

Design Features

- Valves are available with threaded (N.P.T.), socket weld or butt-weld inlet/outlet connections.
- Three-piece body style for ease of maintenance.
- 316 SS construction with Teflon "O" ring body seals.
- Spring assisted silent closing.
- Standard metal to metal seating.
- Threaded and socket weld connections meet the requirements of table 4 of ASME B16.34
- Testing is performed in accordance with ASME B16.34

Parts List and Standard Materials

Part	Description	Specifications
1	Body	A351-CF8M 316 Stainless Steel
2	Cap	A351-CF8M 316 Stainless Steel
3	Plug	A351-CF8M 316 Stainless Steel
4	Spring ¹	Type 316 SS
5	Holder	A351-CF8M 316 Stainless Steel
6	Gasket	PTFE
7	Assembly Hardware	300 Series Stainless Steel

Notes: 1. Materials of equivalent strength may be substituted at manufacturer's option.

Upper Pressure Limits (Non-Shock)

Valve Size - in. (mm)	M.A.W.P. - psig (Bars)
1/4" - 4" (8-200mm)	600 (41.36)

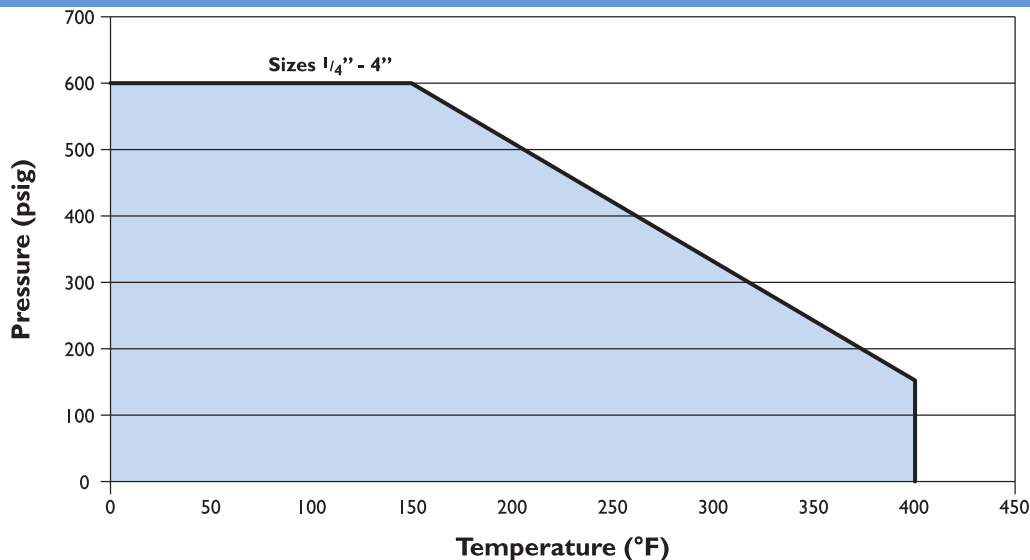
Upper Temperature Limits

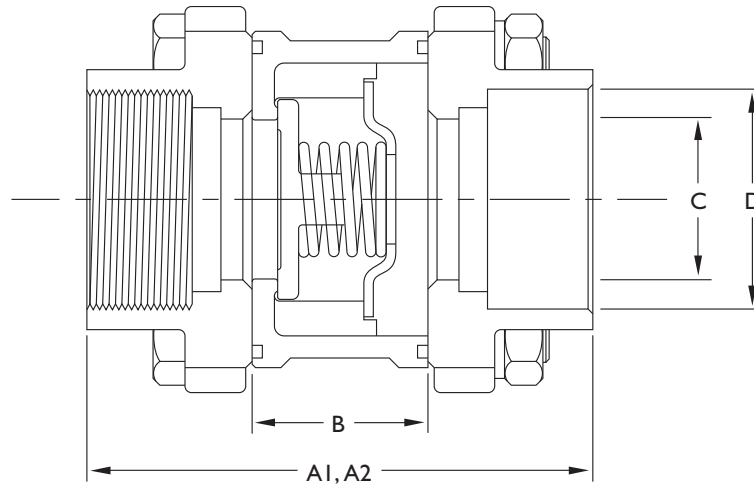
Gasket Material	Upper Limit °F (°C)
PTFE	400° (204°)

Lower Temperature Limits

Body	Lower Limit °F (°C)
A351-CF8M	-20° (-28.9°)

Pressure Temperature Chart





Dimensional Data (Class 125)

Size in. (mm)	A1 ¹ in. (mm)	A2 ¹ in. (mm)	B in. (mm)	C in. (mm)	D ² in. (mm)	Weight lb. (Kg.)	Cv
1/4 (8)	2.09 (53)	2.50 (64)	0.56 (14)	0.50 (13)	0.555 (14.10)	1 (0.5)	3
3/8 (10)	2.09 (53)	2.50 (64)	0.56 (14)	0.50 (13)	0.690 (17.53)	1 (0.5)	5
1/2 (15)	2.63 (67)	2.63 (67)	0.69 (18)	0.59 (15)	0.855 (21.72)	1 (0.5)	7
3/4 (20)	2.63 (67)	3.13 (80)	0.88 (22)	0.75 (19)	1.065 (27.05)	3 (1.4)	13
1 (25)	3.12 (79)	3.50 (89)	1.09 (28)	1.00 (25)	1.330 (33.78)	3.5 (1.6)	22
1 1/4 (32)	3.62 (92)	3.63 (92)	1.25 (32)	1.25 (32)	1.675 (42.55)	4 (1.8)	39
1 1/2 (40)	3.98 (101)	4.19 (106)	1.46 (37)	1.59 (40)	1.915 (48.64)	5 (2.3)	54
2 (50)	4.50 (114)	4.93 (125)	1.88 (48)	2.00 (51)	2.406 (61.11)	5.5 (2.5)	93
2 1/2 (65)	5.75 (146)	5.88 (149)	1.88 (48)	2.50 (64)	2.906 (73.81)	6 (2.7)	123
3 (80)	6.06 (154)	6.63 (168)	2.19 (56)	3.13 (80)	3.535 (89.79)	7 (3.2)	180
4 (100)	7.09 (180)	8.25 (210)	2.75 (70)	4.00 (102)	4.545 (115.44)	12 (5.4)	323

- Notes:**
1. Dimension A1 refers to NPT and socket weld valves, Dimension A2 refers to Buttweld Valves.
 2. Dimension D refers to socket weld valves only.

- General:**
1. For pressure loss information please see page 33.
 2. For ordering information please see page 38.
 3. Dimensions are subject to change. Contact factory for certified prints when required.