

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  
 Ductile Iron Epoxy Coated  
 PILOT ASSISTED  
 (0.2 – 4) or (2 – 8) Bar  
 TYPE BFS-DE



## 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	BFS50DE + pressure range
DN65	65	85	BFS65DE + pressure range
DN80	80	110	BFS80DE + pressure range
DN100	100	150	BFS100DE + pressure range
DN125	125	230	BFS125DE + pressure range
DN150	150	450	BFS150DE + pressure range
DN200	200	580	BFS200DE + pressure range
DN250	250	910	BFS250DE + pressure range
DN300	300	1300	BFS300DE + pressure range

## OPTIONS

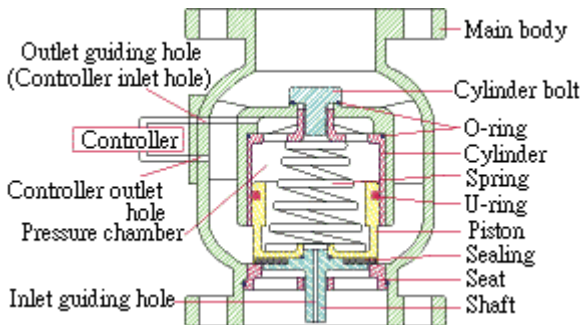
Pressure Regulator (Bronze)  
 Pressure gauge (Displays back sustained Pressure)  
 Pressure adjusting range (0.2 to 4 Bar) or (2 to 8 Bar)  
 Other flange options JIS10K, JIS20K, ANSI150Lb, PN10, PN20  
 Other custom made sizes (up to 56"), higher pressures and other media and seal options available upon request

## REPAIR KIT

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

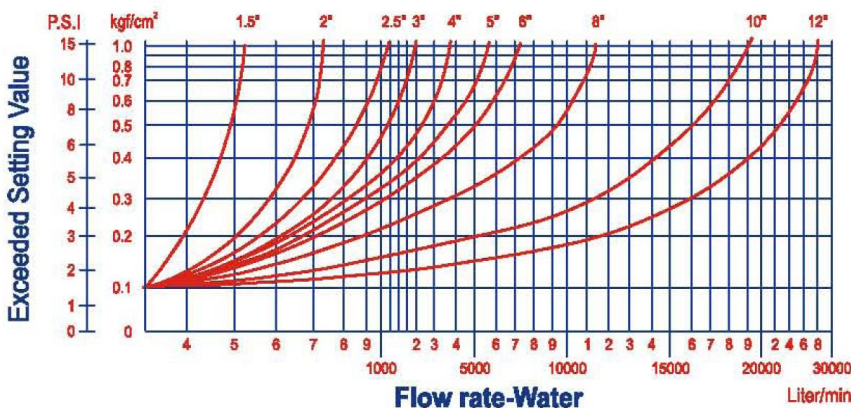
## OVERALL DIMENSIONS

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	Ductile Iron Epoxy Coated
Cylinder bolt	Ductile Iron
O-Ring	NBR
Cylinder	Bronze
Spring	Stainless steel
U- ring	NBR
Piston	Bronze
Sealing	NBR
Seat	Bronze
Shaft	Bronze
Controller	Brass
Working	20 Bar
Test	32 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

