Sour Service Products - Severe Service Valve

Pressures to 10,000 psi (690 bar)

Valve Size (inches)	Orifice inches (mm)	Rated Cv	Maximum Working Pressure psi (bar)
1/4	.188 (4.76)	.61	10,000 (690)
1/2	.250 (6.35)	.78	10,000 (690)
3/4	.375 (9.53)	1.79	7,500 (517)

Operating temperature: -20°F to 275°F (-29°C to 135°C)

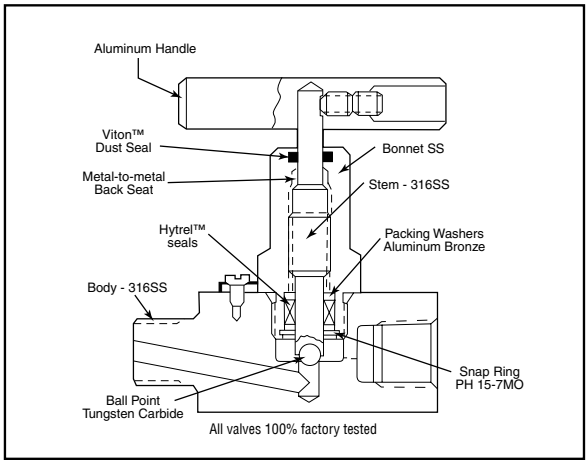
Parker Autoclave Engineers' severe service valve is designed for reliable shut-off service with maximum working pressure to 10,000 psi (690 bar). They are suitable for a wide range of severe duty applications and comply with NACE MR0175. The valve's unique stem design includes a non-rotation ball point as well as blow-out protection.

Applications:

- All areas where reliable shut-off is required in severe service including abrasive, erosive, corrosive and sour fluids.
- Sampling and blowdown lines.
- Blow-out preventers
- Wireline service equipment
- Chemical processing industry

Parker Autoclave Engineers service valves feature:

- Low operating torque
- Non-rotating tungsten carbide (ball point) stem
- Stem back seat for blow-out prevention
- Dust seal prevents stem thread contamination
- Stem packing adjustment not required
- Complies with NACE MR0175
- Moly lubricated stem threads
- Panel mount option available



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Catalog Number	End Connection		Dimensions - inches (mm)									Valve Pattern
	Inlet N.P.T.	Outlet N.P.T.	A	B	C	D	E	F	G	H	J	

2-Way Straight

SSV71M4F4	1/4" male	1/4" Female	3.00	1.75	-	1.25	.625	3.25	3.41	0.75	2.50	See Figure 1
			(76.20)	(44.45)	-	(31.75)	(15.88)	(82.55)	(86.51)	(19.05)	(63.50)	
SSV71F4	1/4" Female	1/4" Female	3.00	1.50	-	1.25	0.63	3.25	3.41	0.75	2.50	
			(76.20)	(38.10)	-	(31.75)	(15.88)	(82.55)	(86.51)	(19.05)	(63.50)	
SSV71M8F8	1/2" Male	1/2" Female	3.81	2.22	-	1.50	0.75	4.25	4.41	1.00	3.25	
			(96.82)	(56.34)	-	(38.10)	(19.05)	(107.95)	(111.91)	(25.40)	(82.55)	
SSV71F8	1/2" Female	1/2" Female	3.81	1.91	-	1.50	0.75	4.25	4.41	1.00	3.25	
			(96.82)	(48.41)	-	(38.10)	(19.05)	(107.95)	(111.91)	(25.40)	(82.55)	
SSV71M12F12	3/4" Male	3/4" Female	3.81	2.19	-	1.75	0.88	4.94	5.13	1.00	3.25	
			(96.82)	(55.55)	-	(44.45)	(22.23)	(125.40)	(130.18)	(25.40)	(82.55)	
SSV71F12	3/4" Female	3/4" Female	3.81	1.91	-	1.75	0.88	4.94	5.13	1.00	3.25	
			(96.82)	(48.41)	-	(44.45)	(22.23)	(125.40)	(130.18)	(25.40)	(82.55)	

2-Way Angle

SSV72M4F4	1/4" Female	1/4" Male	3.75	1.63	1.16	1.25	0.63	3.25	3.41	0.75	2.50	See Figure 2
			(95.25)	(41.28)	(29.36)	(31.75)	(15.88)	(82.55)	(86.51)	(19.05)	(63.50)	
SSV721F4	1/4" Female	1/4" Female	3.00	1.63	1.16	1.25	0.63	3.25	3.41	0.75	2.50	
			(76.20)	(41.28)	(29.63)	(31.75)	(15.88)	(82.55)	(86.51)	(19.05)	(63.50)	
SSV72M8F8	1/2" Female	1/2" Male	4.25	2.03	1.28	1.50	0.75	4.25	4.41	1.00	3.25	
			(107.95)	(51.59)	(32.54)	(38.10)	(19.05)	(107.95)	(111.91)	(25.40)	(82.55)	
SSV72F8	1/2" Female	1/2" Female	3.81	2.00	1.28	1.50	0.75	4.25	4.41	1.00	3.25	
			(96.82)	(50.80)	(32.54)	(38.10)	(19.05)	(107.95)	(111.91)	(25.40)	(82.55)	
SSV72M12F12	3/4" Female	3/4" Male	4.94	2.75	2.00	1.75	0.88	4.94	5.13	1.00	3.25	
			(125.40)	(69.85)	(50.80)	(44.45)	(22.23)	(125.40)	(130.18)	(25.40)	(82.55)	
SSV72F12	3/4" Female	3/4" Female	4.50	2.75	2.00	1.75	0.88	4.94	5.13	1.00	3.25	
			(114.30)	(69.85)	(50.80)	(44.45)	(22.23)	(125.40)	(130.18)	(25.40)	(82.55)	

All dimensions for reference only and subject to change.
For prompt service, Parker Autoclave Engineers stocks select products. Consult factory.

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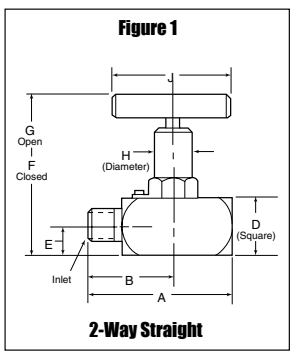
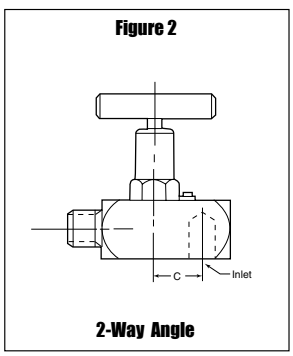
Figure 1



2-Way Straight

Figure 2



2-Way Angle

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