

Media: water + fluids
 Max inlet Pressure: 20 Bar Max
 Back Pressure Range: 0.5-4 Bar or 2-8 Bar
 Media temperature: -15°C +80°C max
 Ambient temperature: -15°C to +60°C
 Media viscosity: 50 centistokes max
 Mounting: any position

Pressure Sustaining Valve

DN50 – DN300

Ductile Iron Epoxy Coated

PILOT ASSISTED

0.5-4 Bar or 2-8 Bar

TYPE BFS-DE



PRESSURE

Ø Port PN16	Ø Orifice (mm)	Flow Cv US GPM	Max Inlet Pressure (Bar)	Part Number	List Price	
				Pressure Sustaining Range 0.5-4 Bar or 2-8 Bar	NBR Seals	Viton Seals
DN50	50	75	20	BFS50DE + seal material + pressure range		
DN65	65	105	20	BFS65DE + seal material + pressure range		
DN80	80	140	20	BFS80DE + seal material + pressure range		
DN100	100	260	20	BFS100DE + seal material + pressure range		
DN125	125	390	20	BFS125DE + seal material + pressure range		
DN150	150	550	20	BFS150DE + seal material + pressure range		
DN200	200	1000	20	BFS200DE + seal material + pressure range		

OPTIONS

Pressure Regulator (Bronze)
 Pressure gauge (Displays back sustained Pressure)
 Pressure adjusting range (0.5 to 4 Bar) or (2 to 8 Bar)
 Other flange options JIS10K, JIS20K, ANSI150Lb, PN10, PN20
 Other custom-made sizes (up to 56"), other pressures and seal materials for other media available upon request

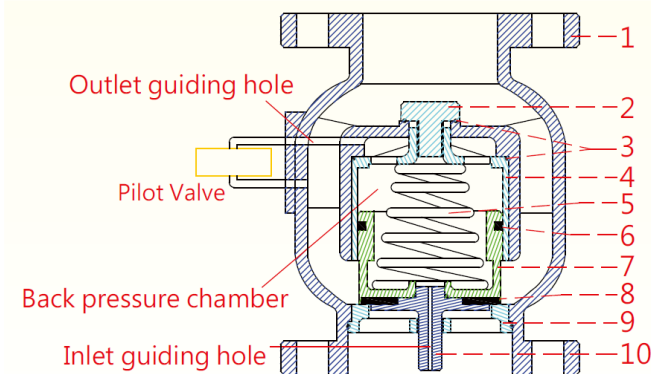
Included
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 +10%
 TBA

REPAIR KIT

Body seal kit	BFE + port + seal material - KIT
Pressure Sustaining Controller	BFSB + pressure range + seal

OVERALL DIMENSIONS

Pressure sustaining valve will maintain a set minimum back pressure regardless of downstream demand. If back pressure drops to minimum set level valve will begin to close to reduce flow to increase back pressure. When pressure increases above minimum set limit valve will slowly open again.



No	Description	Material
1	Main body	Ductile Iron
2	Cylinder bolt	Ductile Iron
3	O-Ring	NBR
4	Cylinder	Bronze
5	Spring	304 Stainless
6	U- ring	NBR
7	Piston	Bronze
8	Sealing	NBR
9	Seat	Bronze
10	Shaft	Bronze

Item	Dimensions (mm)		Kg
	L	A	
BFS50	190	180	12
BFS65	210	185	15
BFS80	225	200	18
BFS100	250	222	24
BFS125	280	235	32
BFS150	310	260	44
BFS200	420	300	87

Flow Chart of Pressure Sustaining Valve

