

Media: water
 Pressure Rating: 20 Bar Max
 Back Pressure Range: (0.2–4) 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
 (0.2 – 4) or (2 – 8) Bar
 TYPE BFS-S



PRESSURE

Ø Port PN16	Ø Orifice (mm)	Flow Cv	Part Number	
			Pressure Sustaining Adjusting Range	Options: (0.2 – 4) or (2 – 8) Bar
DN50	50	37	BFS50 + body material + pressure range	
DN65	65	85	BFS65 + body material + pressure range	
DN80	80	110	BFS80 + body material + pressure range	
DN100	100	150	BFS100 + body material + pressure range	
DN125	125	230	BFS125 + body material + pressure range	
DN150	150	450	BFS150 + body material + pressure range	
DN200	200	580	BFS200 + body material + pressure range	
DN250	250	910	BFS250 + body material + pressure range	
DN300	300	1300	BFS300 + body material + pressure range	

OPTIONS

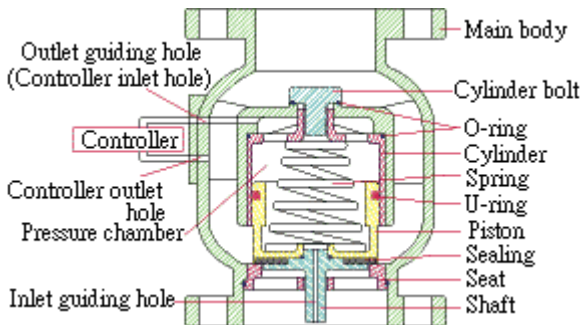
Pressure Regulator 304 Stainless steel
 Pressure gauge (Displays Back Sustained Pressure)
 Pressure adjusting range (0.2 to 4 Bar) or (2 to 8 Bar)
 Other flange options JIS10K, JIS20K, ANSI150Lb, PN10, PN20
 Other custom made sizes (up to 56"), higher pressures and other media (acid- alkali – oil) and seal options available upon request

REPAIR KIT

Piston U Ring	SP – Valve Part Number - U RING
Pressure Sustaining Controller	BFSS + pressure range

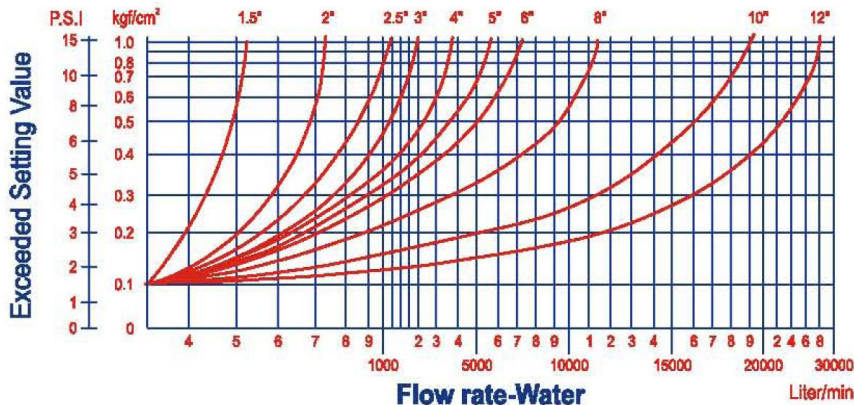
OVERALL DIMENSIONS

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.



Materials + Pressure Spec	
Main body	304 or 316 Stainless steel.
Cylinder bolt	Stainless steel.
O-Ring	NBR or FKM
Cylinder	Stainless steel.
Spring	Stainless steel.
U- ring	NBR or FKM
Piston	Stainless steel.
Sealing	NBR or FKM
Seat	Stainless steel.
Shaft	Stainless steel.
Controller	Stainless steel.
Working	22 Bar
Test	35 Bar

Flow Chart of Pressure Sustaining Valve



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
BFS250	152	470	335
BFS300	202	530	370

