

Design Features

- Available in flanged body style. Suitable for installation between RF flanges.
- Standard metal to metal seating. Optional resilient seats.
- Body meets ASME B16.5 and ASME B16.34.
- Testing is performed in accordance with API 598.

Upper Pressure Limits (Non-Shock)

Valve Size - in. (mm)	Body Material	M.A.W.P. - psig (Bars)
2" - 12" (50 - 300mm)	A216-WCB	285 (19.65)
	A351-CF8M	275 (18.96)

Parts List and Standard Materials

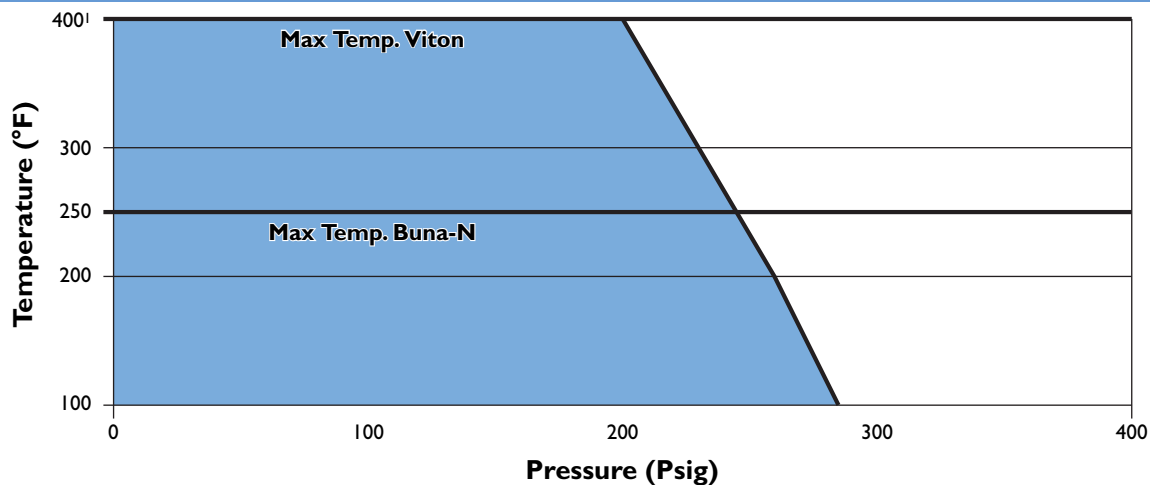
Part	Description	Carbon Steel	Stainless Steel
1	Body	A216-WCB	A351-CF8M 316 SS
2	Plug	A351-CF8M 316 SS	A351-CF8M 316 SS
3	Spring ¹	Type 316 SS	Type 316 SS
4	Seat ²	A351-CF8M 316 SS	A351-CF8M 316 SS
5	Bushing ¹	Type 316 SS	Type 316 SS
6	Seat Seal	Buna-N	Buna-N

Lower Temperature Limits

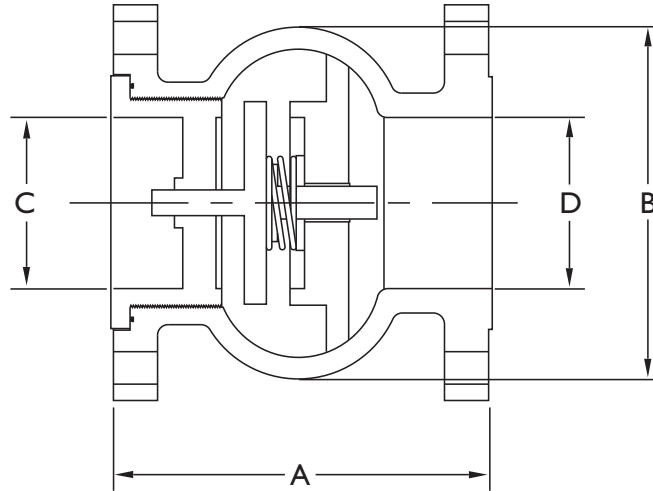
Body/Seat Material	Lower Limit °F (°C)
A216-WCB, A351-CF8M	-20° (-28.9°)
Buna-N, EPDM, Viton	-13° (-25°)

- Notes:**
1. Materials of equivalent strength may be substituted at manufacturer's option.
 2. Resilient seats are available. Contact factory.

Pressure Temperature Chart (In Accordance with ASME B16.34, A216-WCB)



- Notes:**
1. Maximum operating temperature limited by seat seal material.
 2. Valves recommended for liquid service only.



Dimensional Data (Class 150)					Stud Selection			Weight lb. (kg)	Cv
Size in. (mm)	A in. (mm)	B in. (mm)	C in. (mm)	D in. (mm)	Qty. 150lb.	Dia. 150lb. in. (mm)	Length in. (mm)		
2 (50)	6.25 (159)	4.75 (121)	2.25 (57)	2.00 (51)	4	0.63 (16)	3.25 (83)	16 (7.3)	69
2.5 (65)	7.00 (178)	5.50 (140)	2.63 (67)	2.50 (64)	4	0.63 (16)	3.50 (89)	24 (10.9)	108
3 (80)	7.50 (191)	6.38 (162)	3.38 (86)	3.00 (76)	4	0.63 (16)	3.75 (95)	32 (14.5)	155
4 (100)	8.50 (216)	9.00 (229)	4.38 (111)	4.00 (102)	8	0.63 (16)	3.75 (95)	59 (26.8)	277
5 (125)	9.50 (241)	10.00 (254)	5.25 (133)	5.00 (127)	8	0.75 (16)	4.00 (102)	75 (34.1)	433
6 (150)	10.50 (267)	11.00 (279)	6.25 (159)	6.00 (152)	8	0.75 (16)	4.00 (102)	96 (43.6)	623
8 (200)	13.50 (343)	15.50 (394)	8.38 (213)	8.00 (203)	8	0.75 (16)	4.25 (108)	178 (80.8)	1109
10 (250)	16.25 (413)	18.00 (457)	10.00 (254)	10.00 (254)	12	0.88 (22)	4.75 (121)	280 (127.1)	1733
12 (300)	20.25 (514)	21.00 (533)	12.00 (305)	12.00 (305)	12	0.88 (22)	4.75 (121)	450 (204.3)	2495

- Notes:**
1. Valved sizes 2" thru 10" will mate up to wafer style butterfly valves without the use of spool pieces or other adapters.
 2. Valves can be installed between ANSI Class 150lb. flanges.
 3. Soft seats are available. Please consult factory.
 4. All sizes have Buna-N (-13°F to 250°F) body O-Ring Seals. Contact factory for other materials.

- 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