 600 M2 Ex	IP66	15A SPDT x 2 (Std) 15A SPDT x 3 } Optional 15A SPDT x 4 }	-25°C – 85°C	2 Cable Entry M20 x 1.5	316SS Body SS Bracket Supplied to suit DA/SR 50-270 Exd II BT6 IEC Ex CQM 12.0047 IP66
 Explosive Atmosphere		Various Inductive Sensors (Optional)			

Rotary Electro-Pneumatic Positioner • IP66 • DA (Std) SR optional

POS-LIN



Model	Function	Rating		Features and Options
POS - A	Analogue DA & SR	Weatherproof IP66	1.5% Hysteresis 3LPM@1.5 BAR AIR	Powder Coated Aluminium Body Conduit Entry M20 X 1.5 Input 4-20mA Output 4-20mA Supply Pressure 1.4 ~ 7 BAR 90° Rotation
POS - D	Digital DA	Weatherproof IP66	1.5% Hysteresis 3LPM@1.5 BAR AIR	Powder Coated Steel (Black) Bracket supplied to suit DA/ SR 50-270 Standard. Other Brackets - Please specify when ordering.
POS - DS	Digital SR	Weatherproof IP66	1.5% Hysteresis 3LPM@1.5 BAR AIR	
DA = Double Acting (Standard) SR = Single Acting (Optional) PLEASE SPECIFY WHEN ORDERING				

Linear Electro-Pneumatic Positioner • IP66 • DA (Std) SR optional

POS-LIN



Model	Function	Rating		Features and Options
POS - LIN - D	Linear DA	Weatherproof IP66	1.5% Hysteresis 3LPM@1.5 BAR AIR	Powder Coated Aluminium Body Conduit Entry M20 X 1.5 Input 4-20mA Output 4-20mA Supply Pressure 1.4 ~ 7 BAR
POS - LIN - SR	Linear SR	Weatherproof IP66	1.5% Hysteresis 3LPM@1.5 BAR AIR	Powder Coated Steel (Black) Bracket supplied to suit DA/ SR 50-270
DA = Double Acting (Standard) SR = Single Acting (Optional) PLEASE SPECIFY WHEN ORDERING				For Actuators greater than 180cm ³ Volume. Standard with 10-40mm Feedback Lever. Larger Lever on request

Mounting Brackets Optional Material & Function

SK



Mounting Brackets		To suit Actuators	Base Holes	Height mm	Material:
SK-1 BKT SK-2 BKT	Std. BKT Optional	DA/SR 50 - 100 Old Style High Mounting	80 x 30 80 x 30	30 40	SS304 50mm PCD Mounting (F05)
SK-3 BKT SK-4 BKT	Optional Optional	DA/SR 115 - 240 Old Style High Mounting	130 x 30 130 x 30	40 60	
SK-M1	Multi Function	Suits most size Actuators DA/SR 50-270	80 x 30 130 x 30	30/40 30/40	Powder Coated Steel – Black. 50mm (F05) Limit Switch Mounting

Knife Gate



Series KGDHW

Cast Iron
Manual
Hand Wheel

Model	Orifice Ømm	Diameter Nominal (D/N)	Actuator	Media Pressure	Media Temperature	Actuator Air Pressure	Material of Construction	Features
Manual Hand Wheel • Cast Iron • Unidirectional KGDHW								
KGDHWN - 50	50	50	HAND WHEEL RISING STEM	10 BAR	0°C		Blade: SS316 Body: Cast Iron	Low Torque Hand Wheel
KGDHWN - 65	65	65					Stem: SS304	Fusion Bonded Epoxy Coating
KGDHWN - 80	80	80					Shroud: FBE Coated Steel	Rising Stem
KGDHWN - 100	100	100					Seats: NBR	
KGDHWN - 125	125	125					Packing: PTFE	
KGDHWN - 150	150	150						
KGDHWN - 200	200	200						
KGDHWN - 250	250	250		10 BAR	80°C NBR			
KGDHWN - 300	300	300						
Sizes up to 1000mm available • AS2129 Table E • AS4087								



Series KGSHR

SS316
Manual Hand Wheel

Manual Hand Wheel ST/ST • Unidirectional KGSHR								
KGSHRN/M - 50	45	50	HAND WHEEL RISING STEM	10 BAR	0°C		Blade: SS316 Body: SS316	Metal or Elastomer Seat
KGSHRN/M - 65	60	65					Stem: SS304	Fully Lugged
KGSHRN/M - 80	74	80					Shroud: SS304	Uni-Directional
KGSHRN/M - 100	93	100					Seats: NBR or Metal	Rising Stem
KGSHRN/M - 125	116	125					Optional: VITON, EPDM	Optional: ANSI 150
KGSHRN/M - 150	138	150						
KGSHRN/M - 200	188	200						
KGSHRN/M - 250	233	250						
KGSHRN/M - 300	281	300						
KGSHRN/M - 350	330	350						
KGSHRN/M - 400	368	400			80°C NBR 100°C METAL			
KGSHRN/M - 450	415	450			Optional VITON / EPDM			
KGSHRN/M - 500	460	500						
KGSHRN/M - 600	560	600		10 BAR				
Sizes up to 1000mm available • N = NBR Seat • M = Metal Seat • AS2129 Table E (STD) • AS4087 • Optional ANSI 150								



Series KGSDA

SS316
Double Acting
Pneumatic

Double Acting Pneumatic ST/ST • Unidirectional KGSDA								
KGSDAN/M - 50	45	50	DOUBLE ACTING PNEUMATIC	10 BAR	0°C	6-8 BAR	Blade: SS316 Body: SS316	Double Acting Pneumatic
KGSDAN/M - 65	60	65					Stem: SS304	Fully Lugged
KGSDAN/M - 80	74	80					Shroud: SS304	Uni-Directional
KGSDAN/M - 100	93	100					Seats: NBR or Metal	Magnetic Piston for Reed Switch Feedback
KGSDAN/M - 125	116	125					Optional: VITON, EPDM	Optional: ANSI 150
KGSDAN/M - 150	138	150						
KGSDAN/M - 200	188	200						
KGSDAN/M - 250	233	250						
KGSDAN/M - 300	281	300						
KGSDAN/M - 350	330	350						
KGSDAN/M - 400	368	400			80°C NBR 100°C METAL			
KGSDAN/M - 450	415	450			Optional VITON / EPDM			
KGSDAN/M - 500	460	500						
KGSDAN/M - 600	560	600		10 BAR		6-8 BAR		
Sizes up to 1000mm available • N = NBR Seat • M = Metal Seat • AS2129 Table E (STD) • AS4087 • Optional ANSI 150								

- 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)

2 Way Gate Valve

Isolation Valve

Brass • Forged Steel • Cast Steel • Stainless Steel

Gate Valves

AIR / WATER



Manual Hand Wheel • Brass Body • BSP

Model	Nominal Bore Ømm	Actuator	Connection	Media Pressure	Media Temperature	Material of Construction	Features
GVB - 04 GVB - 05 GVB - 06 GVB - 07 GVB - 08 GVB - 09 GVB - 11 GVB - 12	15 20 25 32 40 50 80 100	HAND WHEEL RISING STEM	1/2 3/4 1 1-1/4 1-1/2 2 3 4	25 BAR 25 BAR	-20°C 120°C	Body: Brass Seat: Brass Gland: PTFE	Economical Isolation Valve Media: Air/Water

AIR / STEAM



Manual Hand Wheel • Forged Steel • Class 800 • NPT

Model	Nominal Bore Ømm	Actuator	Connection	Media Pressure	Media Temperature	Material of Construction	Features
GVF8 - 04 GVF8 - 05 GVF8 - 06 GVF8 - 07 GVF8 - 08 GVF8 - 09	15 20 25 32 40 50	HAND WHEEL RISING STEM	1/2 3/4 1 1-1/4 1-1/2 2	13.62 Mpa @ -29 to 35 deg C	454 deg C @ 5.5 Mpa	Body: Forged Steel Seat: Cr13 Gland: Flexible Graphite Coating: Black Steel	ASTM A105 API 602 design ASME B1.20.1 ends API 598 test Class 800 Media: Fluid/Steam

WATER / FLUIDS



Manual Hand Wheel • Carbon Steel • ANSI 150 • Rising Stem • ANSI 300

Model	Nominal Bore Ømm	Actuator	Connection	Media Pressure	Media Temperature	Material of Construction	Features
GVWR - 50 GVWR - 65 GVWR - 80 GVWR - 100 GVWR - 125 GVWR - 150 GVWR - 200 GVWR - 250 GVWR - 300 GVWR - 350 GVWR - 400	50 65 80 100 125 150 200 250 300 350 400	MANUAL HAND WHEEL RISING STEM	RF FLANGED ANSI 150	1964 Kpa @ -29 to 35 deg C	260 deg C @ 1171 Kpa	Body: Cast Steel Wedge: Cast Steel Packing: Graphite/304 Coating: Silver Primer	ASTM A216-WCB API 600 Design ASME B16.10 ASME B16.5 ends API 598 test Media: Fluid/Steam

Optional: Class 300, 600, 900, 1500, 2500

WATER / FLUIDS



Manual Hand Wheel • SS316 • BSP

Model	Nominal Bore Ømm	Actuator	Connection	Media Pressure	Media Temperature	Material of Construction	Features
GVS - 04 GVS - 05 GVS - 06 GVS - 07 GVS - 08 GVS - 09	15 20 25 32 40 50	HAND WHEEL RISING STEM	1/2 3/4 1 1-1/4 1-1/2 2	13 BAR AIR / WATER 16 BAR FLUID 10 BAR STEAM	-20°C 180°C	Body: SS316 Seat: SS316 Gland: PTFE	ANSI 816.34 Design BS21/2779 ends API 598 test Media: Fluid

WATER / FLUIDS



Manual Hand Wheel • Rising Stem • SS316 • ANSI 150

Model	Nominal Bore Ømm	Actuator	Connection	Media Pressure	Media Temperature	Material of Construction	Features
GVSF - 50 GVSF - 65 GVSF - 80 GVSF - 100 GVSF - 125 GVSF - 150 GVSF - 200 GVSF - 250 GVSF - 300 GVSF - 350 GVSF - 400	50 65 80 100 125 150 200 250 300 350 400	MANUAL HAND WHEEL RISING STEM	RF FLANGED ANSI 150	1964 Kpa @ -29 to 35 deg C	260 deg C @ 1171 Kpa	Body: CF8M Wedge: CF8M Stem: F316 Packing: Graphite/316	CF8M API 600 Design ASME B16.10 ASME B16.5 ends API 598 test Media: Fluid/Steam

Optional: Class 300, 600

Gate Valves

WATER / FLUIDS



Model	Nominal Bore Ømm	Actuator	Connection	Media Pressure	Media Temperature	Material of Construction	Features
Manual Hand Wheel • Ductile Iron • AS4087 PN16						GVC	
GVC - 50 GVC - 65 GVC - 80 GVC - 100 GVC - 125 GVC - 150 GVC - 200 GVC - 250 GVC - 300 GVC - 350 GVC - 400 GVC - 450 GVC - 500 GVC - 600	50 65 80 100 125 150 200 250 300 350 400 450 500 600	MANUAL HAND WHEEL NON RISING STEM	RF FLANGED AS 4087 PN16	16 BAR 			

FLOW CONTROL



Needle Valve - SS316 • BSP							NVS
NVS - 01	5	MANUAL TEE LEVER	1/8	BSP	408 BAR	180°C	Body: SS316 Packing: PTFE Fine Adjustment of Flow
NVS - 02	5		1/4				
NVS - 03	5		3/8				
NVS - 04	5		1/2				
NVS - 05	7		3/4				
NVS - 06	9		1				

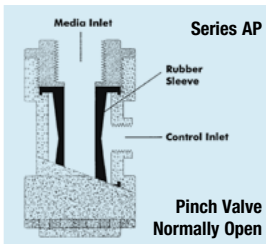
AIR / FLUID / STEAM



Angle Seat Valve - SS316 • BSP						AS	
AS5 - 04 - SR	13	PNEUMATIC ACTUATING SPRING CLOSED ↓	1/2	Over Seat 16 BAR 16 BAR	-10°C 180°C	Body & Actuator: SS316 Packing: PTFE FKM	Compact Design Single Acting (Spring return) Normally Closed
AS5 - 05 - SR	18		3/4				
AS5 - 06 - SR	24		1				
AS5 - 07 - SR	31		1-1/4				
AS5 - 08 - SR	35		1-1/2				
AS5 - 09 - SR	45		2				
Optional Proximity Switch • DA Actuator • Tri-Clover Clamps							

Pinch Valve Rubber

FLUID / SLURRY



Pinch Valve - Plastic • Air Pilot Control • Normally Open							
Model	Nominal Bore mm	N.O. - BSP	Media Pressure	Pilot Pressure	Specification	Material of Construction	Features
STANDARD	Bore MM	BSP	Media	Pilot	Contact Process Systems for individual sleeve specs.	Housing: G.R Nylon Sleeve: NBR	Air, Fluid & Dry Flowables. Viscos Fluid Slurry Sludge Service No Blockage. Full Flow. Air pilot operated
AP - 6331	6	N.O. 1/4	3.4	5.5			
AP - 6291	8	3/8	4	6			
AP - 6222	16	3/4	4	6			
AP - 6206	32	1 1/4	4	6			
AP - 6603	50	N.O. 2	3.4	4.7			

Globe Valve

AIR / FLUID



Model	Nominal Bore Ømm	Actuator	Connection	Media Pressure	Media Temperature	Material of Construction	Features
Manual Hand Wheel • SS316 • BSP							GLS
GLS - 04 GLS - 05 GLS - 06 GLS - 07 GLS - 08 GLS - 09	15 20 25 32 40 50	MANUAL HAND WHEEL RISING STEM	1/2 3/4 1 1-1/4 1-1/2 2 BSP	13 BAR AIR/WATER/ OIL	-20°C 180°C	Body: SS316 Seat: SS316 Packing: PTFE	ANSI B16.34 Design BS21/2779 ends API598 Test Media: Air/Water/Oil

AIR / FLUID / STEAM



Manual Hand Wheel • Forged Steel • Class 800 • NPT							GLF8
GLF8 - 04 GLF8 - 05 GLF8 - 06 GLF8 - 07 GLF8 - 08 GLF8 - 09	15 20 25 32 40 50	MANUAL HAND WHEEL RISING STEM	1/2 3/4 1 1-1/4 1-1/2 2 NPT	13.62 Mpa @ -29 to 35 deg.C	454 deg.C @ 5.5 Mpa	Body: Forged Steel Seat: 13Cr Packing: Flexible Graphite Coating: Black Steel	ASTM A105 API 602 design ASME B1.20.1 ends API598 Test Class 800 Media: Fluid/Steam

AIR / FLUID / STEAM



Manual Hand Wheel • Carbon Steel • ANSI 150							GLOW
GLOW - 50 GLOW - 65 GLOW - 80 GLOW - 100 GLOW - 125 GLOW - 150 GLOW - 200 GLOW - 250 GLOW - 300 GLOW - 400 GLOW - 500	50 65 80 100 125 150 200 250 300 400 500	MANUAL HAND WHEEL RISING STEM	ANSI 150 FLANGE	1964 Kpa @ -29 to 35 deg.C	260 deg.C @ 1171 Kpa	Body: Cast Steel Seat: Stellite Packing: Flexible Graphite Coating: Silver primer Optional: Bellows Seal	ASTM A216-WCB ASME B16.34 design ASME B16.10 ASME B16.5 ends API 598 test Media: Fluid/Steam
Optional: Class 600							

AIR / FLUID / STEAM



Manual Hand Wheel • Carbon Steel • ANSI 300							GLOW3
GLOW3 - 50 GLOW3 - 65 GLOW3 - 80 GLOW3 - 100 GLOW3 - 125 GLOW3 - 150 GLOW3 - 200 GLOW3 - 250 GLOW3 - 300 GLOW3 - 400 GLOW3 - 500	50 65 80 100 125 150 200 250 300 400 500	MANUAL HAND WHEEL RISING STEM	ANSI 300 FLANGE	5170 Kpa @ -29 to 35 deg.C	260 deg.C @ 1171 Kpa	Body: Cast Steel Seat: Stellite Packing: Flexible Graphite Coating: Silver primer Optional: Bellows Seal	ASTM A216-WCB ASME B16.34 design ASME B16.10 ASME B16.5 ends API 598 test Media: Fluid/Steam
Optional: Class 600							



Bellow Sealed Globe Valve • Hot & Cold Water • Steam							BSV-2EN
BSV-2EN-015 BSV-2EN-020 BSV-2EN-025 BSV-2EN-032 BSV-2EN-040 BSV-2EN-050 BSV-2EN-065 BSV-2EN-080 BSV-2EN-0100	15mm 20mm 25mm 32mm 40mm 50mm 65mm 80mm 100mm	MANUAL HAND WHEEL NON RISING	PN16 FLANGE	16 BAR	300°C	Body: Ductile Iron Internals: Stainless Steel	Zero Leakage by Two-Stage Sealing Extremely Low Torque and Maintenance Free



Bronze Globe Valves • Threaded & Flanged • Hot & Cold Water • Steam							GLBR, GLBRF
GLBR Threaded GLBRF Flanged	1/2" - 2" BSP 15 - 50mm FLANGE	MANUAL HAND WHEEL	BSP Undrilled or Table H	16 BAR	225°C	Body & Bonnet: Bronze IBR 282 (e) (iu) GR.B. Body Seat Ring, Disc & Stem: ASI-410 Stainless Steel	IBR Certified

Check Valves

- Brass • Forged Steel
- Cast Steel • Stainless Steel

Check Valve

AIR / FLUID / AQUACULTURE Ball Check • PVC



Model	Nominal Bore Ømm	Connection	Nominal Cracking Pressure	Media Pressure	Media Temperature	Material of Construction	Features
BCPE - 04	15	1/2	0.1 BAR Depending on Valve Size	10 BAR	Ambient	UPVC Body	Optional: BSP Threaded
BCPE - 05	20	3/4		10 BAR	Ambient	Seat: EPDM Optional Diaphragm: Viton FKM	Standard: Solvent Welded
BCPE - 06	25	1					
BCPE - 08	40	1-1/2					
BCPE - 09	50	2					
FKM Optional		BSP					

AIR / WATER



Piston Check • Brass • BSP

Model	Nominal Bore Ømm	Connection	Nominal Cracking Pressure	Media Pressure	Media Temperature	Material of Construction	Features
PCBN - 04	15	1/2	0.1 BAR	16 BAR	-0°C	Body: Brass	Economical
PCBN - 05	20	3/4		16 BAR	80°C	Seat: NBR	Can be mounted in any attitude Media: Air/Water
PCBN - 06	25	1					
PCBN - 07	32	1-1/4					
PCBN - 08	40	1-1/2					
PCBN - 09	50	2					
PCBN - 11	80	3					

AIR / WATER



Swing Check • Brass • BSP

Model	Nominal Bore Ømm	Connection	Nominal Cracking Pressure	Media Pressure	Media Temperature	Material of Construction	Features
SCB - 04	15	1/2	0.1 BAR	16 BAR	-20°C	Body: Brass	Economical
SCB - 05	20	3/4		16 BAR	80°C	Seat: NBR	Horizontal Mounting Media: Air/Water
SCB - 06	25	1					
SCB - 07	32	1-1/4					
SCB - 08	40	1-1/2					
SCB - 09	50	2					

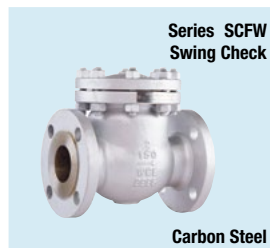
AIR / WATER / STEAM



Piston Check • Forged Steel • Class 800 • NPT

PCF8 - 04	15	1/2	NPT	0.1 BAR Depending on Valve Size	13.62 Mpa @ -29 to 35 deg C	454 deg C @ 5.5 Mpa	Body: Forged Steel	ASTM A105
PCF8 - 05	20	3/4					Seat: Cr13	API 602 design
PCF8 - 06	25	1					Gasket: Flexible Graphite/304	ASME B1.20.1 ends
PCF8 - 07	32	1-1/4						API598 Test
PCF8 - 08	40	1-1/2						Class 800
PCF8 - 09	50	2					Coating: Black Steel	Media: Air/Fluid/Steam
Larger Sizes Available								

STEAM / FLUID / PETROCHEMICAL Swing Check • Carbon Steel • ANSI 150 • Full Bore • ANSI 300



CHEMICAL Swing Check • Carbon Steel • ANSI 150 • Full Bore • ANSI 300						SCFW	
SCFW - 50	50	ANSI 150	0.1 BAR Depending on Valve Size	1964 Kpa @ -29 to 35 deg C	260 deg C @ 1171 Kpa	Body: Cast Steel	ASTM A216-WCB
SCFW - 80	80					Disc: Cast Steel	ASME B16.34 design
SCFW - 100	100					Coating: Silver Primer	ASME B16.10
SCFW - 125	125						ASME B16.5 ends
SCFW - 150	150						API 598 test
SCFW - 200	200					Gasket: Graphite/304	Full Bore
SCFW - 250	250						Media: Air/Fluid/Steam
SCFW - 300	300						
* AVAILABLE ANSI 300							

AIR / FLUID / STEAM



In-Line Check Valve • SS316 • 2 Piece

ICS - 04	15	1/2	BSP 0.1 BAR Depending on Valve Size	54 BAR	-20°C	Body: CF8M/SS316	Design to ANSI B16.34
ICS - 05	20	3/4		54 BAR	180°C	Seat: SS316	Test API 1598
ICS - 06	25	1					
ICS - 07	32	1-1/4					
ICS - 08	40	1-1/2				Gasket: PTFE	
ICS - 09	50	2					Media: Fluids

AIR / FLUID / STEAM



In-Line Check Valve • SS316 • 3 Piece

ICS3 - 04	15	1/2	0.1 BAR Depending on Valve Size	54 BAR	-20°C	Body: CF8M/SS316	Design to ANSI B16.34
ICS3 - 05	20	3/4		54 BAR	180°C	Seat: SS316	
ICS3 - 06	25	1				Media: Fluids/Steam	
ICS3 - 07	32	1-1/4					Gasket: PTFE
ICS3 - 08	40	1-1/2					
ICS3 - 09	50	2					
ICS3 - 11	80	3					
ICS3 - 12	100	4					

Check Valve

AIR / WATER / STEAM



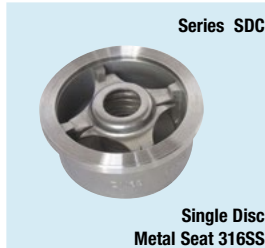
Model	Bore Ømm Nominal Orifice	Connection	Nominal Cracking Pressure	Media Pressure	Media Temperature	Material of Construction	Features
Piston Check • SS316							PCS
PCS - 04	1/2	BSP	0.3 BAR	800 PSI 54 BAR	-10°C 180°C	316 St/St PTFE Seat	One Way Flow
PCS - 05	3/4						
PCS - 06	1						
PCS - 07	1-1/4						Can be mounted in any attitude
PCS - 08	1-1/2						
PCS - 09	2						

FLUID / PETROCHEMICAL Swing Check • SS316 Body - Wafer



AL Swing Check • SS316 Body - Wafer								SCVS
SCVS - 50	50	32	WAFFER	0.1 BAR Depending on Valve Size	16 BAR	-20°C	Body: CF8M	Wafer Design
SCVS - 65	65	40			Disc: CF8M			
SCVS - 80	80	54			Pins: SS316	Fits in horizontal pipe.		
SCVS - 100	100	70			Seat: Viton (FKM)			
SCVS - 125	125	92				Reduced Flow		
SCVS - 150	150	114						
SCVS - 200	200	154						
SCVS - 250	250	200						
SCVS - 300	300	230						
					16 BAR	100°C		

FLUID / STEAM



Disc Check • SS316 Body • Wafer • Metal Seat							SDC	
SDC - 15	15	WAFER	0.1 BAR Depending on Valve Size	40 BAR	-20°C	Body: CF8M	Wafer Design	
SDC - 20	20						Disc: CF8M	High Temp
SDC - 25	25						Spring: SS316	High Pressure
SDC - 32	32						Metal to Metal Seat	Metal to Metal Seat
SDC - 40	40							Reduced Flow
SDC - 50	50							
SDC - 65	65							Media: Fluid/Steam
SDC - 80	80							
SDC - 100	100							
SDC - 125	125							DIN 3202-K4
SDC - 150	150							Face to Face
SDC - 200	200					40 BAR	180°C	

FLUID / PETROCHEMICAL Duo Check • SS316 Body • Wafer



AL Duo Check • SS316 Body • Wafer							DCVS	
DCVS - 50	50	WAFFER	0.1 BAR Depending on Valve Size	16 BAR	-20°C	Body: CF8M	CF8M	
DCVS - 80	80					Disc: CF8M	ENS 584 design	
DCVS - 100	100					Pins: SS316	DIN 3202-K3	
DCVS - 125	125					Seat: FKM (Viton)	Face to Face	
DCVS - 150	150						ANSI 150 / PN16	
DCVS - 200	200						Media: Fluid/ Petrochemical	
DCVS - 250	250							
DCVS - 300	300					16 BAR	100°C	

STEAM / FLUID / PETROCHEMICAL Swing Check • SS316 Body • ANSI 150



CHEMICAL Swing Check • SS316 Body • ANSI 150							SCFS
SCFS - 50	50	ANSI 150	0.1 BAR Depending on Valve Size	20 BAR	0°C	Body: CF8M	CF8M
SCFS - 80	80					Disc: CF8M	API 598 design
SCFS - 100	100					Pins: SS316	ASME B16.10
SCFS - 125	125					Gasket: Flexible	ASME B16.5 ends
SCFS - 150	150					Graphite/316	API 598 test
SCFS - 200	200						Media: Fluid/Steam
SCFS - 250	250						
SCFS - 300	300					20 BAR	200°C

AIR / WATER



Duo Check • Cast Iron Body & Wafer								DCVC
DCVC - 50	50	43	WAFER	0.1 BAR Depending on Valve Size	16 BAR	-10°C	Body: Cast Iron Disc: CF8M Seat: EPDM Coating: FBE Reduced Flow	Wafer Design Twin Disc to give greater opening ASTM A126 Body ASTM A370 Disc API 598 Test AS 2128 TE ANSI 150
DCVC - 65	65	60						
DCVC - 80	80	66						
DCVC - 100	100	90						
DCVC - 125	125	116						
DCVC - 150	150	144						
DCVC - 200	200	198						
DCVC - 250	250	233						
DCVC - 300	300	283						
DCVC - 400	400	381						
DCVC - 450	450	419						
DCVC - 500	500	467						
DCVC - 600	600	572						
					16 BAR	80°C NBR		Wafer

AIR / WATER / STEAM



Ball Check • Ductile Iron Body • Table E							BCV	
BCV - 50	50	TABLE E	0.3 - 16 BAR	16 BAR	10°C	Body: Ductile Iron	Self Cleaning Flanged	
BCV - 65	65		TABLE E	0.3 - 16 BAR	16 BAR	10°C	Body: Ductile Iron	Self cleaning seat
BCV - 80	80							
BCV - 100	100							
BCV - 125	125							
BCV - 150	150							
BCV - 200	200							
BCV - 250	250							
BCV - 300	300							
BCV - 400	400							
BCV - 500	500							
						Fastening: SS304	Table E	
						Coating: FBE		

Check Valve

AIR / WATER



Model	Nominal Bore ømm	Connection	Nominal Cracking Pressure - Water	Maximum Back Pressure - Water	Media Temperature	Material of Construction	Features		
Flex Check • Ductile Iron Body • Table E					FCVC		FCVC		
FCVC - 50	50	TABLE E	0.1 BAR Depending on Valve Size	16 BAR	-20°C	Body: Ductile Iron	Table E		
FCVC - 65	65						Disc: Ductile Iron/EPDM Bonding	ASTM A536 Body EPDM Seat API 598 Test	
FCVC - 80	80						Gasket: EPDM		
FCVC - 100	100						Hinge: EPDM		
FCVC - 125	125						Coating: FBE		
FCVC - 150	150								
FCVC - 200	200								
FCVC - 250	250								
FCVC - 300	300								
FCVC - 350	350								
FCVC - 400	400					16 BAR	80°C		

WATER / EFFLUENT



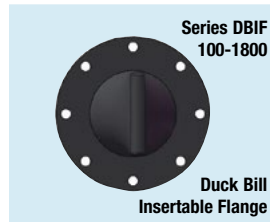
Duck Bill Valve • Reinforced Rubber • External Flanged							DBFS
DBFS - 100	100	Flange type (table) must be specified at time of ordering	From 50mm Head depending on size	Up to 2m depending on size	0°C	Outer: Fabric Braided Neoprene	Low Head Loss Reliable Backflow Prevention Corrosion Resistant UV Stable
100mm to 2000mm						Backing Ring: SS316	
DBFS - 2000	2000				60°C	Sizes Customised to Customer Requirements	

WATER / EFFLUENT



Duck Bill Valve • Reinforced Rubber • Slip-On							DBSS
DBSS - 100	100	Pipe outside Diameter (O.D.) must be specified at time of ordering	From 50mm Head depending on size	Up to 2m depending on size	0°C	Outer: Fabric Braided Neoprene	Low Head Loss Reliable Backflow Prevention Corrosion Resistant UV Stable Optional flat side valve for low pipes
100mm to 2000mm						Clamping Rings: SS316	
DBSS - 2000	2000				60°C	Sizes Customised to Customer Requirements	

WATER / EFFLUENT



Duck Bill Valve • Reinforced Rubber • Insertable Flanged							DBIF
DBIF - 100	100	Flange type (table) must be specified at time of ordering	From 50mm Head depending on size	Up to 2m depending on size	0°C	Outer: Fabric Braided Neoprene	Low Head Loss Reliable Backflow Prevention Corrosion Resistant
100mm to 1800mm						Sizes Customised to Customer Requirements	
DBIF - 1800	1800				60°C		

Used for flood mitigation and backflow prevention of contaminated fluids

Strainer

AIR / FLUID / AQUACULTURE Y Strainer • PVC



Model	Nominal Bore mm	Connection	Mesh	Media Pressure	Media Temperature	Material of Construction	Features
YSP							YSP
YSP - 04	15	SOCKET WELD SCHEDULE 80	20	10 BAR	Ambient	UPVC Body	Solvent Weld Schedule 80
YSP - 05	20					Seats: EPDM	
YSP - 06	25						
YSP - 07	32						
YSP - 08	40						
YSP - 09	50						
YSP - 10	65						
YSP - 11	80						
YSP - 12	100				Ambient	Mesh: Nylon	

AIR / FLUID



Y Strainer - Brass • BSP							YSR
YSB - 04	15	1/2	18	16 BAR	-20°C	Body: Brass	Economical Strainer
YSB - 05	20	3/4				Screen: SS304	
YSB - 06	25	1					
YSB - 07	32	1-1/4					
YSB - 08	40	1-1/2					
YSB - 09	50	2					
YSB - 11	75	3	18	16 BAR	150°C		

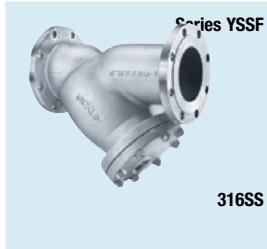
Strainer

AIR / FLUID / STEAM



Model	Nominal Bore ømm	Connection	Mesh	Media Pressure	Media Temperature	Material of Construction	Features
Y Strainer - SS316 • BSP							YSS
YSS - 04	15	1/2	18	800 PSI	-20°C	Body: CF8M	Removes Coarse Particles
YSS - 05	20	3/4	18	800 PSI	-20°C	Mesh: SS316	CF8M Body
YSS - 06	25	1	18	800 PSI	-20°C	Gasket: PTFE	S304 Mesh
YSS - 07	32	1-1/4	18	800 PSI	-20°C		
YSS - 08	40	1-1/2	18	800 PSI	-20°C		
YSS - 09	50	2	18	800 PSI	-20°C		
YSS - 11	80	3	18	800 PSI	-20°C		
YSS - 12	100	4	18	54 BAR	200°C		

AIR / FLUID / STEAM



Y Strainer • 316SS • ANSI 150						YSSF	
YSSF - 25	25	ANSI150	14	1964Kpa @ -29 to 35 deg C	260 deg C @ 1171 Kpa	Body: CF8M / SS316 Screen: SS316 Gasket: Flexible Graphite/ SS304	ASTM A351-CF8M ASTM B16.34 design ASME B16.5 ends API 598 test
YSSF - 32	32		14				
YSSF - 45	45		14				
YSSF - 50	50		14				
YSSF - 65	65		14				
YSSF - 80	80		14				
YSSF - 100	100		10				
YSSF - 125	125		10				
YSSF - 150	150		10				
YSSF - 200	200		10				
Also available up to 600mm							

AIR / FLUID



Y Strainer • Ductile Iron • Table E							YSCF
YSCF - 50	50	Table E	10	16 BAR	-20°C	Body: Cast Iron	High Flow Economical
YSCF - 65	63		10	16 BAR	-20°C	Screen: SS304	ASTM536 Body
YSCF - 80	80		7	16 BAR	-20°C	FBE Coating	ASTMA370 Screen
YSCF - 100	100		7	16 BAR	-20°C		EPDM Gasket
YSCF - 125	125		7	16 BAR	-20°C		API 598 Test
YSCF - 150	150		4	16 BAR	-20°C		
YSCF - 200	200		4	16 BAR	-20°C		
YSCF - 250	250		4	16 BAR	-20°C		
YSCF - 300	300		4	16 BAR	-20°C		
YSCF - 350	350		4	16 BAR	-20°C		
YSCF - 400	400		4	16 BAR	-20°C		
YSCF - 500	500		4	16 BAR	-20°C		
YSCF - 600	600		4	16 BAR	90°C		

AIR / FLUID



Basket Strainer • Ductile Iron • Table E							BSC
BSC - 50	50	Table E	10	16 BAR	-20°C	Body: Cast Iron	High Flow Economical
BSC - 63	63		10	16 BAR	-20°C	Screen: SS304	
BSC - 80	80		7	16 BAR	-20°C	FBE Coating	
BSC - 100	100		7	16 BAR	-20°C		
BSC - 125	125		7	16 BAR	-20°C		
BSC - 150	150		4	16 BAR	-20°C		
BSC - 200	200		4	16 BAR	-20°C		
BSC - 250	250		4	16 BAR	-20°C		
BSC - 300	300		4	16 BAR	-20°C		
BSC - 400	400		4	16 BAR	-20°C		
BSC - 500	500		4	16 BAR	-20°C		
BSC - 600	600		4	16 BAR	90°C		

AIR / FLUID / STEAM



Y Strainer • Carbon Steel • ANSI 150 • ANSI 300							YSWF
YSWF - 50	50		40	1964Kpa @ -29 to 35 deg C	260 deg C @ 1171 Kpa	Body: Cast Steel	ASTM A234-WPB
YSWF - 65	65		40			Screen: SS304 #40	ASTM A105
YSWF - 80	80		40			Gasket: Flexible Graphite/SS304	ASTM B16.34 design
YSWF - 100	100		40			Coating: Silver Primer	ASME B16.10
YSWF - 125	125		40				ASME B16.5 ends
YSWF - 150	150		40				API 598 test
YSWF - 200	200		40				
YSWF - 250	250		40				
YSWF - 300	300		40				
Also available up to 600mm • Optional Class 300							

AIR / FLUID / STEAM



Basket Strainer • Carbon Steel • ANSI 150						BSW	
BSW - 50	50	ANSI 150 RF	40	1964Kpa @ -29 to 35 deg C	260 deg C @ 1171 Kpa	Body: Carbon Steel	ASTM A234-WPB
BSW - 63	63		ASTM A105				
BSW - 80	80		ASTM B16.34				
BSW - 100	100		design				
BSW - 125	125		ASME B16.10				
BSW - 150	150		ASME B16.5 ends				
BSW - 200	200		API 598 test				
BSW - 250	250						
BSW - 300	300		40				
Also available up to 600mm							

**Pressure Reducing Valves
Bellows Sealed Globe Valve**

**Pressure
Reducing**

Model	Port Size	Connection	Description	Pressure	Temp	Features
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Ductile Iron Piston Operated Pressure Reducing Valve • Steam

GP-1010



Series GP

GP-1010-04 GP-1010-05 GP-1010-06 GP-1010-07 GP-1010-08 GP-1010-09	1/2" 3/4" 1" 1-1/4" 1-1/2" 2"	BSPT BSPT	Ductile Iron Pressure Reducing Valve Ductile Iron Pressure Reducing Valve	0.5~9 Bar 0.5~9 Bar	0°C 220°C	- Ductile Iron Body - BSPT Connection - Pilot Operated Piston Type - Max 20:1 Pressure Reduction Ratio
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Ductile Iron Diaphragm Operated Pressure Reducing Valve • Steam

GP-2000



Series GP

GP-2000*-04 GP-2000*-05 GP-2000*-06 GP-2000*-07 GP-2000*-08 GP-2000*-09	1/2" 3/4" 1" 1-1/4" 1-1/2" 2"	BSPT BSPT	Ductile Iron Diaphragm Operated Pressure Reducing Valve Ductile Iron Diaphragm Operated Pressure Reducing Valve * Multiple Pressure Ranges Available A, B, C. A = 0.2-1.5 Bar, B = 1-14 Bar, C = 13-17 Bar	0.2 Bar 17 Bar	0°C 220°C	- Ductile Iron Body - BSPT Connection - Pilot Operated Diaphragm Type - Max 20:1 Pressure Reduction Ratio - Optional Pressure Ranges
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Ductile Iron Flanged Diaphragm Operated Pressure Reducing Valve • Steam

GP-2000F



Series GP

GP-2000F*-050 GP-2000F*-065 GP-2000F*-080 GP-2000F*-100 GP-2000F*-125 GP-2000F*-150 GP-2000F*-200	50mm 65mm 80mm 100mm 125mm 150mm 200mm	ANSI 150 Flanged	Ductile Iron Diaphragm Operated Pressure Reducing Valve Ductile Iron Diaphragm Operated Pressure Reducing Valve * Multiple Pressure Ranges Available A, B, C. A = 0.2-1.5 Bar, B = 1-14 Bar, C = 13-17 Bar	0.2 Bar 17 Bar	0°C 220°C	- Ductile Iron Body - BSPT Connection - Pilot Operated Diaphragm Type - Max 20:1 Pressure Reduction Ratio - Optional Pressure Ranges
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Bronze Pressure Reducing Valve • Steam

GD-30



Series GD

GD-30*-04 GD-30*-05 GD-30*-06	1/2" 3/4" 1"	BSPT BSPT	Bronze Pressure Reducing Valve Bronze Pressure Reducing Valve * Multiple Pressure Ranges Available A, B, C. A = 0.2-1.5 Bar, B = 1-14 Bar, C = 13-17 Bar	0.2 Bar 17 Bar	0°C 210°C	- Bronze Body - Direct Acting Type - BSPT Connection - Max 10:1 Pressure Reduction Ratio - Optional Pressure Ranges
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Bronze Pressure Reducing Valve • Hot & Cold Water

GD-24



Series GD

GD-24-04 GD-24-05 GD-24-06 GD-24-07 GD-24-08 GD-24-09	1/2" 3/4" 1" 1-1/4" 1-1/2" 2"	BSPT BSPT	Bronze Pressure Reducing Valve Bronze Pressure Reducing Valve	0.5 Bar 5 Bar	0°C 080°C	- Bronze Body - Direct Acting Type - BSPT Connection - For 0°C to 80°C Water Applications
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Bellow Sealed Globe Valve • Hot & Cold Water • Steam

BSV-2EN



Series BSV-2EN

BSV-2EN-015 BSV-2EN-020 BSV-2EN-025 BSV-2EN-032 BSV-2EN-040 BSV-2EN-050 BSV-2EN-065 BSV-2EN-080 BSV-2EN-100	15mm 20mm 25mm 32mm 40mm 50mm 65mm 80mm 100mm	Flanged DIN	Ductile Iron Flanged Bellows Seated Globe Valve Ductile Iron Flanged Bellows Seated Globe Valve	16 Bar 16 Bar	0°C 300°C	- Ductile Iron Body - PN16 Flanged Ends - Stainless Steel Internals - Non Rising Hand Wheel - Zero leakage by two-stage sealing - Extremely low torque and Maintenance free
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Steam Traps

Steam Traps

Model	Port Size	Connection	Description	Pressure	Temp	Features
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Inverted Bucket Traps - Ductile Iron / Screwed BSPT • Condensate

TB-20

TB-20-04 TB-20-05 TB-20-06	1/2" 3/4" 1"	BSPT BSPT	Ductile Iron Inverted Bucket Steam Trap Ductile Iron Inverted Bucket Steam Trap * Multiple Pressure Ranges Available A, B, C, D. A = 0.1-3 Bar, B = 2-6 Bar, C = 3-10 Bar, D = 6-16 Bar	0.1 Bar 16 Bar	0°C 220°C	- Ductile Iron Body - Inverted Bucket Type Trap - BSPT Connection - Integral Strainer - Stainless Steel Internal Parts
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Float SteamTraps - Ductile Iron / Screwed BSPT • Condensate

TSF-8-21

TSF-8-21-04 TSF-8-21-05	1/2" 3/4"	BSPT BSPT	Ductile Iron Float Steam Trap Ductile Iron Float Steam Trap	0.1~21 Bar 0.1~21 Bar	0°C to 220°C	- Ductile Iron Body - Float Type Trap - BSPT Connection - Various Installation Angles Achievable - Incorporated Thermostatic Air Vent
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Float SteamTraps - Ductile Iron / Screwed BSPT • Condensate

TSF-11-21

TSF-11-21-06 TSF-11-21-07 TSF-11-21-08 TSF-11-21-09	1" 1-1/4" 1-1/2" 2"	BSPT BSPT	Ductile Iron Float Steam Trap Ductile Iron Float Steam Trap	0.1~21 Bar 0.1~21 Bar	0°C 220°C	- Ductile Iron Body - Float Type Trap - BSPT Connection - Various Installation Angles Achievable - Incorporated Thermostatic Air Vent
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Thermodynamic Steam Trap - Ductile Iron / Screwed BSPT • Condensate

TD-10NA

TD-10NA-04 TD-10NA-05 TD-10NA-06	1/2" 3/4" 1"	BSPT BSPT	Ductile Iron Thermodynamic Steam Trap Ductile Iron Thermodynamic Steam Trap	0.35~20 Bar 0.35~20 Bar	0°C 220°C	- Ductile Iron Body - Thermodynamic Disk Type Trap - BSPT Connection - Bi-Metal Ring & Integral Strainer
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Thermodynamic Steam Trap - Stainless Steel / Screwed BSPT • Condensate

TSD

TSD-42-04 TSD-42-05 TSD-42-06	1/2" 3/4" 1"	BSPT BSPT	Stainless Steel Thermodynamic Steam Trap Stainless Steel Thermodynamic Steam Trap	0.35~42 Bar 0.35~42 Bar	0°C 425°C	- SCS2A Body - Thermodynamic Disk Type Trap - BSPT Connection - Bi-Metal Ring & Integral Strainer
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- Additional Products:**
- TSF-12 High Capacity. 1 1/2", 2" BSPT. Multiple Pressure Ranges. 200°C. Horizontal Flow Installation.
 - TSF-13 Extra High Capacity. 1 1/2", 2" BSPT. ANSI 150, ANSI 300, PN16, PN25. 220°C. Multiple Pressure Ranges Available. Horizontal Flow Installation.
 - TFA-2000 Pump Assist Trap 1"
 - PF-2000 Pressure Powered Pump 1"
 - PF-7000 Pressure Powered Pump 1" - 1 1/2"x1 1/2" - 2"x2" - 3"x2"

Ancillary

Model	Port Size	Connection	Description	Pressure	Temp	Features
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Bronze Temperature Regulator-Screwed BSPT • Hot Water & Steam

OB-30



Series OB

OB-30-04 OB-30-05 OB-30-06	1/2" 3/4" BSPT 1" BSPT	BSPT BSPT	Bronze Temperature Regulator Bronze Temperature Regulator	10 Bar Steam 17 Bar Water	Max. Temp. 185°C	- Bronze Body - External Pressurised Bellows - BSPT Connection - Direct Acting
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Temp Sensors-2mtr Capillary Length • Hot Water & Steam

OB-30



Series OB

OB-30-Temp 1 OB-30-Temp 2 OB-30-Temp 3 OB-30-Temp 4 OB-30-Temp 5			Sensor for OB-30 Sensor for OB-30	↑ Max. Bulb Pressure 10 Bar ↓	0~35°C 25~70°C 40~100°C 60~130°C 150°C	- Copper (Nickel Plated Chrome) - 2m Capillary Length - Max Bulb Pressure of 10 Bar
OB-30-TW			Thermowell for OB-30 Temperature Probe			

Drain Separator Ductile Iron / Screwed BSPT • Condensate

DS-1



Series DS

DS-1-06 DS-1-07 DS-1-08 DS-1-09	1" 1-1/4" 1-1/2" 2"	BSPT BSPT	Ductile Iron Drain Separator Ductile Iron Drain Separator	20 Bar 20 Bar	0°C 220°C	- Ductile Iron - BSPT Connection - 0°C to 220°C Temperature Range - 0 to 20 Bar (Steam), 0 to 10 Bar (Air)
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Drain Separator Ductile Iron / Flange • Condensate

DS-2



Series DS

DS-2-50 DS-2-65 DS-2-80 DS-2-100	50mm 65mm 80mm 100mm	↑ DIN PN16 Flange ↓	Ductile Iron Drain Separator Ductile Iron Drain Separator	20 Bar 20 Bar	0°C 220°C	- Ductile Iron - Flange Connection - 0°C to 220°C Temperature Range - 0 to 20 Bar (Steam), 0 to 10 Bar (Air)
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Sight Glass Flap type-Ductile Iron-Screwed BSPT • Condensate

SF-1S



Series SF

SF-1S-04 SF-1S-05 SF-1S-06 SF-1S-07 SF-1S-08 SF-1S-09	1/2" 3/4" 1" 1-1/4" 1-1/2" 2"	BSPT BSPT	Ductile Iron Flap Type Sight Glass Ductile Iron Flap Type Sight Glass	10 Bar 10 Bar	0°C 150°C	- Ductile Iron - Flap Type Sight Glass - 0 to 10 Bar Pressure Range - 0°C to 150°C Temperature Range - Maximum Thermo/Shock 100°C
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Ductile Iron Air Vent

TA-3



Series TA

TA-3-04 TA-3-05 TA-3-06	1/2" 3/4" 1"	BSPT BSPT	Ductile Iron Air Vent Valve Ductile Iron Air Vent Valve	0.1~10 Bar 0.1~10 Bar	0°C 90°C	- Ductile Iron - Large Capacity & Compact Design - Tight Seal & Easy Maintenance
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Steam Trap Checker

STC-1



Series STC

STC-1			Digital Steam Trap Checker	- Speedy Diagnosis with multiple operating modes and functions including Automatic Diagnosis - 0.5 to 80 Bar Working Pressure and 0 to 300°C Surface Temperature Range - Large Backlit LCD Screen for easy reading along with LED for diagnosis results		
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Pressure Relief



Series BPRC

Normally Closed

Model	Inlet Connection BSP	Outlet Connection BSP	Description	Pressure	Temp	Features
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Bronze Pressure Relief • Closed Cap • SS316 Trim

BPRC

BPRC- 04	1/2"	1/2"	Bronze Body / SS316 Internals RTFE Seat	1.0 Bar	-40°C	Closed Cap. Adjustable.
BPRC- 05	3/4"	3/4"				
BPRC- 06	1"	1"				
BPRC- 07	1-1/4"	1-1/4"	* See below for pressure range options			Oil, Air, Water, Steam
BPRC- 08	1-1/2"	1-1/2"	All valves preset at 10 Bar	20 Bar	180°C	
BPRC- 09	2"	2"				



Series BPRL

Normally Closed

Bronze Pressure Relief • Lever • SS316 Trim

BPRL

BPRL- 04	1/2"	1/2"	Bronze Body / SS316 Internals RTFE Seat	1.0 Bar	-40°C	Open Cap. Lever Override. Adjustable.
BPRL- 05	3/4"	3/4"				
BPRL- 06	1"	1"				
BPRL- 07	1-1/4"	1-1/4"	* See below for pressure range options			Oil, Air, Water, Steam
BPRL- 08	1-1/2"	1-1/2"	All valves preset at 10 Bar	20 Bar	180°C	
BPRL- 09	2"	2"				

* Setting Ranges (Spring Sets):
for above Series BPRC & BPRL

1/2" BSP	1-3 Bar, 3-5 Bar, 5-15 Bar (std), 7-23 Bar
3/4" BSP	2-5 Bar, 5-16 Bar (std), 7-22 Bar
1" BSP	2-5 Bar, 4-15 Bar (std), 14-24 Bar
1 1/4" BSP	1-3 Bar, 3-13 Bar (std), 12-20 Bar
1 1/2" BSP	1-4 Bar, 3-11 Bar (std), 9-22 Bar
2" BSP	1-8 Bar, 4-12 Bar (std), 12-23 Bar



Series FGX

Normally Closed

Stainless Steel Pressure Relief • Closed Cap • SS316 Trim

FGX

FGX- 04	1/2"	1"	SS316 Body / SS316 Trim RTFE Seat	1.0 Bar	-40°C	Closed Cap. Adjustable.
FGX- 05	3/4"	1"				
FGX- 06	1"	1"				
FGX- 07	1-1/4"	2"	Setting range:			Oil, Air, Water, Steam
FGX- 08	1-1/2"	2"	1-5 Bar, 4-12 Bar (std), 12-20 Bar	20 Bar	180°C	
FGX- 09	2"	2"	All valves preset at 10 Bar			



Series FGXL

Normally Closed

Stainless Steel Pressure Relief • Lever • SS316 Trim

FGXL

FGXL- 04	1/2"	1"	SS316 Body / SS316 Trim RTFE Seat	1.0 Bar	-40°C	Open Cap. Lever Override. Adjustable.
FGXL- 05	3/4"	1"				
FGXL- 06	1"	1"				
FGXL- 07	1-1/4"	2"	Setting range:			Oil, Air, Water, Steam
FGXL- 08	1-1/2"	2"	1-5 Bar, 4-12 Bar (std), 12-20 Bar	20 Bar	180°C	
FGXL- 09	2"	2"	All valves preset at 10 Bar			

Vacuum Breaker Breather



Series VBS

Model	Port Size BSP	Description	Pressure	Temp	Features
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Stainless Steel Vacuum Breaker • Anti-Slip Handle • SS316

VBS

VBS - 04	1/2"	SS316 Body. FKM Seat / Seal Install vertically with connection down.	0.1-16 Bar	-20°C to 180°C	Permits air to enter the system with the pressure drop avoiding a vacuum internally.
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Series AVS

Stainless Steel Air Vent • SS316

AVS

AVS - 04	1/2"	SS316 Body. FKM Seat / Seal	0.1	-20°C	Float valve allows trapped air to vent.
AVS - 05	3/4"		16 Bar	180°C	
AVS - 06	1"				



Steam Boiler

Model	Sizes	Description	Features
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Water Flange Level Gauges for Boilers

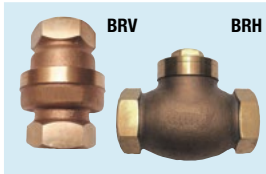
WGMF, WGMS



WGMF - Level Gauge Flanged WGMS - Level Gauge Screwed	20mm ANSI 150/300, Table H PN16 Screwed 1/2" or 3/4" BSP	Glass Special Lengths Ex Stock.	AS1271-1997 Section 5. To AB12. Left or Right Hand Options. Self Closing Safety Ball and Isolating Valves Standard.
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Bronze Lift Check

BRH, BRV



BRV Vertical Lift Check BRH Horizontal Lift Check	1/2" - 2" BSP 1/2" - 2" BSP	Bronze Vertical Lift Check Bronze Horizontal Lift Check 250psi (16BAR)/ 225°C	Bronze (IBR 828 (a) (iv) GR.B. Body & Bonnets Body Seat Ring & Disc Stainless Steel ASI-410 Guide Plug Disc Types
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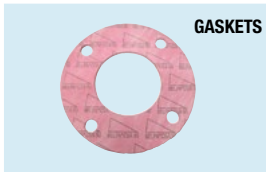
Water Level Gauges - High Pressure

LEVCO, REFLEV



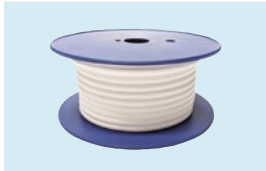
Level Gauges	25mm ANSI 150, ANSI 300 Table H & Undrilled 16mm End Tube	Gauge Mounts Reflex and Transparent Level Gauges. Glass Sight Gauges. Mica Protection	Left Hand or Right Hand
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Jointing & Gasket Materials



Gasket Sheetting Cut Gaskets	Various Grades & Flange Sizes.	Synthetic Rubber Nitrile Bonded Cork Neoprene Bonded Cork Engineered Compressed Graphite Expanded PTFE	Large Range Available.
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Graphite Gland Packing



PTFE Packing Graphite Packing	Various Options including FDA Approval. Pure PTFE Filament with PTFE Dispersion. PTFE Yarns with Encapsulated Graphite. Synthetic Filaments with PTFE Lube. Synthetic Filaments with Graphite Lube. Packing Removal Tools.	8m Rolls 1m Handy Packs 4-25mm Square
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Lagging Tapes & Rope

TAPE



Fibreglass Woven Tape.	Various Sizes	25mm - 100mm Width	30m Lengths
Fibreglass Ladder Tape	Various Sizes	25mm - 75mm Width	30m Lengths
Fibreglass Lagging Rope	Various Sizes	12mm - 50mm	Various Lengths

- Boiler Door Gaskets - 3 x 2 x 5/8" to 16 x 12 x 1/4"
- Packing Extractors - 1/8" to 5/8"
- PTFE Joint Sealant - 3.2mm to 50mm
- AB Packing Sleeves - AB10 to AB22
- Gauge Cones

Switch

PRESSURE SWITCH



Model	Description	Connection	Function
IP65			
PSM2R14AP PSM10R14APS PSM50R14S PSM100R14S	Brass Brass Brass Brass	0.2-2 Bar 1-10 Bar 10-50 Bar 10-100 Bar	1/4" BSP (Parallel) with O'Ring Seal
PSP150R14S PSP300R14S	SS316 SS316	30-150 Bar 50-300 Bar	
VSM1R14 VSM2R14	Brass Brass	100-500 mBar (VAC) 500-900 mBar (VAC)	
PSMPSP	DIN Plug	4 PIN Connector Plug	
			ISO Square Plug
			S.P.D.T. (NC or NO) 6Amp (res) 2 Amp (Inductive) 240V AC Max IP65 30% Full Scale Hysteresis
			Membrane - NBR - Standard Viton Silicone EPDM Stainless Steel

Plug

CONNECTOR PLUG



Square 28x28mm DIN 43650A • IP65

Model	Description	Gromet (ID mm)	Cable Gland	Voltage Range	Pin Details
DPSL - 6 - H - PG11 DPSL - 6 - L - PG11	LED Illuminated LED Illuminated	6 6	PG11 PG11	70 ~ 250v AC/DC 10AMP 10 ~ 50v AC/DC 10AMP	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 10AMP 0 ~ 60v AC/DC 10AMP	
DPSR - 6 - H - PG11 DPSR - 6 - L - PG11	Rectifier Plug Rectifier Plug	6 6	PG11 PG11	110/240v AC ~ 110/240v DC 1.5AMP 12/24v AC ~ 12/24v DC 1.5AMP	
DPSB - 6 - 2E - PG11 DPSB - 6 - 3E - PG11	Plain Black Plain Black	6 6	PG11 PG11	0 ~ 415v AC/DC 10AMP 0 ~ 415v AC/DC 10AMP	2 Pin + Earth 3 Pin + Earth

POWER SAVER



Square 28x28mm DIN 43650A • IP65

Power Saving up to 70% – Lower Coil Temperature					
DPPS - 6 - 1 - PG11 DPPS - 6 - 8 - PG11	Power Saving - Lower Temp Power Saving - Lower Temp	6 6	PG11 PG11	240v AC 0.4 AMP 24v DC 1.5AMP	2 Pin + Earth 2 Pin + Earth
Great for applications where a coil is energised for long periods of time and temperature / enclosure becomes an issue.					

CONNECTOR PLUG



Rectangle 20x28mm DIN 43650B • IP65

Model	Description	Gromet (ID mm)	Cable Gland	Voltage Range	Pin Details
DPRL - 6 - H - PG9 DPRL - 6 - L - PG9	LED Illuminated LED Illuminated	6 6	PG9 PG9	70 ~ 250v AC/DC 10AMP 10 ~ 50v AC/DC 10AMP	2 Pin + Earth 2 Pin + Earth
					9.4mm Pin Spacing
DPRB - 6 - PG9	Plain Black	6	PG9	10 ~ 250v AC/DC 10AMP	2 Pin + Earth 11mm Pin Spacing

CONNECTOR PLUG



Mini Plug 15x15mm DIN 43650C • IP65

Model	Description	Gromet (ID mm)	Cable Gland	Voltage Range	Pin Details
DPML - 4 - H - PG7 DPML - 4 - L - PG7	LED Illuminated LED Illuminated	4 4	PG7 PG7	70 ~ 250v AC/DC 6AMP 10 ~ 50v AC/DC 6AMP	2 Pin + Earth 9.4mm Pin Spacing

CONNECTOR PLUG



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

Model	Description	Pin Details
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 45) 10AMP	2 Pin + Earth

Timer

TIMERS



Digital. Programmable 0.1 Sec - 99 Hours • IP65					EMD
Model	Description	Connection	Function		
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 0.1 Sec - 99 Hrs Single Shot OFF 0.1 Sec - 99 Hrs Max Current 1 Amp		

TIMERS



Analog. External Knob Adjustment • IP65					TEC
Model	Description	Connection	Function		
Blow Down Cycle Timer TEC - 22A	Cycle Timer 24 - 240V AC/DC	Square Plug IP65	ON 0.5 - 10 Sec	OFF 0.5 - 45 min	
			Max Current 1 Amp		

Timer Drain

TIMER / DRAIN VALVE



CRD - c/w Integral Y Strainer and Ball Valve • IP65					CRD
Model	Pressure Range	Description	Connection	Function	
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 Voltages:- 240vAC (Standard) 24vAC 110vAC 24vDC IP65	Body: Brass Seats: Viton Operator: Brass & Stainless Steel	Air (Compressed Air Condensate) Manual Test Cycle. LED Indicator. Direct Acting
Optional Flex & 3 pin plug 240VDC. 1.5m		0.5 - 10 SECS ON 1 - 45 MINS OFF ADJUSTABLE			
Contact Factory for 12VDC Supply Option					

TIMER / DRAIN VALVE



CRD - c/w Separate Y Strainer and Ball Valve • IP65					CRD
Model	Pressure Range	Description	Connection	Function	
CRD - 4 - 4.5 - *VY CRD - 4 - 2.8 - *VY CRD - 4 - 1.9 - *V	16 BAR 40 BAR 80 BAR	Value & Timer combination for condensate removal from air systems. Seperate Isolation Ball Valve and Strainer	1/2" BSP 1/2" BSP 1/2" BSP Voltages:- 240vAC (Standard) 24vAC 110vAC 24vDC IP65	Body: Brass Seats: Viton Operator: Brass & Stainless Steel	Air (Compressed Air Condensate) Manual Test Cycle. LED Indicator. Direct Acting
Optional Flex & 3 pin plug 240VDC. 1.5m		0.5 - 10 SECS ON 1 - 45 MINS OFF ADJUSTABLE			
Contact Factory for 12VDC Supply Option					

Gauges

DIAL GAUGE

Series GAU



63mm

DIAL GAUGE

Series GAU



100mm

DIAL GAUGE

Series GAU



100mm

DIAL GAUGE

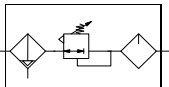
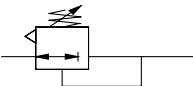
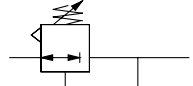
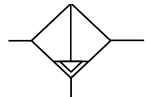
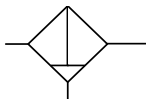
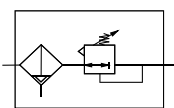
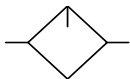
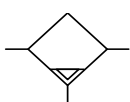
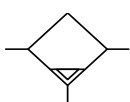
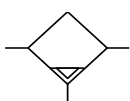
Series GAU



150mm

Bottom Entry	Rear Entry	Features
63mm SS304 Case 1/4" BSPT • Brass Internals • Liquid Filled		
Bottom Entry (Kpa) GAU63B ~ 100V (-100 Kpa / 30"Hg) GAU63B ~ 100 (100 Kpa / 15 psi) GAU63B ~ 100C1 (-100 Kpa to 100 Kpa) GAU63B ~ 100C16 (-100 Kpa to 1600 Kpa) GAU63B ~ 200 (200 Kpa / 30 psi) GAU63B ~ 400 (400 Kpa / 60 psi) GAU63B ~ 600 (600 Kpa / 90 psi) GAU63B ~ 800 (800 Kpa / 110 psi) GAU63B ~ 1000 (1000 Kpa / 140 psi) GAU63B ~ 1600 (1600 Kpa / 230 psi) GAU63B ~ 2500 (2500 Kpa / 360 psi) GAU63B ~ 4000 (4000 Kpa / 580 psi) GAU63B ~ 250B (250 BAR / 3600 psi) Hydraulic Connection 1/4" BSPP c/w Snubber GAU63B ~ 400B (400 BAR / 5800 psi) Hydraulic Connection 1/4" BSPP c/w Snubber Options: Gauge Guard • Heat Shield • Gauge Cock • Higher Pressure Guages Available	Rear Entry (Kpa) c/w Panel Mounting Clamp GAU63R ~ 100V (-100 Kpa / 30"Hg) GAU63R ~ 100 (100 Kpa / 15 psi) GAU63R ~ 100C1 (-100 Kpa to 100 Kpa) GAU63R ~ 100C16 (-100 Kpa to 1600 Kpa) GAU63R ~ 200 (200 Kpa / 30 psi) GAU63R ~ 400 (400 Kpa / 60 psi) GAU63R ~ 600 (600 Kpa / 90 psi) GAU63R ~ 800 (800 Kpa / 110 psi) GAU63R ~ 1000 (1000 Kpa / 140 psi) GAU63R ~ 1600 (1600 Kpa / 230 psi) GAU63R ~ 2500 (2500 Kpa / 360 psi) GAU63R ~ 4000 (4000 Kpa / 580 psi) GAU63R ~ 250B (250 BAR / 3600 psi) Hydraulic Connection 1/4" BSPP c/w Snubber GAU63R ~ 400B (400 BAR / 5800 psi) Hydraulic Connection 1/4" BSPP c/w Snubber Accuracy +- 1.6% full scale Working Range:- Steady 3/4 full scale Temperature Ambient/Media Fluctuating 2/3 full scale -20deg.C + 60deg.C Short time full Scale	GAU63 SS304 Case Brass Internals liquid Filled Dual Scale Kpa/PSI Brass Connection 3/8 BSP C/W Panel Mount Bracket (Rear Entry)
100mm SS304 Case 3/8" BSPT • Brass Internals • Liquid Filled		
Bottom Entry (Kpa) GAU100B ~ 100V (-100 Kpa/30"Hg) GAU100B ~ 100C (-100 Kpa to 1600 Kpa) GAU100B ~ 200 (200 Kpa / 30 psi) GAU100B ~ 400 (400 Kpa / 60 psi) GAU100B ~ 600 (600 Kpa / 90 psi) GAU100B ~ 800 (800 Kpa / 110 psi) GAU100B ~ 1000 (1000 Kpa / 140 psi) GAU100B ~ 1600 (1600 Kpa / 230 psi) GAU100B ~ 2500 (2500 Kpa / 360 psi) GAU100B ~ 4000 (4000 Kpa / 580 psi) Options: Gauge Guard • Heat Shield • Gauge Cock • Higher Pressure Guages Available	Rear Entry (Kpa) c/w Panel Mounting Clamp GAU100R ~ 100V (-100 Kpa/30"Hg) GAU100R ~ 100C (-100 Kpa to 1600 Kpa) GAU100R ~ 200 (200 Kpa / 30 psi) GAU100R ~ 400 (400 Kpa / 60 psi) GAU100R ~ 600 (600 Kpa / 90 psi) GAU100R ~ 800 (800 Kpa / 110 psi) GAU100R ~ 1000 (1000 Kpa / 140 psi) GAU100R ~ 1600 (1600 Kpa / 230 psi) GAU100R ~ 2500 (2500 Kpa / 360 psi) GAU100R ~ 4000 (4000 Kpa / 580 psi) Accuracy +- 1.6% full scale Working Range:- Steady 3/4 full scale Temperature Ambient/Media Fluctuating 2/3 full scale -20deg.C + 60deg.C Short time full Scale	GAU100 SS304 Case Brass Internals liquid Filled Dual Scale Kpa/PSI Brass Connection 3/8 BSP C/W Panel Mount Bracket (Rear Entry)
100mm SS316 Case 3/8" BSPT • Stainless Steel Internals • Liquid Filled		
Bottom Entry (Kpa) GAU100BS ~ 1000 (1000 Kpa / 140 psi) GAU100BS ~ 1600 (1600 Kpa / 230 psi) GAU100BS ~ 2500 (2500 Kpa / 360 psi) Other pressure ranges available Options: Gauge Guard • Heat Shield • Gauge Cock	Rear Entry (Kpa) c/w Panel Mounting Clamp GAU100RS ~ 1000 (1000 Kpa / 140 psi) GAU100RS ~ 1600 (1600 Kpa / 230 psi) GAU100RS ~ 2500 (2500 Kpa / 360 psi) Accuracy +- 1.0% full scale Working Range:- Steady 3/4 full scale Temperature Ambient/Media Fluctuating 2/3 full scale -20deg.C + 60deg.C Short time full Scale	GAU100 SS316 Case Stainless Steel Internals SS316 Connection 3/8 BSP Dual Scale Kpa/PSI Liquid Filled Optional: Mounting Flange Face
150mm SS316 Case 1/2" NPT • Stainless Steel Internals • Liquid Filled		
Bottom Entry c/w Back Mounting Flange GAU150BS ~ 1000 (1000 Kpa / 140 psi) Bottom Entry c/w Back Mounting Flange GAU150BS ~ 2500 (2500 Kpa / 360 psi) Bottom Entry c/w Back Mounting Flange Other pressure ranges available Options: Gauge Guard • Heat Shield • Gauge Cock	GAU150 SS316 Case Stainless Steel Internals SS316 Connection 1/2 NPT Dual Scale Kpa/PSI Liquid Filled • C/W Mounting Flange • Bottom Entry Accuracy +- 1.0% full scale Working Range:- Steady 3/4 full scale Temperature Ambient/Media Fluctuating 2/3 full scale -20deg.C + 60deg.C Short time full Scale	

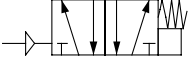
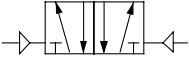
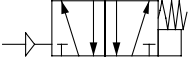
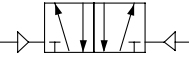
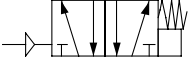
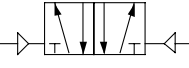
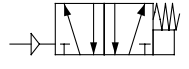
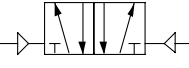
Other Instrumentation Products (Indent Only) Include: • Digital Pressure Gauges
• Digital Temperature Gauges • Digital Pressure Transmitter / Transducer • Flow Meters

Air Service	Symbol	Model	Port Size BSP	Pressure Range	Function	Model Website
FILTER REGULATOR LUBRICATORS (FRL) (5 Micron Filter)						
		FRL-02	1/4	0.5 ~ 8 Bar	FRL with auto drain, gauge & mtg bracket	FRL
		FRL-03	3/8	0.5 ~ 8 Bar	FRL with auto drain, gauge & mtg bracket	
		FRL-04	1/2	0.5 ~ 8 Bar	FRL with auto drain, gauge & mtg bracket	
		FRL-05	3/4	0.5 ~ 8 Bar	FRL with auto drain, gauge & mtg bracket	
		FRL-06	1	0.5 ~ 8 Bar	FRL with auto drain, gauge & mtg bracket	
REGULATORS						
		REG-02	1/4	0.5 ~ 8 BAR	Regulator with mounting bracket & gauge	REG
		REG-03	3/8	0.5 ~ 8 BAR	Regulator with mounting bracket & gauge	
		REG-04	1/2	0.5 ~ 8 BAR	Regulator with mounting bracket & gauge	
		REG-05	3/4	0.5 ~ 8 BAR	Regulator with mounting bracket & gauge	
		REG-06	1	0.5 ~ 8 BAR	Regulator with mounting bracket & gauge	
		REG-08	1 1/2	0.5 ~ 16 BAR	Regulator with gauge	
		REG-09	2	0.5 ~ 16 BAR	Regulator with gauge	HPR
		HPR-02	1/4	5 ~ 35 BAR	High Pressure Regulator	
		HPR-03	3/8	5 ~ 35 BAR	High Pressure Regulator	
		HPR-04	1/2	5 ~ 35 BAR	High Pressure Regulator	
		HPR-05	3/4	5 ~ 35 BAR	High Pressure Regulator	
		HPR-06	1	5 ~ 35 BAR	High Pressure Regulator	
FILTERS						
		FIL-02	1/4	0 ~ 8 BAR	Filter (5 micron) with auto drain & mtg bracket	FIL
		FIL-03	3/8	0 ~ 8 BAR	Filter (5 micron) with auto drain & mtg bracket	
		FIL-04	1/2	0 ~ 8 BAR	Filter (5 micron) with auto drain & mtg bracket	
		FIL-05	3/4	0 ~ 8 BAR	Filter (5 micron) with auto drain & mtg bracket	
		FIL-06	1	0 ~ 8 BAR	Filter (5 micron) with auto drain & mtg bracket	
		FIL-08	1 1/2	0 ~ 8 BAR	Filter (50 micron)	
		FIL-09	2	0 ~ 8 BAR	Filter (50 micron)	HPF
		HPF-02	1/4	0 ~ 36 BAR	High Pressure Filter	
		HPF-04	1/2	0 ~ 36 BAR	High Pressure Filter	
		HPF-05	3/4	0 ~ 35 BAR	High Pressure Filter	
		HPF-06	1	0 ~ 35 BAR	High Pressure Filter	
FILTER REGULATORS (5 Micron filter)						
		FRE-02	1/4	0.5 ~ 8 BAR	Filter Reg with auto drain, mtg bracket & gauge	FRE
		FRE-03	3/8	0.5 ~ 8 BAR	Filter Reg with auto drain, mtg bracket & gauge	
		FRE-04	1/2	0.5 ~ 8 BAR	Filter Reg with auto drain, mtg bracket & gauge	
		FRE-05	3/4	0.5 ~ 8 BAR	Filter Reg with auto drain, mtg bracket & gauge	
		FRE-06	1	0.5 ~ 8 BAR	Filter Reg with auto drain, mtg bracket & gauge	
LUBRICATOR						
		LUB-02	1/4	0.5 ~ 8 BAR	Lubricator	LUB
		LUB-03	3/8	0.5 ~ 8 BAR	Lubricator	
		LUB-04	1/2	0.5 ~ 8 BAR	Lubricator	
		LUB-05	3/4	0.5 ~ 8 BAR	Lubricator	
		LUB-06	1	0.5 ~ 8 BAR	Lubricator	
		LUB-08	1 1/2	0 ~ 8 BAR	Lubricator	
		LUB-09	2	0 ~ 8 BAR	Lubricator	
AUTO DRAIN						
		AUD-04	1/2	1.5 ~ 8 BAR	Auto Drain - Float Type	AUD
		ADV-04	1/2	1.5 ~ 16 BAR	Auto Drain - Ball Type - Heavy Duty	ADV

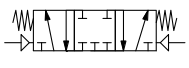
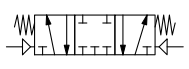
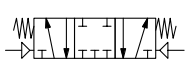
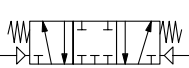
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Air Pilot	Symbol	Model	Port Size BSP	Pressure Range	Function	Model Website
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5/2 - 5 PORTS 2 POSTIONS

		APS52-01	1/8	1.5 ~ 8 BAR	5/2 Pilot Spring	APS52
		APP52-01	1/8	1.5 ~ 8 BAR	5/2 Pilot Pilot	APP52
		APS52-02	1/4	1.5 ~ 8 BAR	5/2 Pilot Spring	APS52
		APP52-02	1/4	1.5 ~ 8 BAR	5/2 Pilot Pilot	APP52
		APS52-03	3/8	1.5 ~ 8 BAR	5/2 Pilot Spring	APS52
		APP52-03	3/8	1.5 ~ 8 BAR	5/2 Pilot Pilot	APP52
		APS52-04	1/2	1.5 ~ 8 BAR	5/2 Pilot Spring	APS52
		APP52-04	1/2	1.5 ~ 8 BAR	5/2 Pilot Pilot	APP52

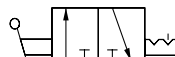
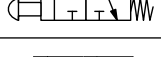
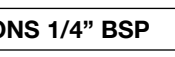
5/3 - 5 PORTS 3 POSITIONS (closed centre)

		APP53-01	1/8	3 ~ 8 BAR	5/3 Pilot Pilot Closed Centre	APP53
		APP53-02	1/4	3 ~ 8 BAR	5/3 Pilot Pilot Closed Centre	APP53
		APP53-03	3/8	3 ~ 8 BAR	5/3 Pilot Pilot Closed Centre	APP53
		APP53-04	1/2	3 ~ 8 BAR	5/3 Pilot Pilot Closed Centre	APP53

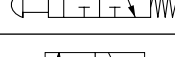
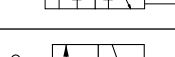
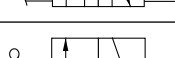
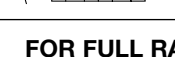
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Air Manual	Symbol	Model	Port Size BSP	Model Website	Function	Model Website
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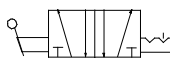
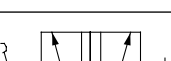
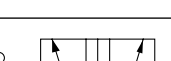
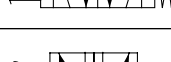
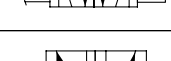
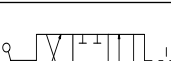
3/2 - 3 PORTS 2 POSTIONS 1/8" BSP

		TOG32-M5	M5	0 ~ 8 Bar	3/2 way Brass Toggle	TOG32
		TOG32-01	1/8	0 ~ 8 Bar	3/2 way Toggle	TOG32
		PLU32-01	1/8	0 ~ 8 Bar	3/2 way Plunger Spring Return	PLU32
		RLS32-01	1/8	0 ~ 8 Bar	3/2 way Roller Lever Spring Return	RLS32
		FBS32-01-*	1/8	0 ~ 8 Bar	3/2 way Flush Button Spring Return	FBS32
		RBS32-01-*	1/8	0 ~ 8 Bar	3/2 way Raised Button Spring Return	RBS32
		PBS32-01-*	1/8	0 ~ 8 Bar	3/2 way Palm Button Spring Return	PBS32
		PBL32-01	1/8	0 ~ 8 Bar	3/2 way Palm Button Latching Emergency Stop Valve	PBL32
		ROS32-01-*	1/8	0 ~ 8 Bar	3/2 way Rotary Switch	ROS32
		ROL32-01	1/8	0 ~ 8 Bar	3/2 way Rotary Lever	ROL32

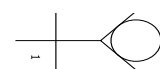
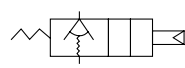
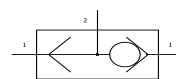
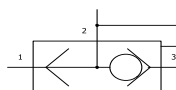
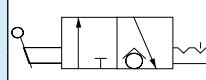
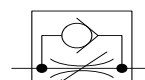
3/2 - 3 PORTS 2 POSTIONS 1/4" BSP

		PLU32-02	1/4	0 ~ 8 Bar	3/2 way Plunger Spring Return	PLU32
		RLS32-02	1/4	0 ~ 8 Bar	3/2 way Roller Lever Spring Return	RLS32
		FBS32-02-*	1/4	0 ~ 8 Bar	3/2 way Flush Button Spring Return	FBS32
		RBS32-02-*	1/4	0 ~ 8 Bar	3/2 way Raised Button Spring Return	RBS32
		PBS32-02-*	1/4	0 ~ 8 Bar	3/2 way Palm Button Spring Return	PBS32
		PBL32-02	1/4	0 ~ 8 Bar	3/2 way Palm Button Latching Emergency Stop Valve	PBL32
		ROS32-02-*	1/4	0 ~ 8 Bar	3/2 way Rotary Switch	ROS32
		ROL32-02	1/4	0 ~ 8 Bar	3/2 way Rotary Lever	ROL32

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Air Manual	Symbol	Model	Port Size BSP	Pressure Range	Function	Model Website
5/2 - 5 PORTS 2 POSITIONS 1/4", 3/8", 1/2" BSP						
		TOG52-M5	M5	0 ~ 8 Bar	5/2 Toggle	TOG52
		TOG52-01	1/8	0 ~ 8 Bar	5/2 Toggle	TOG52
		PUP52-01	1/8	0 ~ 8 Bar	5/2 Push Pull	PUP52
		PLU52-02	1/4	0 ~ 8 Bar	5/2 way Plunger Spring Return	PLU52
		RLS52-02	1/4	0 ~ 8 Bar	5/2 way Roller Lever Spring Return	RLS52
		FBS52-02-*	1/4	0 ~ 8 Bar	5/2 way Flush Button Spring Return	FBS52
		RBS52-02-*	1/4	0 ~ 8 Bar	5/2 way Raised Button Spring Return	RBS52
		PBS52-02-*	1/4	0 ~ 8 Bar	5/2 way Palm Button Spring Return	PBS52
		PBL52-02	1/4	0 ~ 8 Bar	5/2 way Palm Button Latching Emergency Stop Valve	PLB52
		ROS52-02-*	1/4	0 ~ 8 Bar	5/2 way Rotary Switch	ROS52
		ROL52-02	1/4	0 ~ 8 Bar	5/2 way Rotary Lever	ROL52
		LEL52-02 LEL52-03 LEL52-04	1/4 3/8 1/2	0 ~ 8 Bar 0 ~ 8 Bar 0 ~ 8 Bar	5/2 way Lever Lever	LEL52
		LEL53-02 LEL53-03 LEL53-04	1/4 3/8 1/2	0 ~ 8 Bar 0 ~ 8 Bar 0 ~ 8 Bar	5/3 way Lever Lever - Closed Centre	LEL53
		LES52-02	1/4	0 ~ 8 Bar	5/2 way Lever Spring	LES52
		PUP52-02	1/4	0 ~ 8 Bar	5/2 Push Pull	PUP52
		FSG52-02	1/4	0 ~ 8 Bar	5/2 way Foot Spring with Guard	FSG52
4 WAY 3 POSITION 1/4, 3/8, 1/2" BSP						
		ROT43-02 ROT43-03 ROT43-04	1/4 3/8 1/2	0 ~ 8 Bar 0 ~ 8 Bar 0 ~ 8 Bar	4 way 3 position ceramic seat Rotary Lever	ROT43

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Ancillary	Symbol	Model	Port Size BSP	Pressure Range	Function	Model Website
CHECK VALVE 1/8 – 1” BSP						
		ACV-01 ACV-02 ACV-03 ACV-04 ACV-05 ACV-06	1/8” 1/4” 3/8” 1/2” 3/4” 1”	0.5 ~ 12 Bar 0.5 ~ 12 Bar 0.5 ~ 12 Bar 0.5 ~ 12 Bar 0.5 ~ 12 Bar 0.5 ~ 12 Bar	In-Line Air Check Valve	ACV
PILOT CHECK VALVE 1/8” BSP						
		APC-01	1/8”	0.5 ~ 8 Bar	In-Line Air Check Valve – Pilot Operated	APC
SHUTTLE VALVE 1/8 – 1” BSP						
		ASV-01 ASV-02 ASV-03 ASV-04 ASV-05 ASV-06	1/8” 1/4” 3/8” 1/2” 3/4” 1”	0.5 ~ 8 Bar 0.5 ~ 8 Bar 0.5 ~ 8 Bar 0.5 ~ 8 Bar 0.5 ~ 8 Bar 0.5 ~ 8 Bar	Shuttle Valve Either one signal or the other to a common outlet	ASV
QUICK EXHAUST VALVE 1/8 – 1” BSP						
		AQE-01 AQE-02 AQE-03 AQE-04 AQE-05 AQE-06	1/8” 1/4” 3/8” 1/2” 3/4” 1”	0.5 ~ 8 Bar 0.5 ~ 8 Bar 0.5 ~ 8 Bar 0.5 ~ 8 Bar 0.5 ~ 8 Bar 0.5 ~ 8 Bar	Quick Exhaust of air signal when flow is reversed	AQE
HAND SLIDE VALVE 1/8 – 1/2” BSP (Brass/Aluminium)						
		AHS-01 AHS-02 AHS-03 AHS-04	1/8” 1/4” 3/8” 1/2”	0 ~ 10 Bar 0 ~ 10 Bar 0 ~ 10 Bar 0 ~ 10 Bar	3/2 Way Valve to close off supply and pump downstream to atmosphere	AHS
PRECISION SPEED CONTROLLERS 1/8 – 1/2” BSP						
		APS-01 APS-02 APS-03 APS-04	1/8” 1/4” 3/8” 1/2”	0 ~ 10 Bar 0 ~ 10 Bar 0 ~ 10 Bar 0 ~ 10 Bar	In-Line Precision Speed Controller for air actuators	APS
PNEUMATIC VIBRATOR						
	Rotary Steel Ball	APV-02	1/4”	1 ~ 8 Bar	Air Vibrator for small parts	APV
VACUUM GENERATOR						
	Venturi	VAC-01 VAC-02 VAC-03	1/8” 1/4” 3/8”	0.1 ~ 16 Bar	Vacuum Generator using compressed air supply	VAC

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Silencer	Model	Description
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Exhaust Silencer/Regulator - Brass

BES

	BES-01	G1/8" Brass Exhaust Reg/Silencer
	BES-02	G1/4" Brass Exhaust Reg/Silencer
	BES-03	G3/8" Brass Exhaust Reg/Silencer
	BES-04	G1/2" Brass Exhaust Reg/Silencer
	BES-05	G3/4" Brass Exhaust Reg/Silencer
	BES-06	G1" Brass Exhaust Reg/Silencer

Silencer - Brass

BSL

	BSL-M5	M5 Brass Silencer
	BSL-01	G1/8" Brass Silencer
	BSL-02	G1/4" Brass Silencer
	BSL-03	G3/8" Brass Silencer
	BSL-04	G1/2" Brass Silencer
	BSL-05	G3/4" Brass Silencer
	BSL-06	G1" Brass Silencer
	BSL-07	G1-1/4" Brass Silencer
	BSL-08	G1-1/2" Brass Silencer
	BSL-09	G2" Brass Silencer

Silencer Mini - Brass

BSM

	BSM-01	G1/8" Brass Mini Silencer
	BSM-02	G1/4" Brass Mini Silencer
	BSM-03	G3/8" Brass Mini Silencer
	BSM-04	G1/2" Brass Mini Silencer
	BSM-05	G3/4" Brass Mini Silencer
	BSM-06	G1" Brass Mini Silencer

Silencer	Model	Description
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Exhaust Silencer/Regulator - Stainless Steel

SES

	SES-01	G1/8" S.S Exhaust Reg/Silencer
	SES-02	G1/4" S.S Exhaust Reg/Silencer
	SES-03	G3/8" S.S Exhaust Reg/Silencer
	SES-04	G1/2" S.S Exhaust Reg/Silencer
	SES-05	G3/4" S.S Exhaust Reg/Silencer
	SES-06	G1" S.S Exhaust Reg/Silencer

Silencer - Stainless Steel

SSL

	SSL-M5	M5 S.S Silencer
	SSL-01	G1/8" S.S Silencer
	SSL-02	G1/4" S.S Silencer
	SSL-03	G3/8" S.S Silencer
	SSL-04	G1/2" S.S Silencer
	SSL-05	G3/4" S.S Silencer
	SSL-06	G1" S.S Silencer

Silencer Mini - Stainless Steel

SSM

	SSM-M5	M5 S.S Mini Silencer
	SSM-01	G1/8" S.S Mini Silencer
	SSM-02	G1/4" S.S Mini Silencer
	SSM-03	G3/8" S.S Mini Silencer
	SSM-04	G1/2" S.S Mini Silencer
	SSM-05	G3/4" S.S Mini Silencer
	SSM-06	G1" S.S Mini Silencer

Nylon Tubing to suit Push-Fit fittings

Nylon Tube	Item	Description	Full Coil Options				
			5m Coil	10m Coil	20m Coil	100m Coil	200m Coil
	NYL04-*	4mm O.D Nylon Tube (200m roll)	✓	✓	✓	✓	✓
	NYL06-*	6mm O.D Nylon Tube (200m roll)	✓	✓	✓	✓	✓
	NYL08-*	8mm O.D Nylon Tube (100m roll)	✓	✓	✓	✓	—
	NYL10-*	10mm O.D Nylon Tube (100m roll)	✓	✓	✓	✓	—
	NYL12-*	12mm O.D Nylon Tube (100m roll)	✓	✓	✓	✓	—
	NYL16-*	16mm O.D Nylon Tube (100m roll)			50m Coil ✓	✓	—
	NYL14-*	1/4" O.D Nylon Tube (200m roll)	✓	✓	✓	✓	✓
	NYL1516-*	5/16" O.D Nylon Tube (100m roll)	✓	✓	✓	✓	—
	NYL138-*	3/8" O.D Nylon Tube (100m roll)	✓	✓	✓	✓	—
	NYL12-*	1/2" O.D Nylon Tube (100m roll)	✓	✓	✓	✓	—

Metric Tubing

Item	NYL04	NYL06	NYL08	NYL10	NYL12	NYL16	- Working Pressure 20 BAR @ 20°C. - UV Stabilised Black Tubing - PA6 Nylon
O.D. (mm)	ø 4.0	ø 6.0	ø 8.0	ø 10.0	ø 12.0	ø 16.0	
I.D. (mm)	ø 2.5	ø 4.0	ø 6.0	ø 7.5	ø 9.0	ø 12.0	

Imperial Tubing

Item	—	NYL14	NYL1516	NYL138	NYL12		- Working Pressure 20 BAR @ 20°C. - UV Stabilised Black Tubing - PA6 Nylon
O.D. (mm)	—	ø 1/4" 6.35mm	ø 5/16" 7.94mm	ø 3/8" 9.52mm	ø 1/2" 12.7mm		
I.D. (mm)	—	ø 4.2	ø 6.0	ø 6.35	ø 9.6		

- Swivel Joints
- Nickel Plated Brass Body with PTFE Coated Male Thread
- UV Resistant Plastic Body, Stainless Steel Gripper and NBR O-ring

Push Fit	Model	Description
Male Straight Connector (O.D. Tube to Male BSP Thread) YPC		
	YPC04-M5	4mm x M5 BSPT Male Straight Connector
	YPC04-01	4mm x 1/8" BSPT Male Straight Connector
	YPC04-02	4mm x 1/4" BSPT Male Straight Connector
	YPC06-M5	6mm x M5 Male Straight Connector
	YPC06-01	6mm x 1/8" BSPT Male Straight Connector
	YPC06-02	6mm x 1/4" BSPT Male Straight Connector
	YPC06-03	6mm x 3/8" BSPT Male Straight Connector
	YPC06-04	6mm x 1/2" BSPT Male Straight Connector
	YPC08-01	8mm x 1/8" BSPT Male Straight Connector
	YPC08-02	8mm x 1/4" BSPT Male Straight Connector
	YPC08-03	8mm x 3/8" BSPT Male Straight Connector
	YPC08-04	8mm x 1/2" BSPT Male Straight Connector
	YPC10-01	10mm x 1/8" BSPT Male Straight Connector
	YPC10-02	10mm x 1/4" BSPT Male Straight Connector
	YPC10-03	10mm x 3/8" BSPT Male Straight Connector
	YPC10-04	10mm x 1/2" BSPT Male Straight Connector
	YPC12-02	12mm x 1/4" BSPT Male Straight Connector
	YPC12-03	12mm x 3/8" BSPT Male Straight Connector
	YPC12-04	12mm x 1/2" BSPT Male Straight Connector
	YPC16-04	16mm x 1/2" BSPT Male Straight Connector

Female Straight Connector (O.D. Tube to Female BSP Thread) YPCF		
	YPCF04-M5	4mm x M5 BSPP Fem St. Connector
	YPCF04-01	4mm x 1/8" BSPP Fem St. Connector
	YPCF04-02	4mm x 1/4" BSPP Fem St. Connector
	YPCF06-M5	6mm x M5 BSPP Fem St. Connector
	YPCF06-01	6mm x 1/8" BSPP Fem St. Connector
	YPCF06-02	6mm x 1/4" BSPP Fem St. Connector
	YPCF06-03	6mm x 3/8" BSPP Fem St. Connector
	YPCF06-04	6mm x 1/2" BSPP Fem St. Connector
	YPCF08-01	8mm x 1/8" BSPP Fem St. Connector
	YPCF08-02	8mm x 1/4" BSPP Fem St. Connector
	YPCF08-03	8mm x 3/8" BSPP Fem St. Connector
	YPCF08-04	8mm x 1/2" BSPP Fem St. Connector
	YPCF10-01	10mm x 1/8" BSPP Fem St. Connector
	YPCF10-02	10mm x 1/4" BSPP Fem St. Connector
	YPCF10-03	10mm x 3/8" BSPP Fem St. Connector
	YPCF10-04	10mm x 1/2" BSPP Fem St. Connector
	YPCF12-02	12mm x 1/4" BSPP Fem St. Connector
	YPCF12-03	12mm x 3/8" BSPP Fem St. Connector
	YPCF12-04	12mm x 1/2" BSPP Fem St. Connector

Female Swivel Elbow (O.D. Tube to Female BSP Thread) YPLF		
	YPLF04-M5	4mm x M5 BSPP Fem. Swivel Elbow
	YPLF04-01	4mm x 1/8" BSPP Fem. Swivel Elbow
	YPLF04-02	4mm x 1/4" BSPP Fem. Swivel Elbow
	YPLF06-M5	6mm x M5 BSPP Fem. Swivel Elbow
	YPLF06-01	6mm x 1/8" BSPP Fem. Swivel Elbow
	YPLF06-02	6mm x 1/4" BSPP Fem. Swivel Elbow
	YPLF06-03	6mm x 3/8" BSPP Fem. Swivel Elbow
	YPLF06-04	6mm x 1/2" BSPP Fem. Swivel Elbow
	YPLF08-01	8mm x 1/8" BSPP Fem. Swivel Elbow
	YPLF08-02	8mm x 1/4" BSPP Fem. Swivel Elbow
	YPLF08-03	8mm x 3/8" BSPP Fem. Swivel Elbow
	YPLF08-04	8mm x 1/2" BSPP Fem. Swivel Elbow
	YPLF10-01	10mm x 1/8" BSPP Fem. Swivel Elbow
	YPLF10-02	10mm x 1/4" BSPP Fem. Swivel Elbow
	YPLF10-03	10mm x 3/8" BSPP Fem. Swivel Elbow
	YPLF10-04	10mm x 1/2" BSPP Fem. Swivel Elbow
	YPLF12-02	12mm x 1/4" BSPP Fem. Swivel Elbow
	YPLF12-03	12mm x 3/8" BSPP Fem. Swivel Elbow
	YPLF12-04	12mm x 1/2" BSPP Fem. Swivel Elbow

- Suitable for Air to 10 Bar. Metric and Imperial Tube Fittings
- Straight Fittings with Internal Allen Key Drive for Installation in Narrow Positions

Push Fit	Model	Description
Male Swivel Elbow (O.D. Tube to Male BSP Thread) YPL		
	YPL04-M5	4mm x M5 BSPT Swivel Elbow
	YPL04-01	4mm x 1/8" BSPT Swivel Elbow
	YPL04-02	4mm x 1/4" BSPT Swivel Elbow
	YPL04-03	4mm x 3/8" BSPT Swivel Elbow
	YPL06-M5	6mm x M5 BSPT Swivel Elbow
	YPL06-01	6mm x 1/8" BSPT Swivel Elbow
	YPL06-02	6mm x 1/4" BSPT Swivel Elbow
	YPL06-03	6mm x 3/8" BSPT Swivel Elbow
	YPL06-04	6mm x 1/2" BSPT Swivel Elbow
	YPL08-01	8mm x 1/8" BSPT Swivel Elbow
	YPL08-02	8mm x 1/4" BSPT Swivel Elbow
	YPL08-03	8mm x 3/8" BSPT Swivel Elbow
	YPL08-04	8mm x 1/2" BSPT Swivel Elbow
	YPL10-01	10mm x 1/8" BSPT Swivel Elbow
	YPL10-02	10mm x 1/4" BSPT Swivel Elbow
	YPL10-03	10mm x 3/8" BSPT Swivel Elbow
	YPL10-04	10mm x 1/2" BSPT Swivel Elbow
	YPL12-02	12mm x 1/4" BSPT Swivel Elbow
	YPL12-03	12mm x 3/8" BSPT Swivel Elbow
	YPL12-04	12mm x 1/2" BSPT Swivel Elbow
	YPL16-04	16mm x 1/2" BSPT Swivel Elbow

Extension Swivel Elbow (O.D. Tube to Male BSP Thread) YPLL		
	YPLL04-M5	4mm x M5 BSPT Ext. Swivel Elbow
	YPLL04-01	4mm x 1/8" BSPT Ext. Swivel Elbow
	YPLL04-02	4mm x 1/4" BSPT Ext. Swivel Elbow
	YPLL06-M5	6mm x M5 BSPT Ext. Swivel Elbow
	YPLL06-01	6mm x 1/8" BSPT Ext. Swivel Elbow
	YPLL06-02	6mm x 1/4" BSPT Ext. Swivel Elbow
	YPLL06-03	6mm x 3/8" BSPT Ext. Swivel Elbow
	YPLL06-04	6mm x 1/2" BSPT Ext. Swivel Elbow
	YPLL08-01	8mm x 1/8" BSPT Ext. Swivel Elbow
	YPLL08-02	8mm x 1/4" BSPT Ext. Swivel Elbow
	YPLL08-03	8mm x 3/8" BSPT Ext. Swivel Elbow
	YPLL08-04	8mm x 1/2" BSPT Ext. Swivel Elbow
	YPLL10-01	10mm x 1/8" BSPT Ext. Swivel Elbow
	YPLL10-02	10mm x 1/4" BSPT Ext. Swivel Elbow
	YPLL10-03	10mm x 3/8" BSPT Ext. Swivel Elbow
	YPLL10-04	10mm x 1/2" BSPT Ext. Swivel Elbow
	YPLL12-02	12mm x 1/4" BSPT Ext. Swivel Elbow
	YPLL12-03	12mm x 3/8" BSPT Ext. Swivel Elbow
	YPLL12-04	12mm x 1/2" BSPT Ext. Swivel Elbow

Elbow Joiner (O.D. Tube to O.D. Tube) YPV		
	YPV04	4mm Elbow Joiner
	YPV06	6mm Elbow Joiner
	YPV08	8mm Elbow Joiner
	YPV10	10mm Elbow Joiner
	YPV12	12mm Elbow Joiner
	YPV16	16mm Elbow Joiner

Straight Joiner (O.D. Tube to O.D. Tube) YPU		
	YPU04	4mm Straight Joiner
	YPU06	6mm Straight Joiner
	YPU08	8mm Straight Joiner
	YPU10	10mm Straight Joiner
	YPU12	12mm Straight Joiner
	YPU16	16mm Straight Joiner

Tee Joiner (O.D. Tube to O.D. Tube) YPE		
	YPE04	4mm Tee Joiner
	YPE06	6mm Tee Joiner
	YPE08	8mm Tee Joiner
	YPE10	10mm Tee Joiner
	YPE12	12mm Tee Joiner
	YPE16	16mm Tee Joiner

Push Fit

Model

Description

- Swivel Joints
- Nickel Plated Brass Body with PTFE Coated Male Thread
- UV Resistant Plastic Body, Stainless Steel Gripper and NBR O-ring

Male Run Tee (O.D. Tube to Male BSP Thread)

YPB

	YPB04-M5	4mm x M5" BSPT Male Run Tee
	YPB04-01	4mm x 1/8" BSPT Male Run Tee
	YPB04-02	4mm x 1/4" BSPT Male Run Tee
	YPB06-M5	6mm x M5" BSPT Male Run Tee
	YPB06-01	6mm x 1/8" BSPT Male Run Tee
	YPB06-02	6mm x 1/4" BSPT Male Run Tee
	YPB06-03	6mm x 3/8" BSPT Male Run Tee
	YPB06-04	6mm x 1/2" BSPT Male Run Tee
	YPB08-01	8mm x 1/8" BSPT Male Run Tee
	YPB08-02	8mm x 1/4" BSPT Male Run Tee
	YPB08-03	8mm x 3/8" BSPT Male Run Tee
	YPB08-04	8mm x 1/2" BSPT Male Run Tee
	YPB10-01	10mm x 1/8" BSPT Male Run Tee
	YPB10-02	10mm x 1/4" BSPT Male Run Tee
	YPB10-03	10mm x 3/8" BSPT Male Run Tee
	YPB10-04	10mm x 1/2" BSPT Male Run Tee
	YPB12-02	12mm x 1/4" BSPT Male Run Tee
	YPB12-03	12mm x 3/8" BSPT Male Run Tee
	YPB12-04	12mm x 1/2" BSPT Male Run Tee

Male Branch Y (O.D. Tube to Male BSP Thread)

YPX

	YPX04-M5	4mm x M5 BSPT Male Branch Y
	YPX04-01	4mm x 1/8" BSPT Male Branch Y
	YPX04-02	4mm x 1/4" BSPT Male Branch Y
	YPX06-M5	6mm x M5 BSPT Male Branch Y
	YPX06-01	6mm x 1/8" BSPT Male Branch Y
	YPX06-02	6mm x 1/4" BSPT Male Branch Y
	YPX06-03	6mm x 3/8" BSPT Male Branch Y
	YPX06-04	6mm x 1/2" BSPT Male Branch Y
	YPX08-01	8mm x 1/8" BSPT Male Branch Y
	YPX08-02	8mm x 1/4" BSPT Male Branch Y
	YPX08-03	8mm x 3/8" BSPT Male Branch Y
	YPX08-04	8mm x 1/2" BSPT Male Branch Y
	YPX10-01	10mm x 1/8" BSPT Male Branch Y
	YPX10-02	10mm x 1/4" BSPT Male Branch Y
	YPX10-03	10mm x 3/8" BSPT Male Branch Y
	YPX10-04	10mm x 1/2" BSPT Male Branch Y
	YPX12-02	12mm x 1/4" BSPT Male Branch Y
	YPX12-03	12mm x 3/8" BSPT Male Branch Y
	YPX12-04	12mm x 1/2" BSPT Male Branch Y

Elbow Speed Control (O.D. Tube to Male BSP Thread)

YSC

	YSC04-M5	4mm x M5 BSPT Tube Speed Control
	YSC04-01	4mm x 1/8" BSPT Tube Speed Control
	YSC04-02	4mm x 1/4" BSPT Tube Speed Control
	YSC06-M5	6mm x M5 BSPT Tube Speed Control
	YSC06-01	6mm x 1/8" BSPT Tube Speed Control
	YSC06-02	6mm x 1/4" BSPT Tube Speed Control
	YSC06-03	6mm x 3/8" BSPT Tube Speed Control
	YSC06-04	6mm x 1/2" BSPT Tube Speed Control
	YSC08-01	8mm x 1/8" BSPT Tube Speed Control
	YSC08-02	8mm x 1/4" BSPT Tube Speed Control
	YSC08-03	8mm x 3/8" BSPT Tube Speed Control
	YSC08-04	8mm x 1/2" BSPT Tube Speed Control
	YSC10-01	10mm x 1/8" BSPT Tube Speed Control
	YSC10-02	10mm x 1/4" BSPT Tube Speed Control
	YSC10-03	10mm x 3/8" BSPT Tube Speed Control
	YSC10-04	10mm x 1/2" BSPT Tube Speed Control
	YSC12-02	12mm x 1/4" BSPT Tube Speed Control
	YSC12-03	12mm x 3/8" BSPT Tube Speed Control
	YSC12-04	12mm x 1/2" BSPT Tube Speed Control

Push Fit

Model

Description

- Suitable for Air to 10 Bar. Metric and Imperial Tube Fittings
- Straight Fittings with Internal Allen Key Drive for Installation in Narrow Positions

Male Branch Tee (O.D. Tube to Male BSP Thread)

YPD

	YPD04-M5	4mm x M5 BSPT Male Branch Tee
	YPD04-01	4mm x 1/8" BSPT Male Branch Tee
	YPD04-02	4mm x 1/4" BSPT Male Branch Tee
	YPD06-M5	6mm x M5 BSPT Male Branch Tee
	YPD06-01	6mm x 1/8" BSPT Male Branch Tee
	YPD06-02	6mm x 1/4" BSPT Male Branch Tee
	YPD06-03	6mm x 3/8" BSPT Male Branch Tee
	YPD06-04	6mm x 1/2" BSPT Male Branch Tee
	YPD08-01	8mm x 1/8" BSPT Male Branch Tee
	YPD08-02	8mm x 1/4" BSPT Male Branch Tee
	YPD08-03	8mm x 3/8" BSPT Male Branch Tee
	YPD08-04	8mm x 1/2" BSPT Male Branch Tee
	YPD10-01	10mm x 1/8" BSPT Male Branch Tee
	YPD10-02	10mm x 1/4" BSPT Male Branch Tee
	YPD10-03	10mm x 3/8" BSPT Male Branch Tee
	YPD10-04	10mm x 1/2" BSPT Male Branch Tee
	YPD12-02	12mm x 1/4" BSPT Male Branch Tee
	YPD12-03	12mm x 3/8" BSPT Male Branch Tee
	YPD12-04	12mm x 1/2" BSPT Male Branch Tee

Universal Female Elbow (O.D. Tube to Male BSP Thread)

YPHF

	YPHF04-M5	4mm x M5 BSPP Univ. Female Elbow
	YPHF04-01	4mm x 1/8" BSPP Univ. Female Elbow
	YPHF04-02	4mm x 1/4" BSPP Univ. Female Elbow
	YPHF06-M5	6mm x M5 BSPP Univ. Female Elbow
	YPHF06-01	6mm x 1/8" BSPP Univ. Female Elbow
	YPHF06-02	6mm x 1/4" BSPP Univ. Female Elbow
	YPHF06-03	6mm x 3/8" BSPP Univ. Female Elbow
	YPHF06-04	6mm x 1/2" BSPP Univ. Female Elbow
	YPHF08-01	8mm x 1/8" BSPP Univ. Female Elbow
	YPHF08-02	8mm x 1/4" BSPP Univ. Female Elbow
	YPHF08-03	8mm x 3/8" BSPP Univ. Female Elbow
	YPHF08-04	8mm x 1/2" BSPP Univ. Female Elbow
	YPHF10-01	10mm x 1/8" BSPP Univ. Female Elbow
	YPHF10-02	10mm x 1/4" BSPP Univ. Female Elbow
	YPHF10-03	10mm x 3/8" BSPP Univ. Female Elbow
	YPHF10-04	10mm x 1/2" BSPP Univ. Female Elbow
	YPHF12-02	12mm x 1/4" BSPP Univ. Female Elbow
	YPHF12-03	12mm x 3/8" BSPP Univ. Female Elbow
	YPHF12-04	12mm x 1/2" BSPP Univ. Female Elbow

Hex Head Male Elbow (O.D. Tube to Male BSP Thread)

YPH

	YPH04-M5	4mm x M5 BSPT Hex Head Male Elbow
	YPH04-01	4mm x 1/8" BSPT Hex Head Male Elbow
	YPH04-02	4mm x 1/4" BSPT Hex Head Male Elbow
	YPH06-M5	6mm x M5 BSPT Hex Head Male Elbow
	YPH06-01	6mm x 1/8" BSPT Hex Head Male Elbow
	YPH06-02	6mm x 1/4" BSPT Hex Head Male Elbow
	YPH06-03	6mm x 3/8" BSPT Hex Head Male Elbow
	YPH06-04	6mm x 1/2" BSPT Hex Head Male Elbow
	YPH08-01	8mm x 1/8" BSPT Hex Head Male Elbow
	YPH08-02	8mm x 1/4" BSPT Hex Head Male Elbow
	YPH08-03	8mm x 3/8" BSPT Hex Head Male Elbow
	YPH08-04	8mm x 1/2" BSPT Hex Head Male Elbow
	YPH10-01	10mm x 1/8" BSPT Hex Head Male Elbow
	YPH10-02	10mm x 1/4" BSPT Hex Head Male Elbow
	YPH10-03	10mm x 3/8" BSPT Hex Head Male Elbow
	YPH10-04	10mm x 1/2" BSPT Hex Head Male Elbow
	YPH12-02	12mm x 1/4" BSPT Hex Head Male Elbow
	YPH12-03	12mm x 3/8" BSPT Hex Head Male Elbow
	YPH12-04	12mm x 1/2" BSPT Hex Head Male Elbow

Push Fit	Model	Description
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Push Fit	Model	Description
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Metric Push Fits - Plastic

Bulkhead Union (O.D. Tube to O.D. Tube)

YPM

	YPM04	4mm Bulkhead Union
	YPM06	6mm Bulkhead Union
	YPM08	8mm Bulkhead Union
	YPM10	10mm Bulkhead Union
	YPM12	12mm Bulkhead Union

Y Joiner (O.D. Tube to O.D. Tube)

YPY

	YPY04	4mm Y Joiner
	YPY06	6mm Y Joiner
	YPY08	8mm Y Joiner
	YPY10	10mm Y Joiner
	YPY12	12mm Y Joiner
	YPY16	16mm Y Joiner

Cross Joiner (O.D. Tube to O.D. Tube)

YPZ

	YPZA04	4mm Cross Joiner
	YPZA06	6mm Cross Joiner
	YPZA08	8mm Cross Joiner
	YPZA10	10mm Cross Joiner
	YPZA12	12mm Cross Joiner

Triple Joiner (O.D. Tube to O.D. Tube)

YPK

	YPK04	4mm Triple Joiner
	YPK06	6mm Triple Joiner
	YPK08	8mm Triple Joiner
	YPK10	10mm Triple Joiner
	YPK12	12mm Triple Joiner

Triple Male Elbow (O.D. Tube to Male BSP Thread)

YPKB

	YPKB04-01	4mm x 1/8" BSPT Triple Male Elbow
	YPKB04-02	4mm x 1/4" BSPT Triple Male Elbow
	YPKB06-01	6mm x 1/8" BSPT Triple Male Elbow
	YPKB06-02	6mm x 1/4" BSPT Triple Male Elbow
	YPKB06-03	6mm x 3/8" BSPT Triple Male Elbow
	YPKB08-01	8mm x 1/8" BSPT Triple Male Elbow
	YPKB08-02	8mm x 1/4" BSPT Triple Male Elbow
	YPKB08-03	8mm x 3/8" BSPT Triple Male Elbow

Plug In Elbow (O.D. Tube to Male Tube)

YPLGJ

	YPLGJ06-04	6mm to 4mm Plug in Elbow
	YPLGJ08-04	8mm to 4mm Plug in Elbow
	YPLGJ08-06	8mm to 6mm Plug in Elbow
	YPLGJ10-6	10mm to 6mm Plug in Elbow
	YPLGJ10-8	10mm to 8mm Plug in Elbow
	YPLGJ12-10	12mm to 10mm Plug in Elbow
	YPLGJ12-8	12mm to 8mm Plug in Elbow

Plug In Tee (O.D. Tube to Male Tube)

YPEGJ

	YPEGJ06-04	6mm to 4mm Plug in Tee
	YPEGJ08-04	8mm to 4mm Plug in Tee
	YPEGJ08-06	8mm to 6mm Plug in Tee
	YPEGJ10-6	10mm to 6mm Plug in Tee
	YPEGJ10-8	10mm to 8mm Plug in Tee
	YPEGJ12-10	12mm to 10mm Plug in Tee
	YPEGJ12-8	12mm to 8mm Plug in Tee

Plug In Reducer (O.D. Tube to Male Tube)

YPGL

	YPGL06-04	6mm to 4mm Plug in Reducer
	YPGL08-04	8mm to 4mm Plug in Reducer
	YPGL08-06	8mm to 6mm Plug in Reducer
	YPGL10-6	10mm to 6mm Plug in Reducer
	YPGL10-8	10mm to 8mm Plug in Reducer
	YPGL12-6	12mm to 6mm Plug in Reducer
	YPGL12-8	12mm to 8mm Plug in Reducer

Plug (Male Tube)

YPP

	YPP04	4mm Plug
	YPP06	6mm Plug
	YPP08	8mm Plug
	YPP10	10mm Plug
	YPP12	12mm Plug

Imperial Push Fits - Plastic

Male Straight Connector (O.D. Tube to Male BSP Thread)

IPC

	IPC14-01	1/4" Tube x 1/8" BSPT Male Straight Connector
	IPC14-02	1/4" Tube x 1/4" BSPT Male Straight Connector
	IPC14-03	1/4" Tube x 3/8" BSPT Male Straight Connector
	IPC14-04	1/4" Tube x 1/2" BSPT Male Straight Connector
	IPC516-01	5/16" Tube x 1/8" BSPT Male Straight Connector
	IPC516-02	5/16" Tube x 1/4" BSPT Male Straight Connector
	IPC516-03	5/16" Tube x 3/8" BSPT Male Straight Connector
	IPC516-04	5/16" Tube x 1/2" BSPT Male Straight Connector
	IPC38-01	3/8" Tube x 1/8" BSPT Male Straight Connector
	IPC38-02	3/8" Tube x 1/4" BSPT Male Straight Connector
	IPC38-03	3/8" Tube x 3/8" BSPT Male Straight Connector
	IPC38-04	3/8" Tube x 1/2" BSPT Male Straight Connector
	IPC12-02	1/2" Tube x 1/4" BSPT Male Straight Connector
	IPC12-03	1/2" Tube x 3/8" BSPT Male Straight Connector
	IPC12-04	1/2" Tube x 1/2" BSPT Male Straight Connector

Tee Joiner (O.D. Tube to O.D. Tube)

IPE

	IPE14	1/4" Tee Joiner
	IPE516	5/16" Tee Joiner
	IPE38	3/8" Tee Joiner
	IPE12	1/2" Tee Joiner

Swivel Elbow (O.D. Tube to Male BSP Thread)

IPL

	IPL14-01	1/4" Tube x 1/8" BSPT Swivel Elbow
	IPL14-02	1/4" Tube x 1/4" BSPT Swivel Elbow
	IPL14-03	1/4" Tube x 3/8" BSPT Swivel Elbow
	IPL14-04	1/4" Tube x 1/2" BSPT Swivel Elbow
	IPL516-01	5/16" Tube x 1/8" BSPT Swivel Elbow
	IPL516-02	5/16" Tube x 1/4" BSPT Swivel Elbow
	IPL516-03	5/16" Tube x 3/8" BSPT Swivel Elbow
	IPL516-04	5/16" Tube x 1/2" BSPT Swivel Elbow
	IPL38-01	3/8" Tube x 1/8" BSPT Swivel Elbow
	IPL38-02	3/8" Tube x 1/4" BSPT Swivel Elbow
	IPL38-03	3/8" Tube x 3/8" BSPT Swivel Elbow
	IPL38-04	3/8" Tube x 1/2" BSPT Swivel Elbow
	IPL12-02	1/2" Tube x 1/4" BSPT Swivel Elbow
	IPL12-03	1/2" Tube x 3/8" BSPT Swivel Elbow
	IPL12-04	1/2" Tube x 1/2" BSPT Swivel Elbow

Straight Joiner (O.D. Tube to O.D. Tube)

IPU

	IPU14	1/4" Tube St. Joiner
	IPU516	5/16" Tube St. Joiner
	IPU38	3/8" Tube St. Joiner
	IPU12	1/2" Tube St. Joiner

Imperial Push Fits - Plastic

Push Fit	Model	Description
Y Joiner (O.D. Tube to O.D. Tube) IPY		
	IPY-14	1/4" Y Joiner
	IPY-516	5/16" Y Joiner
	IPY-38	3/8" Y Joiner
	IPY-12	1/2" Y Joiner
Elbow Joiner (O.D. Tube to O.D. Tube) IPV		
	IPV-14	1/4" Elbow Joiner
	IPV-516	5/16" Elbow Joiner
	IPV-38	3/8" Elbow Joiner
	IPV-12	1/2" Elbow Joiner
Female Swivel Elbow (O.D. Tube to Female BSP Thread) IPLF		
	IPLF14-01	1/4" x 1/8" BSPT Female Swivel Elbow
	IPLF14-02	1/4" x 1/4" BSPT Female Swivel Elbow
	IPLF14-03	1/4" x 3/8" BSPT Female Swivel Elbow
	IPLF14-04	1/4" x 1/2" BSPT Female Swivel Elbow
	IPLF15-01	5/16" x 1/8" BSPT Female Swivel Elbow
	IPLF15-02	5/16" x 1/2" BSPT Female Swivel Elbow
	IPLF15-03	5/16" x 3/8" BSPT Female Swivel Elbow
	IPLF15-04	5/16" x 1/2" BSPT Female Swivel Elbow
	IPLF38-01	3/8" x 1/8" BSPT Female Swivel Elbow
	IPLF38-02	3/8" x 1/4" BSPT Female Swivel Elbow
	IPLF38-03	3/8" x 3/8" BSPT Female Swivel Elbow
	IPLF38-04	3/8" x 1/2" BSPT Female Swivel Elbow
	IPLF12-02	1/2" x 1/4" BSPT Female Swivel Elbow
	IPLF12-03	1/2" x 3/8" BSPT Female Swivel Elbow
	IPLF12-04	1/2" x 1/2" BSPT Female Swivel Elbow

Push Fit	Model	Description
Male Run Tee (O.D. Tube to Male BSP Thread) IPB		
	IPB6-18	1/8" x 1/8" BSPT Male Run Tee
	IPB6-14	1/4" x 1/4" BSPT Male Run Tee
	IPB8-18	1/8" x 1/8" BSPT Male Run Tee
	IPB8-14	1/4" x 1/4" BSPT Male Run Tee
	IPB10-14	1/4" x 1/4" BSPT Male Run Tee
	IPB10-38	3/8" x 3/8" BSPT Male Run Tee
	IPB12-14	1/4" x 1/4" BSPT Male Run Tee
	IPB12-38	3/8" x 3/8" BSPT Male Run Tee
	IPB12-12	1/2" x 1/2" BSPT Male Run Tee
Female Swivel Elbow (O.D. Tube to Female BSP Thread) IPCF		
	IPCF14-01	1/4" x 1/8" BSPT Female Straight Connector
	IPCF14-01	1/4" x 1/4" BSPT Female Straight Connector
	IPCF14-01	1/4" x 3/8" BSPT Female Straight Connector
	IPCF14-01	1/4" x 1/2" BSPT Female Straight Connector
	IPCF14-01	5/16" x 1/8" BSPT Female Straight Connector
	IPCF14-01	5/16" x 1/2" BSPT Female Straight Connector
	IPCF14-01	5/16" x 3/8" BSPT Female Straight Connector
	IPCF14-01	5/16" x 1/2" BSPT Female Straight Connector
	IPCF14-01	3/8" x 1/8" BSPT Female Straight Connector
	IPCF14-01	3/8" x 1/4" BSPT Female Straight Connector
	IPCF14-01	3/8" x 3/8" BSPT Female Straight Connector
	IPCF14-01	3/8" x 1/2" BSPT Female Straight Connector
	IPCF14-01	1/2" x 1/4" BSPT Female Straight Connector
	IPCF14-01	1/2" x 3/8" BSPT Female Straight Connector
	IPCF14-01	1/2" x 1/2" BSPT Female Straight Connector
Bulkhead Union (O.D. Tube to O.D. Tube) IPM		
	IPM-14	1/4" Bulkhead Union
	IPM-516	5/16" Bulkhead Union
	IPM-38	3/8" Bulkhead Union
	IPM-12	1/2" Bulkhead Union

Metric Push Fits - Stainless Steel SS316

Push Fit	Model	Description
Tee Joiner (O.D. Tube to O.D. Tube) SPE		
	SPE04	4mm Tee Joiner
	SPE06	6mm Tee Joiner
	SPE08	8mm Tee Joiner
	SPE10	10mm Tee Joiner
	SPE12	12mm Tee Joiner
	SPE14	14mm Tee Joiner *
	SPE16	16mm Tee Joiner
Elbow Joiner (O.D. Tube to O.D. Tube) SPV		
	SPV04	4mm Elbow Joiner
	SPV06	6mm Elbow Joiner
	SPV08	8mm Elbow Joiner
	SPV10	10mm Elbow Joiner
	SPV12	12mm Elbow Joiner
	SPV14	14mm Elbow Joiner *
	SPV16	16mm Elbow Joiner
Bulkhead Union (O.D. Tube to O.D. Tube) SPM		
	SPM04	4mm Bulkhead Union
	SPM06	6mm Bulkhead Union
	SPM08	8mm Bulkhead Union
	SPM10	10mm Bulkhead Union
	SPM12	12mm Bulkhead Union
	SPM14	14mm Bulkhead Union *
	SPM16	16mm Bulkhead Union

Push Fit	Model	Description
Straight Joiner (O.D. Tube to O.D. Tube) SPS		
	SPS04	4mm Straight Joiner
	SPS06	6mm Straight Joiner
	SPS08	8mm Straight Joiner
	SPS10	10mm Straight Joiner
	SPS12	12mm Straight Joiner
	SPS14	14mm Straight Joiner *
	SPS16	16mm Straight Joiner
Elbow Speed Control (O.D. Tube to Male BSP Thread) SSC		
	SSC04-01	4mm x 1/8" BSPT Tube Speed Control
	SSC04-02	4mm x 1/4" BSPT Tube Speed Control
	SSC06-01	6mm x 1/8" BSPT Tube Speed Control
	SSC06-02	6mm x 1/4" BSPT Tube Speed Control
	SSC08-01	8mm x 1/8" BSPT Tube Speed Control
	SSC08-02	8mm x 1/4" BSPT Tube Speed Control
	SSC10-02	10mm x 1/4" BSPT Tube Speed Control
	SSC10-03	10mm x 3/8" BSPT Tube Speed Control
	SSC12-03	12mm x 3/8" BSPT Tube Speed Control
	SSC12-04	12mm x 1/2" BSPT Tube Speed Control

* Indent only to order - Minimum quantity required.
See page 57 for specifications.

Metric Push Fits - Stainless Steel SS316

- Swivel Joints
- Stainless Steel Body SS316
- Stainless Steel Internals SS316
- Viton (FKM) O-Ring

- Suitable for Air to 10 Bar. Metric Tube Fittings
- Ideal for food, pharmaceutical, marine environment, chemical

- 25 BAR Working Pressure Ambient
- Optional Imperial and other sizes including 14mm OD Tube (Indent Only)

Push Fit	Model	Description
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Male Straight Connector (O.D. Tube to Male BSP Thread) SPC

	SPC04-M5	4mm x M5 BSPT Male Straight Connector
	SPC04-01	4mm x 1/8" BSPT Male Straight Connector
	SPC04-02	4mm x 1/4" BSPT Male Straight Connector
	SPC06-M5	6mm x M5 Male Straight Connector
	SPC06-01	6mm x 1/8" BSPT Male Straight Connector
	SPC06-02	6mm x 1/4" BSPT Male Straight Connector
	SPC06-03	6mm x 3/8" BSPT Male Straight Connector
	SPC08-01	8mm x 1/8" BSPT Male Straight Connector
	SPC08-02	8mm x 1/4" BSPT Male Straight Connector
	SPC08-03	8mm x 3/8" BSPT Male Straight Connector
	SPC10-02	10mm x 1/4" BSPT Male Straight Connector
	SPC10-03	10mm x 3/8" BSPT Male Straight Connector
	SPC10-04	10mm x 1/2" BSPT Male Straight Connector
	SPC12-02	12mm x 1/4" BSPT Male Straight Connector
	SPC12-03	12mm x 3/8" BSPT Male Straight Connector
	SPC12-04	12mm x 1/2" BSPT Male Straight Connector
SS316	SPC14-04	14mm x 1/2" BSPT Male Straight Connector *
	SPC16-04	16mm x 1/2" BSPT Male Straight Connector
	SPC16-05	16mm x 3/4" BSPT Male Straight Connector

Female Straight Connector (O.D. Tube to Female BSP Thread) SPCF

	SPCF04-01	4mm x 1/8" BSPT Female Straight Connector
	SPCF04-02	4mm x 1/4" BSPT Female Straight Connector
	SPCF06-01	6mm x 1/8" BSPT Female Straight Connector
	SPCF06-02	6mm x 1/4" BSPT Female Straight Connector
	SPCF08-01	8mm x 1/8" BSPT Female Straight Connector
	SPCF08-02	8mm x 1/4" BSPT Female Straight Connector
	SPCF08-03	8mm x 3/8" BSPT Female Straight Connector
	SPCF10-02	10mm x 1/4" BSPT Female Straight Connector
	SPCF10-03	10mm x 3/8" BSPT Female Straight Connector
	SPCF10-04	10mm x 1/2" BSPT Female Straight Connector
	SPCF12-02	12mm x 1/4" BSPT Female Straight Connector
	SPCF12-03	12mm x 3/8" BSPT Female Straight Connector
SS316	SPCF12-04	12mm x 1/2" BSPT Female Straight Connector

Male Run Tee (O.D. Tube to Male BSP Thread) SPB

	SPB04-01	4mm x 1/8" BSPT Male Run Tee
	SPB04-02	4mm x 1/4" BSPT Male Run Tee
	SPB06-01	6mm x 1/8" BSPT Male Run Tee
	SPB06-02	6mm x 1/4" BSPT Male Run Tee
	SPB08-01	8mm x 1/8" BSPT Male Run Tee
	SPB08-02	8mm x 1/4" BSPT Male Run Tee
	SPB08-03	8mm x 3/8" BSPT Male Run Tee
	SPB10-02	10mm x 1/4" BSPT Male Run Tee
	SPB10-03	10mm x 3/8" BSPT Male Run Tee
	SPB12-03	12mm x 3/8" BSPT Male Run Tee
	SPB12-04	12mm x 1/2" BSPT Male Run Tee
	SPB14-04	14mm x 1/2" BSPT Male Run Tee *
	SPB16-04	16mm x 1/2" BSPT Male Run Tee
	SPB16-05	16mm x 3/4" BSPT Male Run Tee
SS316		

Push Fit	Model	Description
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Male Swivel Elbow (O.D. Tube to Male BSP Thread) SPL

	SPL04-M5	4mm x M5 BSPT Male Swivel Elbow
	SPL04-01	4mm x 1/8" BSPT Male Swivel Elbow
	SPL04-02	4mm x 1/4" BSPT Male Swivel Elbow
	SPL06-M5	6mm x M5 BSPT Male Swivel Elbow
	SPL06-01	6mm x 1/8" BSPT Male Swivel Elbow
	SPL06-02	6mm x 1/4" BSPT Male Swivel Elbow
	SPL06-03	6mm x 3/8" BSPT Male Swivel Elbow
	SPL08-01	8mm x 1/8" BSPT Male Swivel Elbow
	SPL08-02	8mm x 1/4" BSPT Male Swivel Elbow
	SPL08-03	8mm x 3/8" BSPT Male Swivel Elbow
	SPL10-02	10mm x 1/4" BSPT Male Swivel Elbow
	SPL10-03	10mm x 3/8" BSPT Male Swivel Elbow
	SPL10-04	10mm x 1/2" BSPT Male Swivel Elbow
	SPL12-02	12mm x 1/4" BSPT Male Swivel Elbow
	SPL12-03	12mm x 3/8" BSPT Male Swivel Elbow
	SPL12-04	12mm x 1/2" BSPT Male Swivel Elbow
SS316	SPL14-04	14mm x 1/2" BSPT Male Swivel Elbow *
	SPL16-04	16mm x 1/2" BSPT Male Swivel Elbow
	SPL16-05	16mm x 3/4" BSPT Male Swivel Elbow

Female Swivel Elbow (O.D. Tube to Female BSP Thread) SPLF

	SPLF04-01	4mm x 1/8" BSPT Female Swivel Elbow
	SPLF04-02	4mm x 1/4" BSPT Female Swivel Elbow
	SPLF06-01	6mm x 1/8" BSPT Female Swivel Elbow
	SPLF06-02	6mm x 1/4" BSPT Female Swivel Elbow
	SPLF08-01	8mm x 1/8" BSPT Female Swivel Elbow
	SPLF08-02	8mm x 1/4" BSPT Female Swivel Elbow
	SPLF08-03	8mm x 3/8" BSPT Female Swivel Elbow
	SPLF10-02	10mm x 1/4" BSPT Female Swivel Elbow
	SPLF10-03	10mm x 3/8" BSPT Female Swivel Elbow
	SPLF10-04	10mm x 1/2" BSPT Female Swivel Elbow
	SPLF12-02	12mm x 1/4" BSPT Female Swivel Elbow
	SPLF12-03	12mm x 3/8" BSPT Female Swivel Elbow
SS316	SPLF12-04	12mm x 1/2" BSPT Female Swivel Elbow

Male Branch Tee (O.D. Tube to Male BSP Thread) SPD

	SPD04-01	4mm x 1/8" BSPT Male Branch Tee
	SPD04-02	4mm x 1/4" BSPT Male Branch Tee
	SPD06-01	6mm x 1/8" BSPT Male Branch Tee
	SPD06-02	6mm x 1/4" BSPT Male Branch Tee
	SPD08-01	8mm x 1/8" BSPT Male Branch Tee
	SPD08-02	8mm x 1/4" BSPT Male Branch Tee
	SPD10-02	10mm x 1/4" BSPT Male Branch Tee
	SPD10-03	10mm x 3/8" BSPT Male Branch Tee
	SPD12-03	12mm x 3/8" BSPT Male Branch Tee
	SPD12-04	12mm x 1/2" BSPT Male Branch Tee
	SPD14-04	14mm x 1/2" BSPT Male Branch Tee *
	SPD16-04	16mm x 1/2" BSPT Male Branch Tee
	SPD16-05	16mm x 3/4" BSPT Male Branch Tee
SS316		

* Indent only to order - Minimum quantity required.

Screwed Fittings - Stainless Steel SS316

- 316 Stainless Steel
- Acid cleaned for swarf and contaminants

- 150lb pressure rating (200 psi @ 20°C working pressure)
- All threads are qualified

Fittings	Model	Description
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Nipple Hex • SS316 Body • BSP Threaded

SF27

	SF2701	1/8" BSP Nipple Hex	SS316
	SF2702	1/4" BSP Nipple Hex	
	SF2703	3/8" BSP Nipple Hex	
	SF2704	1/2" BSP Nipple Hex	
	SF2705	3/4" BSP Nipple Hex	
	SF2706	1" BSP Nipple Hex	
	SF2707	1 1/4" BSP Nipple Hex	
	SF2708	1 1/2" BSP Nipple Hex	
	SF2709	2" BSP Nipple Hex	
	SF2710	2 1/2" BSP Nipple Hex	
	SF2711	3" BSP Nipple Hex	
	SF2712	4" BSP Nipple Hex	

Socket • SS316 Body • BSP Threaded

SF26

	SF2601	1/8" BSP Socket Female	SS316
	SF2602	1/4" BSP Socket Female	
	SF2603	3/8" BSP Socket Female	
	SF2604	1/2" BSP Socket Female	
	SF2605	3/4" BSP Socket Female	
	SF2606	1" BSP Socket Female	
	SF2607	1 1/4" BSP Socket Female	
	SF2608	1 1/2" BSP Socket Female	
	SF2609	2" BSP Socket Female	
	SF2610	2 1/2" BSP Socket Female	
	SF2611	3" BSP Socket Female	
	SF2612	4" BSP Socket Female	

Elbow Female to Female • SS316 Body • BSP Threaded

SF34

	SF3401	1/8" BSP Elbow Female & Female	SS316
	SF3402	1/4" BSP Elbow Female & Female	
	SF3403	3/8" BSP Elbow Female & Female	
	SF3404	1/2" BSP Elbow Female & Female	
	SF3405	3/4" BSP Elbow Female & Female	
	SF3406	1" BSP Elbow Female & Female	
	SF3407	1 1/4" BSP Elbow Female & Female	
	SF3408	1 1/2" BSP Elbow Female & Female	
	SF3409	2" BSP Elbow Female & Female	
	SF3410	2 1/2" BSP Elbow Female & Female	
	SF3411	3" BSP Elbow Female & Female	
	SF3412	4" BSP Elbow Female & Female	

Male Barrel Unions • SS316 Body • BSP Threaded • Conical Metal to Metal Seat

SF80

	SF8004	1/2" BSP Union Coupler	SS316
	SF8005	3/4" BSP Union Coupler	
	SF8006	1" BSP Union Coupler	
	SF8007	1 1/4" BSP Union Coupler	
	SF8008	1 1/2" BSP Union Coupler	
	SF8009	2" BSP Union Coupler	
	SF8010	2 1/2" BSP Union Coupler	
	SF8011	3" BSP Union Coupler	
	SF8012	4" BSP Union Coupler	

Fittings	Model	Description
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Elbow Male to Female • SS316 Body • BSP Threaded

SF25

	SF2501	1/8" BSP Elbow Male & Female	SS316
	SF2502	1/4" BSP Elbow Male & Female	
	SF2503	3/8" BSP Elbow Male & Female	
	SF2504	1/2" BSP Elbow Male & Female	
	SF2505	3/4" BSP Elbow Male & Female	
	SF2506	1" BSP Elbow Male & Female	
	SF2507	1 1/4" BSP Elbow Male & Female	
	SF2508	1 1/2" BSP Elbow Male & Female	
	SF2509	2" BSP Elbow Male & Female	
	SF2510	2 1/2" BSP Elbow Male & Female	
	SF2511	3" BSP Elbow Male & Female	
	SF2512	4" BSP Elbow Male & Female	

Tee • SS316 Body • BSP Threaded

SF35

	SF3501	1/8" BSP Tee Female	SS316
	SF3502	1/4" BSP Tee Female	
	SF3503	3/8" BSP Tee Female	
	SF3504	1/2" BSP Tee Female	
	SF3505	3/4" BSP Tee Female	
	SF3506	1" BSP Tee Female	
	SF3507	1 1/4" BSP Tee Female	
	SF3508	1 1/2" BSP Tee Female	
	SF3509	2" BSP Tee Female	
	SF3510	2 1/2" BSP Tee Female	
	SF3511	3" BSP Tee Female	
	SF3512	4" BSP Tee Female	

Plug Hex • SS316 Body • BSP Threaded

SF64

	SF6401	1/8" BSP Plug Hex	SS316
	SF6402	1/4" BSP Plug Hex	
	SF6403	3/8" BSP Plug Hex	
	SF6404	1/2" BSP Plug Hex	
	SF6405	3/4" BSP Plug Hex	
	SF6406	1" BSP Plug Hex	
	SF6407	1 1/4" BSP Plug Hex	
	SF6408	1 1/2" BSP Plug Hex	
	SF6409	2" BSP Plug Hex	
	SF6410	2 1/2" BSP Plug Hex	
	SF6411	3" BSP Plug Hex	
	SF6412	4" BSP Plug Hex	

Adapter Male & Female • SS316 Body • BSP Threaded

SF72

	SF720201	1/4" BSP Female X 1/8" BSP Male Adapter	SS316
	SF720302	3/8" BSP Female X 1/4" BSP Male Adapter	

Adapters • SS316 Body • BSP to NPT

GAUA

	GAUA-02-02N	1/4" BSP Female x 1/4" NPT Male Adapter	SS316
	GAUA-03-03N	3/8" BSP Female x 3/8" NPT Male Adapter	
	GAUA-04-04N	1/2" BSP Female x 1/2" NPT Male Adapter	
	GAUA-05-05N	3/4" BSP Female x 3/4" NPT Male Adapter	
	GAUA-06-06N	1" BSP Female x 1" NPT Male Adapter	
	GAUA-07-07N	1 1/4" BSP Female x 1 1/4" NPT Male Adapter	
	GAUA-08-08N	1 1/2" BSP Female x 1 1/2" NPT Male Adapter	
	GAUA-09-09N	2" BSP Female x 2" NPT Male Adapter	

Screwed Fittings - Stainless Steel SS316

- 316 Stainless Steel
- Acid cleaned for swarf and contaminants

- 150lb pressure rating (200 psi @ 20°C working pressure)
- All threads are qualified

Fittings	Model	Description
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Reducing Bush • SS316 Body • BSP Threaded

SF24

	SF240201	1/4" x 1/8" BSP Reducing Bush	SS316
	SF240301	3/8" x 1/8" BSP Reducing Bush	
	SF240302	3/8" x 1/4" BSP Reducing Bush	
	SF240402	1/2" x 1/4" BSP Reducing Bush	
	SF240403	1/2" x 3/8" BSP Reducing Bush	
	SF240502	3/4" x 1/4" BSP Reducing Bush	
	SF240503	3/4" x 3/8" BSP Reducing Bush	
	SF240504	3/4" x 1/2" BSP Reducing Bush	
	SF240604	1" x 1/2" BSP Reducing Bush	
	SF240605	1" x 3/4" BSP Reducing Bush	
	SF240706	1 1/4" x 1" BSP Reducing Bush	
	SF240806	1 1/2" x 1" BSP Reducing Bush	
	SF240807	1 1/2" x 1 1/4" BSP Reducing Bush	
	SF240906	2" x 1" BSP Reducing Bush	
	SF240907	2" x 1 1/4" BSP Reducing Bush	
	SF240908	2" x 1 1/2" BSP Reducing Bush	
	SF241109	3" x 2" BSP Reducing Bush	
	SF241211	4" x 3" BSP Reducing Bush	

Reducing Nipple • SS316 Body • BSP Threaded

SF73

	SF730201	1/4" x 1/8" BSP Nipple Reducing	SS316
	SF730301	3/8" x 1/8" BSP Nipple Reducing	
	SF730302	3/8" x 1/4" BSP Nipple Reducing	
	SF730402	1/2" x 1/4" BSP Nipple Reducing	
	SF730403	1/2" x 3/8" BSP Nipple Reducing	
	SF730504	3/4" x 1/2" BSP Nipple Reducing	
	SF730604	1" x 1/2" BSP Nipple Reducing	
	SF730605	1" x 3/4" BSP Nipple Reducing	
	SF730706	1 1/4" x 1" BSP Nipple Reducing	
	SF730806	1 1/2" x 1" BSP Nipple Reducing	
	SF730807	1 1/2" x 1 1/4" BSP Nipple Reducing	
	SF730906	2" x 1" BSP Nipple Reducing	
	SF730907	2" x 1 1/4" BSP Nipple Reducing	
	SF730908	2" x 1 1/2" BSP Nipple Reducing	
	SF731009	2 1/2" x 2" BSP Nipple Reducing	
	SF731109	3" x 2" BSP Nipple Reducing	
	SF731110	3" x 2 1/2" BSP Nipple Reducing	
	SF731209	4" x 2" BSP Nipple Reducing	
	SF731210	4" x 2 1/2" BSP Nipple Reducing	
	SF731211	4" x 3" BSP Nipple Reducing	

Fittings	Model	Description
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Hose Tail • SS316 Body • BSP Threaded

SF30

	SF300102	1/8" BSP x 1/4" Tail	SS316
	SF300202	1/4" BSP x 1/4" Tail	
	SF300302	3/8" BSP x 1/4" Tail	
	SF300102.5	1/8" BSP x 5/16" Tail	
	SF300202.5	1/4" BSP x 5/16" Tail	
	SF300302.5	3/8" BSP x 5/16" Tail	
	SF300203	1/4" BSP x 3/8" Tail	
	SF300303	3/8" BSP x 3/8" Tail	
	SF300403	1/2" BSP x 3/8" Tail	
	SF300204	1/4" BSP x 1/2" Tail	
	SF300304	3/8" BSP x 1/2" Tail	
	SF300404	1/2" BSP x 1/2" Tail	
	SF300504	3/4" BSP x 1/2" Tail	
	SF300405	1/2" BSP x 3/4" Tail	
	SF300505	3/4" BSP x 3/4" Tail	
	SF300606	1" BSP x 1" Tail	
	SF300707	1 1/4" BSP x 1 1/4" Tail	
	SF300808	1 1/2" BSP x 1 1/2" Tail	
	SF300909	2" BSP x 2" Tail	

Nitto Type Couplers - Stainless Steel SS304 - 15Bar Working Pressure

PM Male Adaptor (SS304)		
	1/4 BSPM	S - 20PM
	3/8 BSPM	S - 30PM
	1/2 BSPM	S - 40PM

PF Female Adaptor (SS304)		
	1/4 BSPF	S - 20PF
	3/8 BSPF	S - 30PF
	1/2 BSPF	S - 40PF

PH Hose Barb (SS304)		
	8mm I.D. Hose	S - 20PH
	10mm I.D. Hose	S - 30PH
	12mm I.D. Hose	S - 40PH

SM Male Coupler (SS304)		
	1/4 BSPM	S - 20SM
	3/8 BSPM	S - 30SM
	1/2 BSPM	S - 40SM

SF Female Coupler (SS304)		
	1/4 BSPF	S - 20SF
	3/8 BSPF	S - 30SF
	1/2 BSPF	S - 40SF

SH Hose Barb Coupler (SS304)		
	8mm I.D. Hose	S - 20SH
	10mm I.D. Hose	S - 30SH
	12mm I.D. Hose	S - 40SH



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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.

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