



VALVE CATALOGUE

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

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


AIR / FLUID / AQUACULTURE 2 Way - Spring Return Pneumatic

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


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

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


AIR / FLUID / AQUACULTURE 2 Way - Manual Handle

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


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

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

AIR / FLUID / AQUACULTURE PVC Butterfly Valve

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

AIR / FLUID / AQUACULTURE PVC Diaphragm Valve

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

Also available in this range: PVC Ball Check Valves 1/2"~2"
PVC Swing Check Valves 2 1/2"~6"
PVC Foot Valves 1/2"~2"
PVC Flange 1/2"~12" Solvent Weld
Plus other PVC products

**BRASS 2pc
Nickel Plated**

AIR / FLUID



Series BLB
Double Acting
Ball Valve
Brass Body

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

AIR / FLUID



Series BLB
Spring
Return
Acting
Ball Valve
Brass Body

Model	Actuator	Port Size BSP	Orifice Ømm	Media Pressure	Media Temperature	Actuator Air Pressure	Material of Construction	Features
2 Way - Spring Return Pneumatic								
BLB54B - SR - T	SR50	1/2	15	Vacuum	-20°C	6-8 BAR	Body: Brass	Direct Mount Compact Design. Standard with aluminium actuator.
BLB55B - SR - T	SR50	3/4	20				Ball: SS304	
BLB56B - SR - T	SR50	1	25				PTFE Seats	
BLB57B - SR - T	SR63	1-1/4	32	16 BAR	120°C	6-8 BAR	Viton Seals	
BLB58B - SR - T	SR75	1-1/2	40					
BLB59B - SR - T	SR88	2	50					

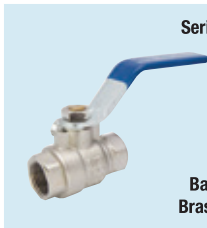
AIR / FLUID



Series BLB
Electric
Actuated
Ball Valve
Brass Body

Model	Actuator	Port Size BSP	Orifice Ømm	Media Pressure	Media Temperature	Actuator Air Pressure	Material of Construction	Features
2 Way - Electric On/Off								
BLB4B - E* - T	OM-1	1/2	15	Vacuum	-20°C	E1=240VAC E2=110VAC E5=24VAC E7=12VDC E8=24VDC	Body: Brass BSP	2 piece Compact Brass ball valve with electric actuator.
BLB5B - E* - T	OM-1	3/4	20					
BLB6B - E* - T	OM-1	1	25			16 BAR		120°C
BLB7B - E* - T	OM-1	1-1/4	32					
BLB8B - E* - T	OM-1	1-1/2	40					
BLB9B - E* - A	OM-A	2	50				Viton Seals	See Series 'OM' for actuator details. P26

AIR / FLUID



Series BVB
Ball Valve
Brass Body

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

AIR / FLUID



Series MBM
Mini Ball Valve
Plated Brass Body

Model	Actuator	Port Size BSP	Orifice Ømm	Media Pressure	Media Temperature	Actuator Air Pressure	Material of Construction	Features
Handle · 2 Piece · Mini								
MBVM - 02	I	1/4	8	Vacuum	0°C			Body: 2 Piece Chrome Plated Brass
MBVM - 03	HANDLE	3/8	8	16 BAR	80°C			
MBVM - 04	I	1/2	10					

AIR / FLUID




Series MBF
Mini Ball Valve
Plated Brass Body


Model	Actuator	Port Size BSP	Orifice Ømm	Media Pressure	Media Temperature	Actuator Air Pressure	Material of Construction	Features
Handle · 2 Piece · Mini								
MBVF - 02	I	1/4	8	Vacuum	0°C			Body: 2 Piece Chrome Plated Brass
MBVF - 03	HANDLE	3/8	8	16 BAR	80°C			
MBVF - 04	I	1/2	10					


– (std. = Standard Product).


* VOLTAGE CODE: 1 = 240VAC, 2 = 110VAC, 5 = 24VAC, 7 = 12VDC, 8 = 24VDC, 11 = 415AC
• ELASTOMER CODE: V = Viton, S = Silicone, T = PTFE, E = EPDM, N = NBR Nitrile,
NC = Normally closed, NO = Normally open


**SS316 3pc
Threaded**

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

Model	Actuator	Port Size BSP	Orifice Ømm	Media Pressure	Media Temperature	Actuator Air Pressure	Material of Construction	Features	
AIR / FLUID / STEAM / PETROCHEMICAL Spring Return Pneumatic									
 <p>Series BLS Spring Return 316 Stainless Steel Body</p>	BLS52B - SR - RT	SR50	1/4	8	70 BAR	-20°C	6-8 BAR	Body: 3 piece 316 Stainless Steel. BSP Threaded. Filled Seats: Filled PTFE = RT	Direct Mount. High Pad Self Adjusting Stem Packing
	BLS53B - SR - RT	SR50	3/8	10	W.O.G.	Vacuum			
	BLS54B - SR - RT	SR50	1/2	15	10 BAR				
	BLS55B - SR - RT	SR50	3/4	20					
	BLS56B - SR - RT	SR63	1	25					
	BLS57B - SR - RT	SR75	1-1/4	32					
	BLS58B - SR - RT	SR88	1-1/2	40			180°C		
	BLS59B - SR - RT	SR88	2	50					
	BLS510B - SR - RT	SR100	2-1/2	63					
	BLS511B - SR - RT	SR115	3	80					
	BLS512B - SR - RT	SR125	4	100					
	Optional: NPT Threaded • Butt Weld • Socket Weld Ends For normally open function change 4th digit to 6							6-8 BAR	Optional: Flanges Buttweld Socket weld NPT
								Optional De-Clutch Unit. See page 38	

Model	Actuator	Port Size BSP	Orifice Ømm	Media Pressure	Media Temperature	Actuator Air Pressure	Material of Construction	Features	
AIR / FLUID / STEAM / PETROCHEMICAL Electric On/Off									
 <p>Series BLS Electric Actuated 316 Stainless Steel Body</p>	BLS2B - E* - RT	OM-1	1/4	8	70 BAR	-20°C	E1=240VAC E2=110VAC E5=24VAC E7=12VDC E8=24VDC E11=415VAC	Body: 3 piece 316 Stainless Steel. (As above)	Direct Mount. High Pad Self Adjusting Stem Packing
	BLS3B - E* - RT	OM-1	3/8	10	W.O.G.	Vacuum			
	BLS4B - E* - RT	OM-1	1/2	15	10 BAR				
	BLS5B - E* - RT	OM-1	3/4	20					
	BLS6B - E* - RT	OM-1	1	25					
	BLS7B - E* - RT	OM-1	1-1/4	32					
	BLS8B - E* - RT	OM-1	1-1/2	40			180°C		
	BLS9B - E* - RT	OM-A	2	50					
	BLS10B - E* - RT	OM-2	2-1/2	63					
	BLS11B - E* - RT	OM-3	3	80					
	BLS12B - E* - RT	OM-3	4	100					
	Optional: NPT Threaded • Butt Weld • Socket Weld Ends								Seats: Filled PTFE = RT
								Optional: Flanges Buttweld Socket weld NPT	Also available as Spring Close

Model	Actuator	Port Size BSP	Orifice Ømm	Media Pressure	Media Temperature	Actuator Air Pressure	Material of Construction	Features	
AIR / FLUID / STEAM / PETROCHEMICAL Lever. Lockable. 3 Piece • Optional Gear Box Control or Spring Close Lever									
 <p>Series BLS</p>	BLS2B - L - RT	Lever	1/4	8	70 BAR	-20°C	□ Shaft 9mm	Body: 3 piece 316 Stainless Steel. BSP Threaded. Filled Seats: Filled PTFE = RT	Direct Mount. High Pad Self Adjusting Stem Packing
	BLS3B - L - RT	Lever	3/8	10	W.O.G.	Vacuum			
	BLS4B - L - RT	Lever	1/2	15	10 BAR				
	BLS5B - L - RT	Lever	3/4	20					
	BLS6B - L - RT	Lever	1	25					
	BLS7B - L - RT	Lever	1-1/4	32					
	BLS8B - L - RT	Lever	1-1/2	40			180°C		
	BLS9B - L - RT	Lever	2	50					
	BLS10B - L - RT	Lever	2-1/2	63					
	BLS11B - L - RT	Lever	3	80					
	BLS12B - L - RT	Lever	4	100					
	Optional: NPT Threaded • Butt Weld • Socket Weld Ends • Spring Close Lever							□ Shaft 9mm	Optional: Flanges Buttweld Socket weld NPT
							11mm		Also available with Gear Box. See page 38
							14mm		
							17mm		
							19mm		
								'Dead Man' Handle Optional up to 2"	

Model	Actuator	Port Size BSP	Orifice Ømm	Media Pressure	Media Temperature	Actuator Air Pressure	Material of Construction	Features	
AIR / FLUID Lever. Lockable. 2 Piece									
 <p>Series BVS</p>	BVS2B - L - T	Lever	1/4	8	55 BAR	-20°C	Body: 2 piece 316 Stainless Steel. BSP Threaded. Seats: PTFE	Lockable Lever	
	BVS3B - L - T	Lever	3/8	10	Vacuum				
	BVS4B - L - T	Lever	1/2	15		10 BAR			
	BVS5B - L - T	Lever	3/4	20					
	BVS6B - L - T	Lever	1	25					
	BVS7B - L - T	Lever	1-1/4	32					
	BVS8B - L - T	Lever	1-1/2	40					120°C
	BVS9B - L - T	Lever	2	50					
	BVS10B - L - T	Lever	2-1/2	65					
	BVS11B - L - T	Lever	3	80					
	BVS12B - L - T	Lever	4	100					

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

- (std. = Standard Product).

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* VOLTAGE CODE: 1 = 240VAC, 2 = 110VAC, 5 = 24VAC, 7 = 12VDC, 8 = 24VDC, 11 = 415AC
• ELASTOMER CODE: V = Viton, S = Silicone, T = PTFE, E = EPDM, N = NBR Nitrile,
NC = Normally closed, NO = Normally open

**SS316 3 way
Threaded**

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



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

AIR / FLUID / STEAM / PETROCHEMICAL Spring Return Pneumatic



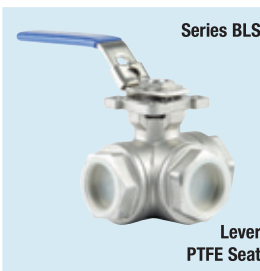
BLS3L2B - SR - RT	SR50	1/4	8	68 BAR	-20°C	6-8 BAR	Body: 316 Stainless Steel Seats Filled PTFE = RT 3 Way 3L = L Port 3T = T Port	Compact Design Standard with aluminium actuator. Optional Stainless Steel Actuator							
BLS3L3B - SR - RT	SR50	3/8	10	W.O.G.											
BLS3L4B - SR - RT	SR50	1/2	12				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

AIR / FLUID / STEAM / PETROCHEMICAL Electric On/Off



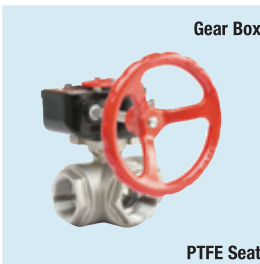
BLS3L2B - E* - RT	OM-1	1/4	8	68 BAR	-20°C	E1=240VAC	Body: 316 Stainless Steel Seats Filled PTFE = RT 3 Way 3L = L Port 3T = T Port	Electric Actuator See Series 'OM' for actuator details Also available as Spring Close P26											
BLS3L3B - E* - RT	OM-1	3/8	10	W.O.G.		E2=110VAC													
BLS3L4B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

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



BLS3L2B - L - RT	Lever	1/4	9.5	68 BAR	-20°C	9mm	Body: 316 Stainless Steel Seats Filled PTFE = RT 3 Way L Port or T Port	Compact Design Lockable Lever Spring Close Lever Optional for Smaller Sizes							
BLS3L3B - L - RT		3/8	9.5	W.O.G.											
BLS3L4B - L - RT		1/2	12												
BLS3L5B - L - RT		3/4	15												
BLS3L6B - L - RT		1	20												
BLS3L7B - L - RT		1-1/4	25												
BLS3L8B - L - RT		1-1/2	32												
BLS3L9B - L - RT		2	40												
BLS3L10B - L - RT		2-1/2	50												
BLS3L11B - L - RT		3	65												
				14mm											
				17mm											
3L = 'L' Port 3T = 'T' Port — For Flanged 3 Way Full Bore to 4" refer to page 17															
						<input type="checkbox"/> Shaft									

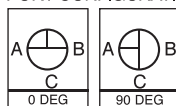
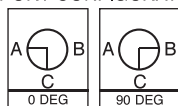
AIR / FLUID / STEAM / PETROCHEMICAL L Port or T Port Gear Box



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

'L' PORT CONFIGURATION

'T' PORT CONFIGURATION



REFER TO PAGE 9 & 10 FOR SUITABLE SOLENOID CONTROL VALVE

— (std. = Standard Product).

* VOLTAGE CODE: 1 = 240VAC, 2 = 110VAC, 5 = 24VAC, 7 = 12VDC, 8 = 24VDC, 11 = 415AC
• ELASTOMER CODE: V = Viton, S = Silicone, T = PTFE, E = EPDM, N = NBR Nitrile,
NC = Normally closed, NO = Normally open

SS316 3 way Flanged

AIR / FLUID / STEAM / PETROCHEMICAL



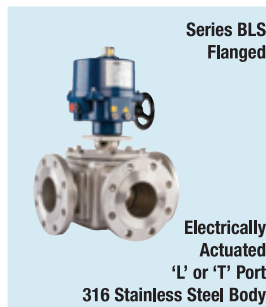
Model	Actuator	Flanged ANSI 150	Orifice Ømm	Media Pressure AM6	Media Temperature	Actuator Air Pressure	Material of Construction	Features
Double Acting Pneumatic								
BLS3L4FA - DA - RT	DA50	ANSI 150 RF	15	20 BAR	-20°C	6-8 BAR	Body: 316 Stainless Steel Seats: Filled PTFE = RT 3 Way 3L = L Port 3T = T Port	ISO Pad Mounting Full Flow Standard with aluminium actuator, Optional Stainless Steel Actuator
BLS3L5FA - DA - RT	DA63		20	W.O.G.	180°C	6-8 BAR Air Pressure		
BLS3L6FA - DA - RT	DA63		25	Vacuum				
BLS3L7FA - DA - RT	DA75		32		10 BAR STEAM			
BLS3L8FA - DA - RT	DA75		40					
BLS3L9FA - DA - RT	DA88		50					
BLS3L10FA - DA - RT	DA100		65					
BLS3L11FA - DA - RT	DA115		80					
BLS3L12FA - DA - RT	DA125		100					
3L = L Port 3T = T Port • Optional ANSI 300 • WCB (Cast Steel) Optional								

AIR / FLUID / STEAM / PETROCHEMICAL



Model	Actuator	Flanged ANSI 150	Orifice Ømm	Media Pressure AM6	Media Temperature	Actuator Air Pressure	Material of Construction	Features
Spring Return Pneumatic								
BLS3L4FA - SR - RT	SR63	ANSI 150 RF	15	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 Full Flow Standard with aluminium actuator, Optional Stainless Steel Actuator
BLS3L5FA - SR - RT	SR75		20	W.O.G.	180°C	6-8 BAR Air Pressure		
BLS3L6FA - SR - RT	SR75		25	Vacuum				
BLS3L7FA - SR - RT	SR88		32		10 BAR STEAM			
BLS3L8FA - SR - RT	SR100		40					
BLS3L9FA - SR - RT	SR115		50					
BLS3L10FA - SR - RT	SR125		65					
BLS3L11FA - SR - RT	SR145		80					
BLS3L12FA - SR - RT	SR160		100					
3L = L Port 3T = T Port • Optional ANSI 300 • WCB (Cast Steel) Optional								

AIR / FLUID / STEAM / PETROCHEMICAL



Model	Actuator	Flanged ANSI 150	Orifice Ømm	Media Pressure AM6	Media Temperature	Actuator Air Pressure	Material of Construction	Features
Electric On/Off								
BLS3L4FA - E* - RT	OM-1	ANSI 150 RF	15	20 BAR	-20°C	E1=240VAC E2=110VAC E5=24VAC E7=12VDC E8=24VDC E11=415VAC	Body: 316 Stainless Steel Seats: Filled PTFE = RT 3 Way 3L = L Port 3T = T Port	Electric Actuator See Series 'OM' for actuator details P26 Also Available as Spring Close P26 Optional 4 Way
BLS3L5FA - E* - RT	OM-1		20	W.O.G.	180°C			
BLS3L6FA - E* - RT	OM-1		25	Vacuum				
BLS3L7FA - E* - RT	OM-A		32		10 BAR STEAM			
BLS3L8FA - E* - RT	OM-2		40					
BLS3L9FA - E* - RT	OM-2		50					
BLS3L10FA - E* - RT	OM-3		65					
BLS3L11FA - E* - RT	OM-4		80					
BLS3L12FA - E* - RT	OM-4		100					
3L = L Port 3T = T Port • Optional ANSI 300 • WCB (Cast Steel) Optional								

AIR / FLUID / STEAM / PETROCHEMICAL



Model	Actuator	Flanged ANSI 150	Orifice Ømm	Media Pressure AM6	Media Temperature	Actuator Air Pressure	Material of Construction	Features	
Lever Lockable									
BLS3L4FA - L - RT	LEVER	ANSI 150 RF	15	20 BAR	-20°C	9mm 11mm 14mm 17mm 22mm	Body: 316 Stainless Steel Seats: Filled PTFE = RT 3 Way 3L = L Port 3T = T Port	ISO Pad Mounting Lockable Optional 4 Way	
BLS3L5FA - L - RT	LEVER		20	W.O.G.	180°C				
BLS3L6FA - L - RT			25	Vacuum					
BLS3L7FA - L - RT			32		10 BAR STEAM				
BLS3L8FA - L - RT			40						
BLS3L9FA - L - RT			50						
BLS3L10FA - L - RT			65						
BLS3L11FA - L - RT			80						
BLS3L12FA - L - RT			100						
3L = L Port 3T = T Port • Optional ANSI 300 • WCB (Cast Steel) Optional									

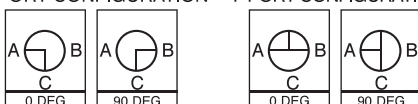
AIR / FLUID / STEAM / PETROCHEMICAL



Model	Actuator	Flanged ANSI 150	Orifice Ømm	Media Pressure AM6	Media Temperature	Actuator Air Pressure	Material of Construction	Features
Gear Box • L/T Port								
BLS3L8FA - G - RT	GB1	ANSI 150 RF	40	20 BAR	-20°C		Body: 316 Stainless Steel Seats: Filled PTFE = RT 3 Way 3L = L Port 3T = T Port	ISO Pad Mounting Visual Indicator Optional 4 Way
BLS3L9FA - G - RT	GB2		50	W.O.G.	180°C			
BLS3L10FA - G - RT	GB2		65	VACUUM				
BLS3L11FA - G - RT	GB2		80	10 BAR STEAM				
BLS3L12FA - G - RT	GB3		100					
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



– (std. = Standard Product).

- * VOLTAGE CODE: 1 = 240VAC, 2 = 110VAC, 5 = 24VAC, 7 = 12VDC, 8 = 24VDC, 11 = 415AC
- ELASTOMER CODE: V = Viton, S = Silicone, T = PTFE, E = EPDM, N = NBR Nitrile, NC = Normally closed, NO = Normally open



ANSI-150 Optional ANSI-300	Actuator	Flanged ANSI 150	Orifice Ømm	Media Pressure	Media Temperature	Actuator Air Pressure	Material of Construction	Features
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AIR / FLUID / STEAM / PETROCHEMICAL Double Acting Pneumatic • ANSI / API 607 6th Edition

<p>Series BLSF Double Acting 316 Stainless Steel Body</p>	BLSF4FA - DA - RT	DA50	ANSI 150 RF	15	20 BAR W.O.G.	-20°C	6-8 BAR	Body: 2 piece 316 Stainless Steel ANSI 150 RF Seats: Carbon Filled PTFE Optional: Limit Switch, De-Clutch Gear Box	Direct Mount, High Pad Self Adjusting Stem Packing Actuator-std. aluminium Optional Stainless Steel API 607 6th Edition # 218781 15~100mm # 229467 150~300mm
	BLSF5FA - DA - RT	DA50		20					
	BLSF6FA - DA - RT	DA50		25					
	BLSF7FA - DA - RT	DA63		32	Vacuum				
	BLSF8FA - DA - RT	DA63		40					
	BLSF9FA - DA - RT	DA75		50					
	BLSF10FA - DA - RT	DA88		63	10 BAR Steam				
	BLSF11FA - DA - RT	DA100		80					
	BLSF12FA - DA - RT	DA115		100					
	BLS13FA - DA - RT	DA145		125	180°C				
	BLSF14FA - DA - RT	DA160		150					
	BLSF15FA - DA - RT	DA180		200					
	BLSF16FA - DA - RT	DA200		250					
BLSF17FA - DA - RT	DA240	300							
Optional ANSI 300 Code contact factory									

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

<p>Series BLSF Spring Return 316 Stainless Steel Body</p>	BLSF54FA - SR - RT	SR50	ANSI 150 RF	15	20 BAR W.O.G.	-20°C	6-8 BAR	Body: 2 piece 316 Stainless Steel ANSI 150 RF Seats: Carbon Filled PTFE Optional: Limit Switch, De-Clutch Gear Box	Direct Mount, High Pad Self Adjusting Stem Packing Actuator-std. aluminium Optional Stainless Steel API 607 6th Edition # 218781 15~100mm # 229467 150~300mm
	BLSF55FA - SR - RT	SR63		20					
	BLSF56FA - SR - RT	SR75		25					
	BLSF57FA - SR - RT	SR75		32	Vacuum				
	BLSF58FA - SR - RT	SR88		40					
	BLSF59FA - SR - RT	SR100		50					
	BLSF10FA - SR - RT	SR115		63	10 BAR Steam				
	BLSF11FA - SR - RT	SR125		80					
	BLSF12FA - SR - RT	SR145		100					
	BLS13FA - SR - RT	SR180		125	180°C				
	BLSF14FA - SR - RT	SR200		150					
	BLSF15FA - SR - RT	SR240		200					
	BLSF16FA - SR - RT	SR270		250					
For normally open function change 5th digit to 6 – Optional ANSI 300 Code contact factory									

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

<p>Series BLSF Electric Actuated 316 Stainless Steel Body</p>	BLSF4FA - E* - RT	OM-1	ANSI 150 RF	15	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: Carbon Filled PTFE	Direct Mount, High Pad Self Adjusting Stem Packing see Series 'OM' for Actuator details P26 Also available as Spring Close with Exd IECE P26 API 607 6th Edition # 218781 15~100mm # 229467 150~300mm
	BLSF5FA - E* - RT	OM-1		20					
	BLSF6FA - E* - RT	OM-1		25					
	BLSF7FA - E* - RT	OM-1		32	VACUUM				
	BLSF8FA - E* - RT	OM-A		40					
	BLSF9FA - E* - RT	OM-2		50					
	BLSF10FA - E* - RT	OM-2		63	10 BAR STEAM				
	BLSF11FA - E* - RT	OM-3		80					
	BLSF12FA - E* - RT	OM-4		100					
	BLS13FA - E* - RT	OM-4		125	180°C				
	BLSF14FA - E* - RT	OM-5		150					
	BLSF15FA - E* - RT	OM-6		200					
	BLSF16FA - E* - RT	OM-8		250					
BLSF17FA - E* - RT	OM-10	300							
Optional ANSI 300 Code contact factory									

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

<p>Series BLSF ANSI-150 Flange Lever Handle</p>	BLSF4FA - L - RT	LEVER	ANSI 150 RF	15	20 BAR W.O.G.	-20°C	9mm	Body: 2 piece 316 Stainless Steel ANSI 150 RF Seats: Carbon Filled PTFE	Direct Mount, High Pad Self Adjusting Stem Packing Lockable Lever API 607 6th Edition # 218781 15~100mm # 229467 150~300mm
	BLSF5FA - L - RT			20					
	BLSF6FA - L - RT			25					
	BLSF7FA - L - RT			32	Vacuum				
	BLSF8FA - L - RT			40					
	BLSF9FA - L - RT			50					
	BLSF10FA - L - RT			65	10 BAR Steam				
	BLSF11FA - L - RT			80					
	BLSF12FA - L - RT			100					
	BLS13FA - L - RT			125	180°C				
	BLSF14FA - L - RT			150					
	BLSF15FA - L - RT			200					
	BLSF16FA - L - RT	LEVER			250				
Optional ANSI 300 Code contact factory • Spring Close Lever Optional on Smaller Sizes									
							<input type="checkbox"/> Shaft		

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

<p>Series BLSF ANSI-150 Flange Gear Box</p>	BLSF8FA - G - RT	GB1	ANSI 150 RF	40	20 BAR W.O.G.	-20°C	Body: 2 piece 316 Stainless Steel ANSI 150 RF Seats: Carbon Filled PTFE	Direct Mount, High Pad Self Adjusting Stem Packing API 607 6th Edition # 218781 15~100mm # 229467 150~300mm
	BLSF9FA - G - RT	GB1		50				
	BLSF10FA - G - RT	GB2		65				
	BLSF11FA - G - RT	GB2		80	Vacuum			
	BLSF12FA - G - RT	GB2		100				
	BLS13FA - G - RT	GB3		125				
	BLSF14FA - G - RT	GB4		150	10 BAR Steam			
	BLSF15FA - G - RT	GB4		200				
BLSF16FA - G - RT	GB5	250						
BLSF17FA - G - RT	GB6	300						
Optional ANSI 300 Code contact factory								

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

– (std. = Standard Product).



ANSI-150 Optional ANSI-300	Actuator	ANSI 150 RF	Orifice Ømm	Media Pressure	Media Temperature	Actuator Air Pressure	Material of Construction	Features
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AIR / FLUID / STEAM / PETROCHEMICAL Double Acting Pneumatic • ANSI / API 607 6th Edition

<p>Series BLCF Double Acting Carbon Steel Body</p>	BLCF4FA - DA - RT	DA50	ANSI 150 RF	15	20 BAR W.O.G.	-20°C	6-8 BAR	Body: 2 piece Carbon Steel ANSI 150 RF Seats: Carbon Filled PTFE Optional: Limit Switch. De-Clutch Gear Box	Direct Mount. High Pad Self Adjusting Stem Packing Actuator- std. aluminium Optional Stainless Steel API 607 6th Edition # 218781 15~100mm # 229467 150~300mm
	BLCF5FA - DA - RT	DA50		20					
	BLCF6FA - DA - RT	DA50		25					
	BLCF7FA - DA - RT	DA63		32					
	BLCF8FA - DA - RT	DA63		40					
	BLCF9FA - DA - RT	DA75		50					
	BLCF10FA - DA - RT	DA88		63					
	BLCF11FA - DA - RT	DA100		80					
	BLCF12FA - DA - RT	DA115		100					
	BLCF13FA - DA - RT	DA145		125					
	BLCF14FA - DA - RT	DA160		150					
	BLCF15FA - DA - RT	DA180		200					
	BLCF16FA - DA - RT	DA200		250					
	BLCF17FA - DA - RT	DA240		300					
Optional ANSI 300 Code contact factory									

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

<p>Series BLCF Spring Return Carbon Steel Body</p>	BLCF54FA - SR - RT	SR50	ANSI 150 RF	15	20 BAR W.O.G.	-20°C	6-8 BAR	Body: 2 piece Carbon Steel ANSI 150 RF Seats: Carbon Filled PTFE Optional: Limit Switch. De-Clutch Gear Box	Direct Mount. High Pad Self Adjusting Stem Packing Actuator- std. aluminium Optional Stainless Steel API 607 6th Edition # 218781 15~100mm # 229467 150~300mm
	BLCF55FA - SR - RT	SR63		20					
	BLCF56FA - SR - RT	SR75		25					
	BLCF57FA - SR - RT	SR75		32					
	BLCF58FA - SR - RT	SR88		40					
	BLCF59FA - SR - RT	SR100		50					
	BLCF510FA - SR - RT	SR115		63					
	BLCF511FA - SR - RT	SR125		80					
	BLCF512FA - SR - RT	SR145		100					
	BLCF513FA - SR - RT	SR180		125					
	BLCF514FA - SR - RT	SR200		150					
	BLCF515FA - SR - RT	SR240		200					
	BLCF516FA - SR - RT	SR270		250					
	For normally open function change 5th digit to 6 – Optional ANSI 300 Code contact factory								

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

<p>Series BLCF Electric Actuated Carbon Steel Body</p>	BLCF4FA - E* - RT	OM-1	ANSI 150 RF	15	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: Carbon Filled PTFE	Direct Mount. High Pad Self Adjusting Stem Packing see Series 'OM' for Actuator details P26 Also available as Spring Close P26 API 607 6th Edition # 218781 15~100mm # 229467 150~300mm
	BLCF5FA - E* - RT	OM-1		20					
	BLCF6FA - E* - RT	OM-1		25					
	BLCF7FA - E* - RT	OM-1		32					
	BLCF8FA - E* - RT	OM-A		40					
	BLCF9FA - E* - RT	OM-2		50					
	BLCF10FA - E* - RT	OM-2		63					
	BLCF11FA - E* - RT	OM-3		80					
	BLCF12FA - E* - RT	OM-4		100					
	BLCF13FA - E* - RT	OM-4		125					
	BLCF14FA - E* - RT	OM-5		150					
	BLCF15FA - E* - RT	OM-6		200					
	BLCF16FA - E* - RT	OM-8		250					
	BLCF17FA - E* - RT	OM-10		300					
Optional ANSI 300 Code contact factory									

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

<p>Series BLCF ANSI-150 Flange Lever Handle Carbon Steel Body</p>	BLCF4FA - L - RT	LEVER	ANSI 150 RF	15	20 BAR W.O.G.	-20°C	9mm	Body: 2 piece Carbon Steel ANSI 150 RF Seats: Carbon Filled PTFE	Direct Mount. High Pad Self Adjusting Stem Packing Lockable Lever API 607 6th Edition # 218781 15~100mm # 229467 150~300mm
	BLCF5FA - L - RT			20					
	BLCF6FA - L - RT			25					
	BLCF7FA - L - RT			32					
	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					
	BLCF16FA - L - RT			250					
	Optional ANSI 300 Code contact factory • Spring Close Lever Optional on Smaller Sizes								
							<input type="checkbox"/> Shaft		

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

<p>Series BLCF ANSI-150 Flange Gear Box Carbon Steel Body</p>	BLCF8FA - G - RT	GB1	ANSI 150 RF	40	20 BAR W.O.G.	-20°C		Body: 2 piece Carbon Steel ANSI 150 RF Seats: Carbon Filled PTFE	Direct Mount. High Pad Self Adjusting Stem Packing API 607 6th Edition # 218781 15~100mm # 229467 150~300mm
	BLCF9FA - G - RT	GB1		50					
	BLCF10FA - G - RT	GB2		65					
	BLCF11FA - G - RT	GB2		80					
	BLCF12FA - G - RT	GB2		100					
	BLC13FA - G - RT	GB3		125					
	BLCF14FA - G - RT	GB4		150					
	BLCF15FA - G - RT	GB4		200					
	BLCF16FA - G - RT	GB5		250					
	BLCF17FA - G - RT	GB6		300					
Optional ANSI 300 Code contact factory									

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

– (std. = Standard Product).
* VOLTAGE CODE: 1 = 240VAC, 2 = 110VAC, 5 = 24VAC, 7 = 12VDC, 8 = 24VDC, 11 = 415AC
• ELASTOMER CODE: V = Viton, S = Silicone, T = PTFE, E = EPDM, N = NBR Nitrile, NC = Normally closed, NO = Normally open



**SS316 3pc
V Port**

Model	Actuator		Port Size BSP	Modulating Controller 4-20mA 1-10VDC	Media Pressure	Media Temperature	Actuator Air Pressure	Material of Construction	Features
	Lever	Gear Box							

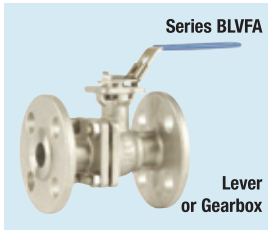
AIR / FLUID / STEAM / PETROCHEMICAL • Lever. Lockable. 3 Piece • V Port 60° Standard • V Port 30° Optional



BLV4B - L - T60	L		1/2		70 BAR	-20°C		Body: 3 piece 316 Stainless Steel. BSP Threaded. Filled Seats: 25% Carbon filled PTFE Optional: Buttweld Socket weld NPT	Direct Mount. High Pad Self Adjusting Stem Packing Lockable Lever Optional: Gearbox
BLV5B - L - T60	L		3/4		W.O.G.				
BLV6B - L - T60	L		1						
BLV8B - L - T60	L	GB1	1-1/2		Vacuum				
BLV9B - L - T60	L	GB1	2						
BLV11B - L - T60	L	GB2	3		10 BAR	180°C			
BLV12B - L - T60	L	GB2	4		Steam using R.T Seat				

Change 'L' to 'G' for Gear box

AIR / FLUID / STEAM / PETROCHEMICAL • Lever. Lockable. 3 Piece • V Port 60° Standard • V Port 30° Optional



BLV4FA - L - T60	L		15	ANSI 150 RF	70 BAR	-20°C	Body: 2 piece 316 Stainless Steel. Seats: 25% Carbon filled PTFE Flanged ANSI 150 RF	Direct Mount. High Pad Self Adjusting Stem Packing Lockable Lever /Gearbox	
BLV5FA - L - T60	L		20			W.O.G.			
BLV6FA - L - T60	L		25						
BLV8FA - L - T60	L	GB1	40			Vacuum			
BLV9FA - L - T60	L	GB1	50						
BLV11FA - L - T60	L	GB2	80			10 BAR			180°C
BLV12FA - L - T60	L	GB2	100			Steam using R.T. Seat			
BLV14FA - L - T60	L	GB4	150						
BLV15FA - L - T60	L	GB4	200						

Change 'L' to 'G' for Gear box

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

Valve Model	Size	Actuator	Control	Air	Features
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PNEUMATIC

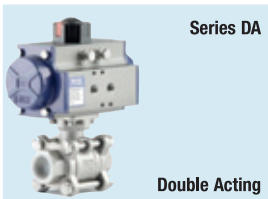
4-20ma Input / Output, 1-10VDC, 2-5VDC



BLV4B - EM* - T60	15	OM - 1M - *	Includes: Input 4-20mA 1-5VDC, 2-10VDC Output 4-20mA	6-8 BAR	Body Actuator: Die Cast Aluminium Coating: FBE Protection: IP67 Visual Indicator Optional: SS316 Housing Explosive Atmospheres Manual Override
BLV5B - EM* - T60	20	OM - 1M - *			
BLV6B - EM* - T60	25	OM - 1M - *			
BLV8B - EM* - T60	40	OM - AM - *			
BLV9B - EM* - T60	50	OM - 2M - *			
BLV11B - EM* - T60	80	OM - 3M - *			
BLV12B - EM* - T60	100	OM - 4M - *			
BLV14FA - EM* - T60	150	OM - 5M - *			
BLV15FA - EM* - T60	200	OM - 6M - *			

PNEUMATIC

Double Acting - To be fitted with POS-A Controller



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

PNEUMATIC

Spring Return - To be fitted with POS-A Controller



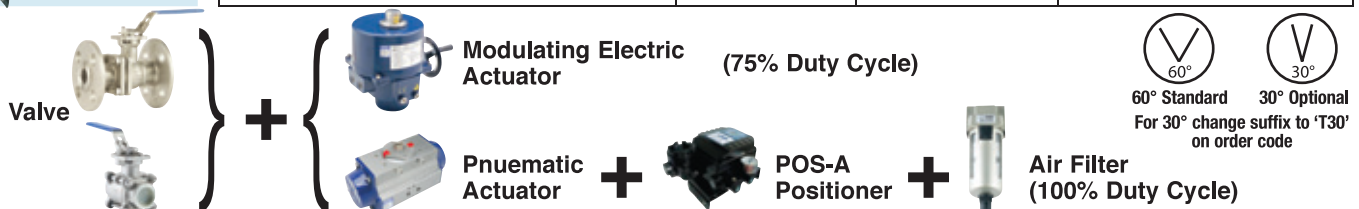
BLV54B - SR - T60	15	SR63	For Control: To be fitted with POS-A Pneumatic Positioners listed below	6-8 BAR	Body Actuator: Coated Aluminium Extrusion
BLV55B - SR - T60	20	SR63			
BLV56B - SR - T60	25	SR75			
BLV58B - SR - T60	40	SR88			
BLV59B - SR - T60	50	SR100			
BLV511B - SR - T60	80	SR125			
BLV512B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

PNEUMATIC

Positioner 4-20ma Input / Output



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



– (std. = Standard Product).

High Pressure

AIR / WATER



Model	Actuator	Port Size BSP	Orifice Ømm	Media Pressure @30°C	Media Temperature	Actuator Air Pressure	Material of Construction	Features
Double Acting Pneumatic								
BLSHP2B - DA - D	DA50	1/4	8	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 Optional plastic or Stainless Steel
BLSHP3B - DA - D	DA50	3/8	10					
BLSHP4B - DA - D	DA50	1/2	12					
BLSHP5B - DA - D	DA63	3/4	17					
BLSHP6B - DA - D	DA63	1	22					
BLSHP8B - DA - D	DA88	1-1/2	35					
BLSHP9B - DA - D	DA88	2	35					
ALSO AVAILABLE - 1/4 & 3/8 VALVES TO 10,000 PSI AND 3-WAY VALVES TO 1"								

AIR / WATER



Model	Actuator	Port Size BSP	Orifice Ømm	Media Pressure @30°C	Media Temperature	Actuator Air Pressure	Material of Construction	Features
Spring Return Pneumatic								
BLSHP52B - SR - D	SR63	1/4	8	3,000 PSI 200 BAR	40°C @ 200 BAR	6-8 BAR	Body: 316 Stainless Steel Ball: Stainless Steel Seat: Delrin Optional: PEEK	Highflow High pressure Actuator std. aluminium Optional plastic or Stainless Steel
BLSHP53B - SR - D	SR63	3/8	10					
BLSHP54B - SR - D	SR75	1/2	12					
BLSHP55B - SR - D	SR75	3/4	17					
BLSHP56B - SR - D	SR88	1	22					
BLSHP58B - SR - D	SR100	1-1/2	35					
BLSHP59B - SR - D	SR100	2	35					
ALSO AVAILABLE - 1/4 & 3/8 VALVES TO 10,000 PSI AND 3-WAY VALVES TO 1"								

AIR / WATER



Model	Actuator	Port Size BSP	Orifice Ømm	Media Pressure @30°C	Media Temperature	Actuator Air Pressure	Material of Construction	Features
Electric On/Off								
BLSHP2B - E* - D	OM-1	1/4	8	3,000 PSI 200 BAR	40°C @ 200 BAR	E1=240VAC E2=110VAC E5=24VAC E7=12VDC E8=24VDC	Body: 316 Stainless Steel Ball: Stainless Steel Seat: Delrin Optional: PEEK	Highflow High pressure see Series 'OM' for Actuator details Page 26
BLSHP3B - E* - D	OM-1	3/8	10					
BLSHP4B - E* - D	OM-1	1/2	12					
BLSHP5B - E* - D	OM-1	3/4	17					
BLSHP6B - E* - D	OM-1	1	22					
BLSHP8B - E* - D	OM-A	1-1/2	35					
BLSHP9B - E* - D	OM-A	2	35					
ALSO AVAILABLE - 1/4 & 3/8 VALVES TO 10,000 PSI AND 3-WAY VALVES TO 1"								

AIR / WATER



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

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

BAS Auto Return IP67



Model	Actuator	Port Size BSP	Orifice Ømm	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	N.C.	1/2	15	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 5-13 Sec operation Min 30-120 Sec power on to charge capacitor. 30% Duty Cycle
BASM55B - EL - T		3/4	20					
BASM56B - EL - T		1	20					
BAS57B - EL - T		1-1/4	32					
BAS58B - EL - T		1-1/2	38					
BAS59B - EL - T		2	50					
BASM64B - EL - T	N.O.	1/2	15	10 BAR	90°C	5 Sec		
BASM65B - EL - T		3/4	20					
BASM66B - EL - T		1	20					
BAS67B - EL - T		1-1/4	32					
BAS68B - EL - T		1-1/2	38					
BAS69B - EL - T		2	50					
M = Manual Override								



Model	Actuator	Port Size BSP	Orifice Ømm	Media Pressure @30°C	Media Temperature	Open/Close Time	Material of Construction	Features
BASM3L4B - EL - T	3 Way L Port	1/2	12	10 BAR	90°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
BASM3L5B - EL - T		3/4	15	10 BAR	90°C	5 Sec		
C/W Manual Override								

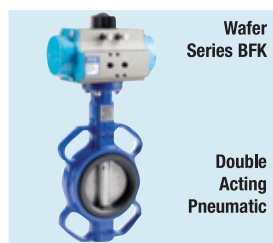


Model	Actuator	Port Size BSP	Orifice Ømm	Media Pressure @30°C	Media Temperature	Open/Close Time	Material of Construction	Features
BAPM54B - EL - T	N.C.	1/2	15	10 BAR	90°C	5 Sec	Ball: CPVC Body: CPVC Seals: FKM Seats: PTFE	5-13 Sec operation Min 30 Sec power on to charge capacitor. 30% Duty Cycle
C/W Manual Override								

– (std. = Standard Product).

'Econo' Series BFK

AIR / WATER



Wafer Series BFK

Double Acting Pneumatic

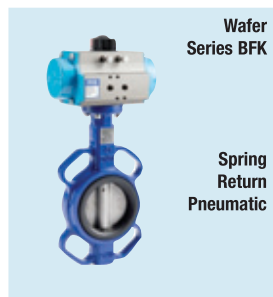
Model	Actuator	Orifice/CV ømm CV	Media Pressure	Media Temperature	Actuator Voltage/Bar Pressure	Material of Construction	Features
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Double Acting Pneumatic

BFK50 - DA - E	DA50	50	10 BAR	-20°C	6-8 BAR	Body: Cast Iron Wafer Universal flange 304 S/S disc EPDM liner Aluminium actuator	Double acting Pneumatic actuator. Direct pad mount. EPDM=E
BFK65 - DA - E	DA50	65	10 BAR	(EPDM) 120°C	6-8 BAR		
BFK80 - DA - E	DA63	80					
BFK100 - DA - E	DA63	100					
BFK125 - DA - E	DA75	125					
BFK150 - DA - E	DA88	150					
BFK200 - DA - E	DA115	200	10 BAR	(EPDM) 120°C	6-8 BAR		
BFK250 - DA - E	DA125	250					
BFK300 - DA - E	DA145	300					

Also available up to 600mm

AIR / WATER



Wafer Series BFK

Spring Return Pneumatic

Spring Return Pneumatic

BFK550 - SR - E	SR63	50	10 BAR	-20°C	6-8 BAR	Body: Cast Iron Wafer Universal flange 304 S/S disc EPDM liner Aluminium actuator	Single acting Pneumatic actuator. Direct pad mount. EPDM=E
BFK565 - SR - E	SR63	65	10 BAR	(EPDM) 120°C	6-8 BAR		
BFK580 - SR - E	SR75	80					
BFK5100 - SR - E	SR75	100					
BFK5125 - SR - E	SR88	125					
BFK5150 - SR - E	SR115	150					
BFK5200 - SR - E	SR125	200	10 BAR	(EPDM) 120°C	6-8 BAR		
BFK5250 - SR - E	SR145	250					
BFK5300 - SR - E	SR160	300					

For normally open function change 4th digit to 6 • Also available up to 600mm

'Econo' Series BFK

AIR / WATER



Wafer Series BFK

Manual Butterfly Valve

Manual Butterfly Valve							
Model	Size mm	Lever	Gearbox Option	Kg	Stem SQ	ISO	Material of Construction

Manual Lever and Gear Box

BFK50 - L-E	50	✓	-	3.7	14	F05	BODY MATERIAL Cast Iron (FBE coated)
BFK65 - L-E	65	✓	-	4.3	14	F05	
BFK80 - L-E	80	✓	-	4.6	14	F05	
BFK100 - L-E	100	✓	GB1	5.8	14	F05	DISC MATERIAL 304 Stainless Steel
BFK125 - L-E	125	✓	GB1	8.0	17	F07	
BFK150 - L-E	150	✓	GB1	9.5	17	F07	
BFK200 - L-E	200	✓	GB2	16	17	F07	SEAT MATERIAL EPDM (-20 ~ +120°C) (Bonded) Shore 68
BFK250 - L-E	250	✓	GB2	21	22	F10	
BFK300 - L-E	300	✓	GB2	35	22	F10	

Add 3.4kg for GB1 and 7.5kg for GB2

Substitute 'G' for Gear Box option • Also available up to 600mm

Series BFDD

AIR / WATER / VACUUM



Lugged Series BFDD

Double Flanged

Model	Actuator	Orifice ømm	Media Pressure	Media Temperature	Flange Options	Material of Construction	Features
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Double Flanged · Fully Lugged

BFDD50	OPTIONAL: • LEVER • GEAR BOX • PNEUMATIC • ELECTRIC	50	16 BAR	-20°C	Standard: AS 4087 PN16 AS 2129 Table E Optional: ANSI, DIN, JIC	- Cast Iron - 316 S/S disc - EPDM liner (E) - Optional Viton (V) - Optional Nitrile (N)	Direct pad mount. Operator: • Lever • Gear Box • Pneumatic • Electric
BFDD65		65					
BFDD80		80					
BFDD100		100					
BFDD125		125					
BFDD150		150					
BFDD200		200					
BFDD250		250					
BFDD300		300					
BFDD350		350					
BFDD400	400	10 BAR	(EPDM) 120°C				
BFDD450	450						
BFDD500	500						
BFDD600	600						

For PVC Butterfly Valves See Page 13

– (std. = Standard Product).

Series BFD

AIR / WATER / VACUUM



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

AIR / WATER / VACUUM



Model	Actuator	Orifice Ømm	Media Pressure	Media Temperature	Actuator Voltage/Air Pressure	Material of Construction	Features
Spring Return Pneumatic							
BFD550 - SR - E	SR63	50	16 BAR	-20°C	6-8 BAR	- Cast Iron - 316 S/S disc - EPDM liner (E) - Optional Viton (V) - Optional Nitrile (N) Replacable liner	Spring Return Pneumatic actuator. Direct pad mount. EPDM=E (Standard) Viton=V Nitrile=N
BFD565 - SR - E	SR63	65					
BFD580 - SR - E	SR75	80					
BFD5100 - SR - E	SR88	100					
BFD5125 - SR - E	SR88	125					
BFD5150 - SR - E	SR115	150					
BFD5200 - SR - E	SR125	200	10 BAR	(EPDM) 120°C	6-8 BAR		
BFD5250 - SR - E	SR145	250					
BFD5300 - SR - E	SR160	300					
BFD5350 - SR - E	SR200	350					
BFD5400 - SR - E	SR240	400					
BFD5450 - SR - E	SR240	450					
BFD5500 - SR - E	SR270	500					

For normally open function change 4th digit to 6

AIR / WATER / VACUUM



Model	Actuator	Orifice Ømm	Media Pressure	Media Temperature	Actuator Voltage/Air Pressure	Material of Construction	Features
Electric On/Off							
BFD50 - E* - E	OM-1	50	16 BAR	-20°C	E1=240VAC E2=110VAC E5=24VAC E7=12VDC E8=24VDC E11=415VAC	- Cast Iron - 316 S/S disc - EPDM liner (E) - Optional Viton (V) - Optional Nitrile (N) Replacable liner	on/off electric actuator. EPDM=E (Standard) Viton=V Nitrile=N
BFD65 - E* - E	OM-1	65					
BFD80 - E* - E	OM-1	80					
BFD100 - E* - E	OM-A	100					
BFD125 - E* - E	OM-A	125					
BFD150 - E* - E	OM-2	150					
BFD200 - E* - E	OM-3	200	10 BAR	(EPDM) 120°C	6-8 BAR		
BFD250 - E* - E	OM-4	250					
BFD300 - E* - E	OM-5	300					
BFD350 - E* - E	OM-6	350					
BFD400 - E* - E	OM-7	400					
BFD450 - E* - E	OM-8	450					
BFD500 - E* - E	OM-9	500					
BFD600 - E* - E	OM-11	600					

Power Open / Power Closed. Available in Spring Return Electric Actuation.

AIR / WATER / VACUUM



Model	SIZE	LEVER	GEARBOX	KG	MEDIA PRESSURE	Material of Construction
Lever and Gear Operated						
BFD50 - L - E	50	✓	-	3.7	16 BAR	BODY MATERIAL Cast Iron FBE Coated DISC MATERIAL Stainless Steel CF8M (316SS) SEAT MATERIAL (SHORE 72) EPDM (-20 ~ +120°C) [E] (Std) VITON (-20 ~ +120°C) [V] NITRILE (NBR) (-10 ~ +80°C) [N] SUITS FLANGES Table E, D ANSI 150 & BS4504 PN10 AS4087 PN16, AS2129 Table E
BFD65 - L - E	65	✓	-	4.3		
BFD80 - L - E	80	✓	-	4.6		
BFD100 - L - E	100	✓	GB1	5.8		
BFD125 - L - E	125	✓	GB1	8.0		
BFD150 - L - E	150	✓	GB2	9.5		
BFD200 - L - E	200	✓	GB2	16	10 BAR	
BFD250 - L - E	250	✓	GB2	21		
BFD300 - L - E	300	✓	GB2	35		
BFD350 - G - E	350	✓	GB3	70		
BFD400 - G - E	400	✓	GB4	133		
BFD450 - G - E	450	✓	GB4	148		
BFD500 - G - E	500	✓	GB4	200		
BFD600 - G - E	600	✓	GB5	312		

Substitute 'G' for Gear Box option

Add extra for Gear Box

- (std. = Standard Product).

Series BFL Lugged

AIR / WATER / VACUUM



Series BFL Lugged

Double Acting Pneumatic

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

AIR / WATER / VACUUM



Series BFL Lugged

Spring Return Pneumatic

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

AIR / WATER / VACUUM



Series BFL Lugged

On/Off Electric

Model	Actuator	Orifice Ømm	Media Pressure	Media Temperature	Actuator Voltage/Air Pressure	Material of Construction	Features
Electric On/Off							
BFL50 - E* - E	OM-1	50	16 BAR	-20°C	E1=240VAC E2=110VAC E5=24VAC E7=12VDC E8=24VDC E11=415VAC	Lugged: Table E (Std)	on/off electric actuator.
BFL65 - E* - E	OM-1	65	16 BAR	(EPDM) 120°C		- Cast Iron - 316 S/S disc - EPDM liner (E) - Optional Viton (V) - Optional Nitrile (N) Replacable liner	Flange to AS4087 PN16 AS2129 Table E FBE Coated
BFL80 - E* - E	OM-1	80					
BFL100 - E* - E	OM-A	100					
BFL125 - E* - E	OM-A	125					
BFL150 - E* - E	OM-2	150					
BFL200 - E* - E	OM-3	200	16 BAR	(EPDM) 120°C		Replacable liner	FBE Coated
BFL250 - E* - E	OM-4	250					
BFL300 - E* - E	OM-5	300					
Power Open / Power Closed. Available in Spring Return Electric Actuation. • Larger sizes available							

AIR / WATER / VACUUM



Series BFL Manual Lever

Cast Iron Butterfly Valve Lugged Gear Box

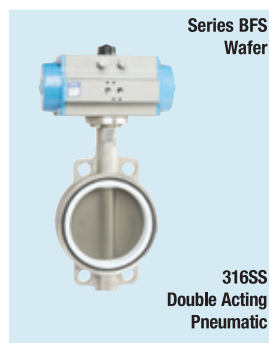
MODEL	SIZE	LEVER	GEARBOX	Kg with LEVER	ANSI-150	TABLE 'E' (Std)	TABLE 'D' (Std)
BFL50 - L - E	50	✓	-	4.5	✓	✓	✓
BFL65 - L - E	65	✓	-	5.0	✓	✓	✓
BFL80 - L - E	80	✓	-	6.2	✓	✓	✓
BFL100 - L - E	100	✓	GB1	9.2	✓	✓	-
BFL125 - L - E	125	✓	GB1	11.6	✓	✓	✓
BFL150 - L - E	150	✓	GB2	13.2	✓	✓	✓
BFL200 - L - E	200	✓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

Other Flange Standards Available

- (std. = Standard Product).

Series BFS Wafer

AIR / WATER



Model	Actuator	Orifice Ømm	Media Pressure	Media Temperature	Actuator Voltage/Air Pressure	Material of Construction	Features
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Double Acting Pneumatic - PTFE Seat & Disc. 316SS Body

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

AIR / WATER



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

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

For normally open function change 4th digit to 6

AIR / WATER

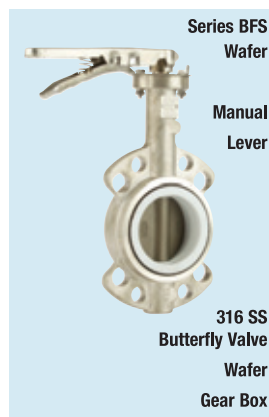


Electric On/Off - PTFE Seat & Disc. 316SS Body

BFS50 - E* - T	OM-1	50	10 BAR	-20°C	E1=240VAC E2=110VAC E5=24VAC E7=12VDC E8=24VDC E11=415VAC	Body: 316 SS Liner: PTFE Coated EPDM Disc: PTFE Coated 316 SS	on/off electric actuator.
BFS65 - E* - T	OM-1	65					
BFS80 - E* - T	OM-A	80					
BFS100 - E* - T	OM-2	100					
BFS125 - E* - T	OM-3	125					
BFS150 - E* - T	OM-4	150					
BFS200 - E* - T	OM-4	200	10 BAR	120°C			
BFS250 - E* - T	OM-6	250					
BFS300 - E* - T	OM-7	300					

Available in Spring Return Electric Actuation and all St/St Electric Actuator

AIR / WATER



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

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

- (std. = Standard Product).

Electric

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

Double Acting.

Power On, Power Off · Die Cast Housing · FBE Coating



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

Modulating

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



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

Stainless Steel

Power on, Power Off. SS316 Housing



SS316 Housing

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

Spring Return

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



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

Optional Items



Local Control Unit

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

— (std. = Standard Product).

Pneumatic

Double Acting



Double Acting

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

Spring Return



Spring Return

Model	Torque (NM) at 5.5 BAR	Torque (NM) at 5.5 BAR		MTG Flange ISO5211	Drive MM	Features & Options	Kg	
		0°	90°					
Aluminium · Stainless Steel Optional								
SR50	/	11	8	F03/F05	11 SQ	STAR DRIVE	1.20	
SR63		21	15	F05/F07	14 SQ		Standard:	1.80
SR75		41	29	F05/F07	17 SQ		Visual indicator	3.20
SR88		63	42	F05/F07	17 SQ		Adjustable stroke	4.30
SR100		95	67	F07/F10	17 SQ		Anodised aluminium body (Std)	6.60
SR115		154	105	F07/F10	22 SQ		NBR seals (80°C)	10.60
SR125		200	140	F07/F10	22 SQ		8 BAR (max)	13.40
SR145		314	221	F10/F12	27 SQ		Options:	20.00
SR160		400	292	F10/F12	27 SQ		St/St body	24.40
SR180		526	369	F14	36 SQ		Viton seals	32.00
SR200		745	540	F14	36 SQ		See page 39 for Drive Adapters	50.50
SR240		1616	1149	F16	46 SQ			70.00
SR270		2273	1616	F16	46 SQ			88.00

Feed back

Limit Switch Box



Series SK

Aluminium Body

Model	Rating	Sensor	Temp.	Other	Enclosure
Aluminium Enclosure · Prewired · Hi Visual Indicator · IP67					
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. 304SS Bracket SK-1 BKT STD - DA/SR 50 - 100 SK-3 BKT - DA/SR 115 - 125 SK-4 BKT - DA/SR 160 - 270

Limit Switch Box



Series ALS Ex

Aluminium Body

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

Limit Switch Box



Series ALS Ex

Stainless Steel Body

Model	Rating	Sensor	Temp.	Other	Enclosure
316 Stainless Steel Enclosure · Explosion Proof · Exd IIB T6 - IEC Ex CQM 12.0047 · IP66					
ALS 600 M2 Ex	IP66	15A SPDT x 2 (Std) 15A SPDT x 3 } Optional 15A SPDT x 4 } Various Inductive Sensors (Optional)	-25°C – 85°C	2 Cable Entry M20 x 1.5	316SS Body SS Bracket Exd II CT6 IEC Ex CCpm 09.0016 IP66
		IEC Ex Explosive Atmosphere			

Electro-Pneumatic Positioner - 90° Rotation · IP66



Series POS

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

– (std. = Standard Product).

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

Knife Gate

Model	Actuator	Diameter Nominal (D/N)	Orifice Ømm	Media Pressure	Media Temperature	Actuator Voltage/Air Pressure	Material of Construction	Features
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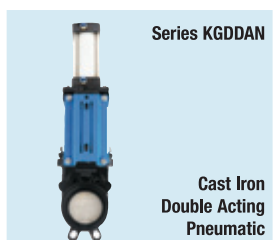
Manual Hand Wheel • Cast Iron • Bidirectional



KGDHW - 50	HAND WHEEL NON RISING STEM	50	50	10 BAR	0°C		Blade: SS316 Body: Cast Iron Stem: SS420 Shroud: FBE Coated Steel Seats: NBR Packing: PTFE	Non Rising Stem Bi-Directional Flow Low Torque Hand Wheel Fusion Bonded Epoxy Coating
KGDHW - 65		65	65					
KGDHW - 80		80	80					
KGDHW - 100		100	100					
KGDHW - 125		125	125					
KGDHW - 150		150	150					
KGDHW - 200		200	200					
KGDHW - 250		250	250					
KGDHW - 300		300	300					
					Optional 100°C VITON 100°C PTFE 100°C EPDM			

Sizes up to 1000mm available • Bi-Directional • AS2129 Table D/E (STD) • AS4087 PN16 • Optional ANSI 150

Double Acting Pneumatic • Cast Iron • Bidirectional



KGDDAN - 50	DOUBLE ACTING PNEUMATIC	50	50	10 BAR	0°C	6-8 BAR	Blade: SS316 Body: Cast Iron Stem: SS420 Shroud: FBE Coated Steel Seats: NBR Packing: PTFE	Double Acting Pneumatic Bi-Directional Flow Low Torque Hand Wheel Fusion Bonded Epoxy Coating
KGDDAN - 65		65	65					
KGDDAN - 80		80	80					
KGDDAN - 100		100	100					
KGDDAN - 125		125	125					
KGDDAN - 150		150	150					
KGDDAN - 200		200	200					
KGDDAN - 250		250	250					
KGDDAN - 300		300	300					
					Optional 100°C VITON 100°C PTFE 100°C EPDM			

Sizes up to 1000mm available • Bi-Directional • AS2129 Table D/E (STD) • AS4087 PN16 • Optional ANSI 150

Manual Hand Wheel ST/ST • Unidirectional



KGSHR/M - 50	HAND WHEEL RISING STEM	50	45	10 BAR	0°C		Blade: SS316 Body: SS316 Stem: 2CFI3 Shroud: SS304 Seats: NBR or Metal Optional: VITON, EPDM, PTFE	Metal or Elastomer Seat Fully Lugged Uni-Directional
KGSHR/M - 65		65	60					
KGSHR/M - 80		80	74					
KGSHR/M - 100		100	93					
KGSHR/M - 125		125	116					
KGSHR/M - 150		150	138					
KGSHR/M - 200		200	188					
KGSHR/M - 250		250	233					
KGSHR/M - 300		300	281					
KGSHR/M - 350		350	330					
				Optional 100°C VITON 100°C PTFE				

Sizes up to 1000mm available • N = NBR Seat • M = Metal Seat • AS2129 Table D/E (STD) • AS4087 PN16 • Optional ANSI 150

Double Acting Pneumatic ST/ST • Unidirectional



KGSDAN/M - 50	DOUBLE ACTING PNEUMATIC	50	45	10 BAR	0°C	6-8 BAR	Blade: SS316 Body: SS316 Stem: 2CFI3 Shroud: SS304 Seats: NBR or Metal Optional: VITON, EPDM, PTFE	Double Acting Pneumatic Fully Lugged Uni-Directional Magnetic Piston for Reed Switch Feedback
KGSDAN/M - 65		65	60					
KGSDAN/M - 80		80	74					
KGSDAN/M - 100		100	93					
KGSDAN/M - 125		125	116					
KGSDAN/M - 150		150	138					
KGSDAN/M - 200		200	188					
KGSDAN/M - 250		250	233					
KGSDAN/M - 300		300	281					
KGSDAN/M - 350		350	330					
				Optional 100°C VITON 100°C PTFE				

Sizes up to 1000mm available • N = NBR Seat • M = Metal Seat • AS2129 Table D/E (STD) • AS4087 PN16 • Optional ANSI 150

Manual Lever ST/ST • Unidirectional

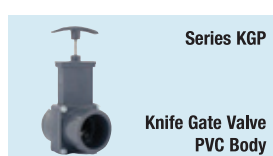


KGSLN/M - 50	LEVER	50	45	10 BAR	0°C		Blade: SS316 Body: SS316 Stem: 2CFI3 Shroud: SS304 Seats: NBR or Metal Optional: VITON, EPDM, PTFE	Metal or Elastomer Seat Lugged or Semi-Lugged					
KGSLN/M - 65		65	60										
KGSLN/M - 80		80	74										
KGSLN/M - 100		100	93										
KGSLN/M - 125		125	116										
KGSLN/M - 150		150	138										
					Optional 100°C VITON 100°C PTFE								

Sizes up to 1000mm available • N = NBR Seat • M = Metal Seat • AS2129 Table E • AS4087 PN16

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

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



KGP - 40	Manual Handle	SOLVENT WELD	40	0	Ambient	50	UPVC Body PVC/ABS/SS Gate EPDM Seat Solvent Weld Body	Aquaculture Irrigation Unidirectional
KGP - 50			50					
KGP - 80			80					
KGP - 100			100					
KGP - 150			150					
Solvent Weld		Bore				Socket I.D. (mm)		

- (std. = Standard Product).
- Bidirectional or PVC not recommended for abrasive media

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

Gate Valves

AIR / WATER



Series GVB

Gate Valve Brass
Metal Seat

Model	Actuator	Nominal Bore mm	Connection	Media Pressure	Media Temperature	Material of Construction	Features
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Manual Hand Wheel • Brass Body

GVB - 04	HAND WHEEL RISING STEM	15	1/2	BSP	25 BAR	Body: Brass Seat: Metal Gland: PTFE Media: Air/Water	Economical Isolation Valve
GVB - 05		20	3/4				
GVB - 06		25	1				
GVB - 07		32	1-1/4				
GVB - 08		40	1-1/2				
GVB - 09		50	2		25 BAR		

AIR / WATER / STEAM



Series GVS

Gate Valve SS316
Metal Seat

Manual Hand Wheel • SS316 Body

GVS - 04	HAND WHEEL RISING STEM	15	1/2	BSP	13 BAR AIR / WATER	Body: SS316 Seat: Metal Gland: PTFE Media: Air/Water/Steam	Compact Economical Corrosion Resistant
GVS - 05		20	3/4				
GVS - 06		25	1				
GVS - 07		32	1-1/4				
GVS - 08		40	1-1/2				
GVS - 09		50	2		10 BAR STEAM		

WATER / FLUIDS



Series GVC

Gate Valve
Ductile Iron
Resilient Seat
Non Rising Stem

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

GVC - 50	MANUAL HAND WHEEL NON RISING STEM	50	RF FLANGED AS 4087 135	16 BAR	-20°C	Body: Ductile Iron Jotun Powder Coated Wedge: EPDM Coated Ductile Iron Stem: Stainless Steel Bonnet: Ductile Iron Bush: Bronze Coating: R4-ES FBE Design AS 2638.2-2006 End Flange AS4087 PN16 AS2129 Table E	CE TUV
GVC - 65		65					
GVC - 80		80					
GVC - 100		100					
GVC - 125		125					
GVC - 150		150					
GVC - 200		200					
GVC - 250		250					
GVC - 300		300					
GVC - 350		350					
GVC - 375		375					
GVC - 400		400					
GVC - 450		450					
GVC - 500	500						
GVC - 600	600	16 BAR	80°C				

Optional • Metal Seat • Key Cap

WATER / FLUIDS



Series GVCR

Gate Valve
Flanged
Ductile Iron
Resilient Seat
Rising Stem

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

GVCR - 50	MANUAL HAND WHEEL RISING STEM	50	RF FLANGED AS 4087 135	16 BAR	-20°C	Body: Ductile Iron Jotun Powder Coated Wedge: EPDM Coated Ductile Iron Stem: Stainless Steel Bonnet: Ductile Iron Bush: Bronze Coating: R4-ES FBE Design AS 2638.2-2006 End Flange AS4087 PN16 AS2129 Table E	Rising Stem gives visual Open/Close indication for Fire Systems CE TUV		
GVCR - 65		65							
GVCR - 80		80							
GVCR - 100		100							
GVCR - 125		125							
GVCR - 150		150							
GVCR - 200		200							
GVCR - 250		250							
GVCR - 300		300						16 BAR	80°C

WATER / FLUIDS



Series GVWR

Gate Valve
Carbon Steel
Metal Seat
Rising Stem

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

GVWR - 50	MANUAL HAND WHEEL RISING STEM	50	RF FLANGED ANSI 150	20 BAR	-20°C	Body: WCB (Carbon Steel) Wedge: Cast Steel Stem: F6A Packing: Graphite Coating: High Temperature Silver Primer Design: API 600 Test: API 598	Rising Stem gives visual Open/Close indication CE TUV		
GVWR - 65		65							
GVWR - 80		80							
GVWR - 100		100							
GVWR - 125		125							
GVWR - 150		150							
GVWR - 200		200							
GVWR - 250		250							
GVWR - 300		300							
GVWR - 350		350							
GVWR - 400		400						20 BAR	200°C

- (std. = Standard Product).

Globe Valve

AIR / FLUID / STEAM



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

AIR / FLUID / STEAM



Model	Actuator	Nominal Bore mm	Connection	Media Pressure	Media Temperature	Material of Construction	Features
Manual Hand Wheel • ANSI 150 • Carbon Steel							
GLOW - 50 GLOW - 65 GLOW - 80 GLOW - 100 GLOW - 125 GLOW - 150 GLOW - 200 GLOW - 250 GLOW - 300	MANUAL HAND WHEEL RISING STEM	50 65 80 100 125 150 200 250 300	ANSI 150	20 BAR 20 BAR	-20°C 260°C	Body: WCB (Carbon Steel) Seat: Stellite Packing: Flexible Graphite Optional: Bellows Seal	Stellite A105 + 13Ce Designed to ANSI B16.34 ANSI B16.10 Flanged Entry ANSI B16.5 Tested to API598

FLOW CONTROL



Model	Actuator	Nominal Bore mm	Connection	Media Pressure	Media Temperature	Material of Construction	Features
Needle Valve - SS316							
NVS - 02 NVS - 03 NVS - 04 NVS - 05 NVS - 06	MANUAL TEE LEVER	5 5 5 7 9	1/4 3/8 1/2 3/4 1	408 BAR	180°C	Body: SS316 Packing: PTFE	Fine Adjustment of Flow

AIR / FLUID / STEAM



Model	Actuator	Nominal Bore mm	Connection	Media Pressure	Media Temperature	Material of Construction	Features
Angle Seat Valve - SS316 • On/Off Control • Normally Closed							
AS5 - 03 - SR AS5 - 04 - SR AS5 - 05 - SR AS5 - 06 - SR AS5 - 07 - SR AS5 - 08 - SR AS5 - 09 - SR	PNEUMATIC ACTUATING SPRING CLOSED	13 13 18 24 31 35 45	3/8 1/2 3/4 1 1-1/4 1-1/2 2	Over Seat 16 BAR 16 BAR 16 BAR 16 BAR 16 BAR 16 BAR	-10°C 180°C	Body & Actuator: SS316 Packing: PTFE FKM	Compact Design Single Acting (Spring return) Optional: Double Acting
Optional Proximity Switch • DA Actuator • Tri-Clover Clamps							

AIR / FLUID / STEAM



Model	Actuator	Nominal Bore mm	Connection	Media Pressure	Media Temperature	Material of Construction	Features
In-Line Check Valve • 2 Piece • SS316							
ICS - 04 ICS - 05 ICS - 06 ICS - 07 ICS - 08 ICS - 09	IN-LINE CHECK	15 20 25 32 40 50	1/2 3/4 1 1-1/4 1-1/2 2	54 BAR 54 BAR	-20°C 180°C	Body: CF8M/SS316 Seat: SS316 Gasket: PTFE	Design to ANSI B16.34 Test API 1598

AIR / FLUID / STEAM



Model	Actuator	Nominal Bore mm	Connection	Media Pressure	Media Temperature	Material of Construction	Features
In-Line Check Valve • 3 Piece • SS316							
ICS3 - 04 ICS3 - 05 ICS3 - 06 ICS3 - 07 ICS3 - 08 ICS3 - 09	IN-LINE CHECK	15 20 25 32 40 50	1/2 3/4 1 1-1/4 1-1/2 2	54 BAR 54 BAR	-20°C 180°C	Body: CF8M/SS316 Seat: SS316 Gasket: PTFE	Design to ANSI B16.34 Test API 1598

– (std. = Standard Product).

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

Check Valve

AIR / WATER



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

FLUID / PETROCHEMICAL Wafer Swing Check · SS316



SCVS - 50	WAFER Fits most Flanges	50	32	0.1 BAR Depending on Valve Size	16 BAR	-20°C	Body: SS316 Disc: SS316 Pins: SS316 Seat: Viton (FKM) or NBR Reduced Flow Also available up to 600mm	Wafer Design Fits in horizontal pipe. AS 2125 TD/E ANSI-150 PN10 PN16
SCVS - 65		65	40					
SCVS - 80		80	54					
SCVS - 100		100	70					
SCVS - 125		125	92					
SCVS - 150		150	112					
SCVS - 200		200	154					
SCVS - 250		250	192					
SCVS - 300		300	227					

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



SCFW - 50	ANSI 150	50	0.1 BAR Depending on Valve Size	20 BAR	0°C	Body: WCB (Carbon Steel) or SS316 Disc: WCB or CF8M Coating: FBE For 316SS change W to S	Full Bore Check Valve Design: BS1868 Flange: ANSI 150 AS4087 PN16 Test: API 598				
SCFW - 80		80									
SCFW - 100		100									
SCFW - 125		125									
SCFW - 150		150									
SCFW - 200		200									
SCFW - 250		250									
SCFW - 300		300									
								20 BAR	200°C		

AIR / WATER



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

FCVC - 50	PN16 TABLE D/E	50	0.1 BAR Depending on Valve Size	16 BAR	-20°C	Body: Ductile Iron Disc: Ductile Iron with EPDM Bonding Hinge: SS316 Coating: FBE	Full Bore Flapper Type Design Flange: AS2129 D/E AS4087 PN16 Test: API 598
FCVC - 65		65					
FCVC - 80		80					
FCVC - 100		100					
FCVC - 125		125					
FCVC - 150		150					
FCVC - 200		200					
FCVC - 250		250					
FCVC - 300		300					

AIR / WATER / STEAM



Piston Check · SS316

PCS - 04	1/2	BSP	15	0.3 BAR	800 PSI 54 BAR	-10°C	316 St/St PTFE Seat	One Way Flow Can be mounted in any attitude						
PCS - 05	3/4		20											
PCS - 06	1		25											
PCS - 07	1-1/4		32											
PCS - 08	1-1/2		40											
PCS - 09	2		50											
												180°C		

AIR / WATER



Swing Check · SS316

SCS - 04	1/2	BSP	15	0.3 BAR	200 PSI 13 BAR	-20°C	316 St/St Metal to Metal Seat	One Way Flow Not suitable for downward flow						
SCS - 05	3/4		20											
SCS - 06	1		25											
SCS - 07	1-1/4		32											
SCS - 08	1-1/2		40											
SCS - 09	2		50											
												200°C		

AIR / WATER



Piston Check · Brass

PCBN - 04	1/2	BSP	15	0.1 BAR	16 BAR	-0°C	Body: Brass Seat: NBR	Economical Can be mounted in any attitude						
PCBN - 05	3/4		20											
PCBN - 06	1		25											
PCBN - 07	1-1/4		32											
PCBN - 08	1-1/2		40											
PCBN - 09	2		50											
											16 BAR	80°C		

AIR / WATER



Swing Check · Brass

SCB - 04	1/2	BSP	15	0.1 BAR	16 BAR	-20°C	Body: Brass Seat: NBR	Economical Not suitable for downward flow						
SCB - 05	3/4		20											
SCB - 06	1		25											
SCB - 07	1-1/4		32											
SCB - 08	1-1/2		40											
SCB - 09	2		50											
											16 BAR	80°C		

- (std. = Standard Product).

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

**Check Valve
Reinforced Rubber**

WATER / EFFLUENT



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

WATER / EFFLUENT



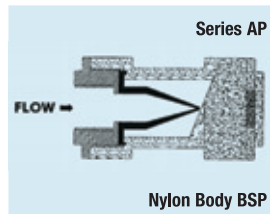
Model	Flange	Nominal Bore mm	Nominal Cracking Pressure - Water	Maximum Back Pressure - Water	Media Temperature	Material of Construction	Features
Backflow Prevention · External Flanged Duck Bill Valve							
DBFS - 50	AS4087 PN16 AS2129 TABLE D/E STANDARD	50	25-50mm HEAD	Up to 2m	0°C	Outer: Fabric Braided Neoprene Backing Ring: Stainless Steel Sizes Customised to Customer Requirements	Low Head Loss Reliable Backflow Prevention Corrosion Resistant UV Stable
DBFS - 80		80					
DBFS - 100		100					
DBFS - 150		150					
DBFS - 200		200					
DBFS - 250		250					
DBFS - 300		300					
DBFS - 350		350					
DBFS - 400		400					
DBFS - 450		450					
DBFS - 500	JIS, ANSI, DIN OPTIONAL	500	25-50mm HEAD	Up to 1m	60°C		
DBFS - 600		600					
DBFS - 700		700					
DBFS - 800		800					
DBFS - 900		900					
DBFS - 1000		1000					
DBFS - 1100		1100					
DBFS - 1200		1200					
DBFS - 1400		1400					
DBFS - 1500		1500					
DBFS - 1600	1600						
DBFS - 1800	1800						
DBFS - 2000	2000						

WATER / EFFLUENT



Model	Flange	Nominal Bore mm	Nominal Cracking Pressure - Water	Maximum Back Pressure - Water	Media Temperature	Material of Construction	Features
Backflow Prevention · Slip-On Duck Bill Valve							
DBSS - 50	Pipe outside Diameter (O.D.) must be specified at time of ordering	50	25-50mm HEAD	Up to 2m	0°C	Outer: Fabric Braided Neoprene Clamping Rings: Stainless Steel Sizes Customised to Customer Requirements	Low Head Loss Reliable Backflow Prevention Corrosion Resistant UV Stable
DBSS - 80		80					
DBSS - 100		100					
DBSS - 150		150					
DBSS - 200		200					
DBSS - 250		250					
DBSS - 300		300					
DBSS - 350		350					
DBSS - 400		400					
DBSS - 450		450					
DBSS - 500		500	25-50mm HEAD	Up to 1m	60°C		
DBSS - 600		600					
DBSS - 700		700					
DBSS - 800		800					
DBSS - 900		900					
DBSS - 1000		1000					
DBSS - 1100		1100					
DBSS - 1200		1200					
DBSS - 1400		1400					
DBSS - 1500		1500					
DBSS - 1600	1600						
DBSS - 1800	1800						
DBSS - 2000	2000						

WATER / EFFLUENT



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

Used for flood mitigation and backflow prevention of contaminated fluids
* Specify flange table and pipe OD at time of ordering

– (std. = Standard Product).

Strainer

Model	Connection	Nominal Bore mm	Ø mm	Mesh	Media Pressure	Media Temperature	Material of Construction	Features
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AIR / FLUID / PETROCHEMICAL • Basket Strainer Flanged - ANSI 150 - Carbon Steel



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

AIR / FLUID

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



BSC - 50	AS4087 PN16 AS2129 TABLE E	50	1.2	16	16 BAR	-20°C	Body: Cast Iron Screen: SS304 FBE Coating	High Flow Economical
BSC - 63		63	1.2	16				
BSC - 80		80	1.5	14				
BSC - 100		100	1.5	14				
BSC - 125		125	1.5	14				
BSC - 150		150	1.5	14				
BSC - 200		200	2	12				
BSC - 250		250	2	12				
BSC - 300		300	2	12				

Also available up to 600mm

AIR / FLUID

Y Strainer Flanged - Table D/E - Cast Iron



YSCF - 50	AS4087 PN16 AS2129 TABLE E	50	1.2	16	16 BAR	-20°C	Body: Cast Iron Screen: SS304 FBE Coating	High Flow Economical
YSCF - 65		63	1.5	14				
YSCF - 80		80	1.5	14				
YSCF - 100		100	1.5	14				
YSCF - 125		125	1.5	14				
YSCF - 150		150	2	12				
YSCF - 200		200	2	12				
YSCF - 250		250	2	12				
YSCF - 300		300	3	10				

Also available up to 600mm

AIR / FLUID

Y Strainer Flanged - ANSI 150 - 316SS



YSSF - 50	ANSI150		1.2	16	16 BAR	-20°C	Body: CF8M / SS316 Screen: SS304 Woven Wire Options - Table D/E PN16	High Flow Corrosion Resistant
YSSF - 65			1.2	16				
YSSF - 80			1.2	16				
YSSF - 100			1.2	16				
YSSF - 125			1.2	16				
YSSF - 150			1.5	14				
YSSF - 200			1.5	14				
YSSF - 250			1.5	14				
YSSF - 300			1.5	14				

Also available up to 600mm

AIR / FLUID / STEAM

Y Strainer - SS316 • BSP Threaded



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

AIR / FLUID

Y Strainer - Brass • BSP Threaded



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

– (std. = Standard Product).

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

Timer

TIMERS



Model	Description	Connection	Function
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Digital. Programable 0.1 Sec - 99 Hours

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

TIMERS



Analog. External Knob Adjustment

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

TIMERS



Econo Digital Timer

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

TIMER / DRAIN VALVE



CRD - c/w Integral Y Strainer and Ball Valve

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

TIMER / DRAIN VALVE



CRD - c/w Separate Y Strainer and Ball Valve

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

- (std. = Standard Product).

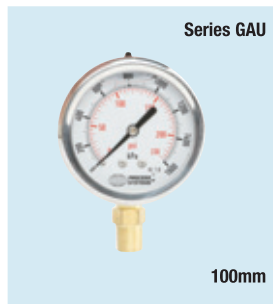
Gauges

DIAL GAUGE



Bottom Entry	Rear Entry	Features
63mm Stainless Steel Case 1/4" BSPT • Brass Internals • Liquid Filled		
Bottom Entry (Kpa) GAU63B - 100V (-100 Kpa / 30"Hg) GAU63B - 100 (100 Kpa / 15 psi) GAU63B - 100C (-100 Kpa to 1600Kpa, Compound) 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)	Rear Entry (Kpa) GAU63R - 100V (-100 Kpa / 30"Hg) GAU63R - 100 (100 Kpa / 15 psi) GAU63R - 100C (-100 Kpa / 30"H to Compound) 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)	SS304 Case Brass Internals Liquid Filled Dual Scale Kpa/PSI Brass Connection 1/4 BSP C/W Panel Mount Bracket (Rear Entry) Accuracy: + 1.6% full scale Working Range:- Steady 3/4 full scale Fluctuating 2/3 full scale Short time full scale Temperature Ambient/Media -20deg.C + 60deg.C
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 • Pigtails • Gauge Cock • Higher Pressure Gauges Available		

DIAL GAUGE



100mm Stainless Steel Case 3/8" BSPT • Brass Internals • Liquid Filled		
GAU100B - 100V (-100 Kpa/30"Hg) GAU100B - 100C (-100 Kpa to 1600Kpa, Compound) 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)	Other Options Available	SS304 Case Brass Internals liquid Filled Dual Scale Kpa/PSI Brass Connection 3/8 BSP C/W Panel Mount Bracket (Rear Entry) Accuracy: + 1.6% full scale Working Range:- Steady 3/4 full scale Fluctuating 2/3 full scale Short time full scale Temperature Ambient/Media -20deg.C + 60deg.C
Other pressure ranges available Options: Gauge Guard • Heat Shield • Pigtails • Gauge Cock		

DIAL GAUGE



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

DIAL GAUGE



150mm Stainless Steel Case 1/2" NPT • Stainless Steel Internals • 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		SS316 Case Stainless Steel Internals SS316 Connection 1/2 NPT Dual Scale Kpa/PSI Liquid Filled • C/W Mounting Flange • Bottom Entry
Other pressure ranges available Options: Gauge Guard • Heat Shield • Pigtails • Gauge Cock Accuracy + 1.0% full scale Working Range:- Steady 3/4 full scale Fluctuating 2/3 full scale Short time full scale Temperature Ambient/Media -20deg.C + 60deg.C		

Switch

FLOW SWITCH



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

TEMPERATURE SWITCH OEM Style Compact Switch • IP65



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

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

- (std. = Standard Product).

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

VACUUM SWITCH



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

Plug

CONNECTOR PLUG



Model	Description	Gromet (ID mm)	Cable Gland	Voltage Range	Pin Details
Square 28x28mm DIN 43650A • IP65					
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 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

CONNECTOR PLUG



Model	Description	Gromet (ID mm)	Cable Gland	Voltage Range	Pin Details
Rectangle 20x28mm DIN 43650B • IP65					
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
DPRB - 6 - PG9	Plain Black	6	PG9	10 ~ 250v AC/DC 10AMP	9.4mm Pin Spacing 2 Pin + Earth 11mm Pin Spacing

CONNECTOR PLUG



Model	Description	Gromet (ID mm)	Cable Gland	Voltage Range	Pin Details
Mini Plug 15x15mm DIN 43650C • IP65					
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



Model	Description	Pin Details
A-B Adapter DIN 43650A to DIN 43650B • IP65		
A-B ADAPT	Converts Rectangular DIN 43650B to Square DIN 43650A Used in Conjunction with Solenoid Valve Timers (refers to Series EM/TEC Data Sheet & page 26) 10AMP	2 Pin + Earth

– (std. = Standard Product).

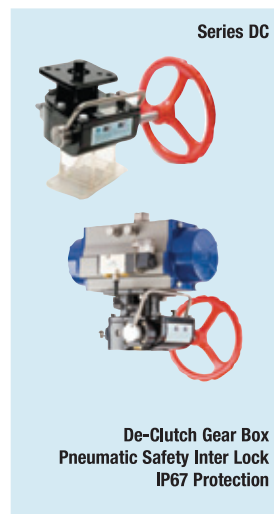
- ELASTOMER CODE: V = Viton, S = Silicone, T = PTFE, E = EPDM, N = NBR Nitrile, NC = Normally closed, NO = Normally open

**Gear Box
Cast Steel**

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

DE-CLUTCH

• 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	75	100
DC2 - 22						22	22	-		-	
DC3 - 22	32:1	640	F07/F10	F10/F12	300	22	22	115	125	115	125
DC4 - 27	50:1	1200	F10/F12	F10/F12	350	27	27	140	160	140	160
DC5 - 36	62:1	2100	F14	F14/F16	400	36	36	180	200	180	200
DC6 - 46	70:1	2800	F16	F14/F16	500	46	46	240	270	240	

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

Function: Can manually override a pneumatic actuated valve

* Add Value Torque when sizing for Spring Return Actuator

DIRECT

• Suitable for Ball Valve & Butterfly Valve



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

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

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

DRIVE ADAPTORS

Square to Square



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

Mounting Brackets



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

DRIVE ADAPTORS

Star to Square



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

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

- (std. = Standard Product).

Fail Safe Electric

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



Series BLS
2 Way
SS316
Ball Valve
Threaded BSP

Model	Actuator	Port Size	Oriface Ømm	Media Pressure	Media Temperature	Supply Voltage	Material of Construction	Features
BLS58B - SE * - RT	S500	1-1/2 BSP	40	10 BAR	-20°C	E1=240VAC	Body: 3 Piece 316 Stainless Steel	Positive Spring Close
BLS59B - SE * - RT	S500	2 BSP	50	10 BAR	180°C	E2=110VAC		
BLS510B - SE * - RT	S1300	2-1/2 BSP	63			10 BAR	180°C	E5=24VAC
BLS511B - SE * - RT	S1300	3 BSP	80					
BLS512B - SE * - RT	S2000	4 BSP	100					

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



Series BLS3
3 Way
SS316
Ball Valve
Threaded BSP

BLS3L8B - SE * - RT	S500	1-1/2 BSP	32	10 BAR	-20°C	E1=240VAC	Body: 3 Piece 316 Stainless Steel	Positive Spring Close
BLS3L9B - SE * - RT	S1300	2 BSP	38	10 BAR	180°C	E2=110VAC		
BLS3L10B - SE * - RT	S1300	2-1/2 BSP	50			10 BAR	180°C	E5=24VAC
BLS3L11B - SE * - RT	S2000	3 BSP	65					
BLS3L118 - SE * - RT	S2000	3 BSP	65					

3L = 'L' Port 3T = 'T' Port

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



Series BLSF
2 Way
SS316
or WCB
Ball Valve
Flanged

BLSF58FA - SE * - RT	S500	Flanged ANSI 150	40	10 BAR	-20°C	E1=240VAC	Body: 3 Piece 316 Stainless Steel	Positive Spring Close
BLSF59FA - SE * - RT	S1300		50	10 BAR	180°C	E2=110VAC		
BLSF510FA - SE * - RT	S1300		63					
BLSF511FA - SE * - RT	S1300		80					
BLSF512FA - SE * - RT	S2000		100					
							E5=24VAC	
						E7=12VDC	Seats: RTFE	Fail Safe When Power Off
						E8=24VDC		
						E11=415VAC		

Also available in WCB Cast Steel • Fire Safe • ANSI 150/300

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



Series BLS3F
3 Way
SS316
Full Bore Flange

BLS3L8FA - SE * - RT	S1300	Flanged ANSI 150	40	10 BAR	-20°C	E1=240VAC	Body: 3 Piece 316 Stainless Steel	Positive Spring Close
BLS3L9FA - SE * - RT	S1300		50	10 BAR	180°C	E2=110VAC		
BLS3L10FA - SE * - RT	S1300		63					
BLS3L11FA - SE * - RT	S2000		80					
BLS3L12FA - SE * - RT	S2600		100					
							E5=24VAC	
						E7=12VDC	Seats: RTFE	Fail Safe When Power Off
						E8=24VDC		
						E11=415VAC		

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



Series BFD
Wafer or
Lugged
Cast Iron
Viton Seat

BFD550 - SE * - V	S500	WAFER (BFD)	50	10 BAR	-20°C	E1=240VAC	Body: Cast Iron	Positive Spring Close
BFD565 - SE * - V	S500		65	10 BAR	90°C	E2=110VAC		
BFD580 - SE * - V	S500		80					
BFD5100 - SE * - V	S1300	100	10 BAR			90°C	E5=24VAC	Seats: Viton (FKM)
BFD5125 - SE * - V	S1300	LUGGED BFL		125				
BFD5150 - SE * - V	S2000	150						
							E7=12VDC	
						E8=24VDC	Seats: Viton (FKM)	Fail Safe When Power Off
						E11=415VAC		

Optional • Explosion Proof IEC Ex • Manual Handwheel Override

For technical specifications on the actuator refer to page 27.

– (std. = Standard Product),



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& VALVE**
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WANGANUI

06 349 0088

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