

Media: water + fluids
 Max inlet Pressure: 25 Bar Max
 Back Pressure Range: 0.5-4 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

Stainless 304 or 316

PILOT ASSISTED

0.5-4 Bar or 2-8 Bar

TYPE BFS-S



PRESSURE

Ø Port PN16	Ø Orifice (mm)	Flow Kv L/min	Max Inlet pressure (Bar)	Part Number Pressure Sustaining Range 0.5-4 Bar or 2-8 Bar	List Price			
					304 Stainless		316 Stainless	
					NBR	VITON	NBR	VITON
DN50	50	1072.5	25	BFS50 + body + seal material + pressure range				
DN65	65	1501.5	25	BFS65 + body + seal material + pressure range				
DN80	80	2002	25	BFS80 + body + seal material + pressure range				
DN100	100	3718	25	BFS100 + body + seal material + pressure range				
DN125	125	5577	25	BFS125 + body + seal material + pressure range				
DN150	150	7865	25	BFS150 + body + seal material + pressure range				
DN200	200	14300	25	BFS200 + body + seal material + pressure range				

OPTIONS

Pressure Regulator 304 Stainless steel
 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 other media (acid- alkali – oil) and seal options upon request

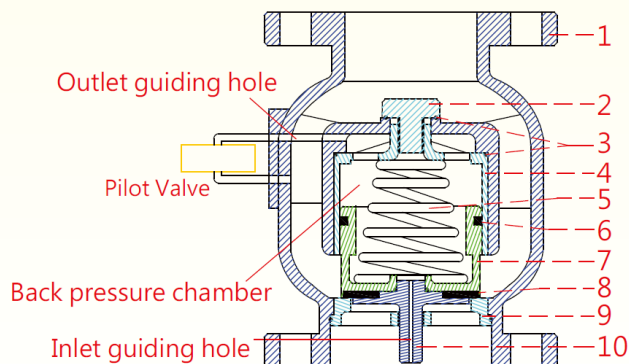
Included
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 +10%
 TBA

REPAIR KIT

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

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	304 or 316 Stainless
2	Cylinder bolt	304 Stainless
3	O-Ring	NBR or Viton
4	Cylinder	304 Stainless
5	Spring	304 Stainless
6	U- ring	NBR or Viton
7	Piston	304 Stainless
8	Sealing	NBR or Viton
9	Seat	304 Stainless
10	Shaft	304 Stainless
	Test Pressure	38 Bar

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

Flow Chart of Pressure Sustaining Valve

