

### Design Features

- Available in flanged body style.
- IFC Series FV125 are complete with FF flanges in accordance with ASME B16.1
- IFC Series FV150 are complete with RF flanges in accordance with ASME B16.5
- Standard Screen has 1/8" dia. holes on 3/16" centers.
- Standard "Dove Tail" resilient seating.
- Body meets applicable ASME Standard.

### Upper Pressure Limits (Non-Shock)

Valve Size - in. (mm)	Body Material	M.A.W.P. - psig (Bars)
2" - 12" (50 - 300mm)	A126-B	200 (13.79)
	A216-WCB	285 (19.65)
	A351-CF8M	275 (18.96)

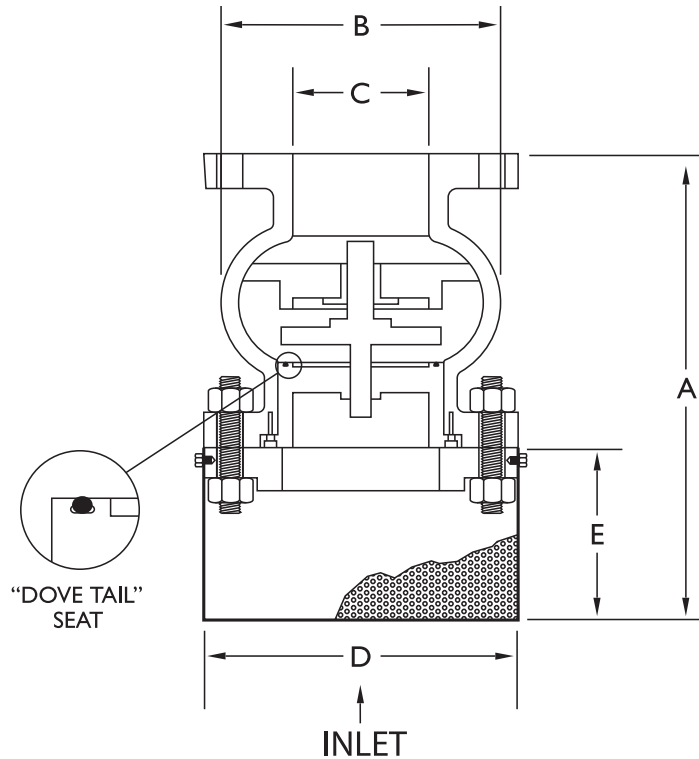
### Lower Temperature Limits

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

### Parts List and Standard Materials

Part	Description	Cast Iron	Carbon Steel	Stainless Steel
1	Body	A126-B Cast Iron	A216-WCB	A351-CF8M 316 SS
2	Plug	B148 C954 Aluminum Bronze A351-CF8M 316 SS	A351-CF8M 316 SS	A351-CF8M 316 SS
3	Seal <sup>1</sup>	Buna-N	Buna-N	Viton
4	Seat	B148 C954 Aluminum Bronze A351-CF8M 316 SS	A351-CF8M 316 SS	A351-CF8M 316 SS
5	Bushing	B148 C954 Aluminum Bronze A351-CF8M 316 SS	A351-CF8M 316 SS	A351-CF8M 316 SS
6	Set Screw	300 Series SS	N/A	N/A
7	Screen Retainer	300 Series SS	300 Series SS	300 Series SS
8	Ring Plate	A105 Carbon Steel	A105 Carbon Steel	A182 Stainless Steel
9	Screen	304 SS	304 SS	304 SS
10	Bolting	A193-B7/A194-2H Carbon Steel	A193-B7/A194-2H Carbon Steel	A193-88-1/A194-8 Carbon Steel
11	Gasket	Rubber	Rubber	Viton

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



Dimensional Data (Class 125, 150)								Stud Selection			Weight lb. (kg)	Cv
Size in. (mm)	A in. (mm)	B in. (mm)	C in. (mm)	D in. (mm)	E in. (mm)	Open Area in <sup>2</sup> . (mm <sup>2</sup> )	Open Area Ratio %	Qty/Flange 125lb./150lb.	Dia. in. (mm)	Length in. (mm)		
2 (50)	10.75 (273)	4.75 (121)	2.00 (51)	6.00 (152)	4.38 (111)	38.68 (982)	1231%	4	0.63 (16)	3.25 (83)	23 (10.4)	61
2.5 (65)	11.63 (295)	5.50 (140)	2.50 (64)	7.00 (178)	4.50 (114)	47.32 (1202)	964%	4	0.63 (16)	3.50 (89)	34 (15.4)	94
3 (80)	11.63 (295)	6.38 (162)	3.00 (76)	7.50 (191)	4.00 (102)	45.95 (1167)	650%	4	0.63 (16)	3.75 (95)	43 (19.5)	140
4 (100)	12.63 (321)	9.00 (229)	4.00 (102)	9.00 (229)	4.00 (102)	59.38 (1508)	473%	8	0.63 (16)	3.75 (95)	66 (30.0)	246
5 (125)	14.63 (372)	10.00 (254)	5.00 (127)	10.00 (254)	5.00 (127)	81.68 (2075)	416%	8	0.75 (19)	4.00 (102)	95 (43.1)	388
6 (150)	16.63 (422)	11.00 (279)	6.00 (152)	11.00 (279)	6.00 (152)	107.13 (2721)	379%	8	0.75 (19)	4.00 (102)	120 (54.5)	556
8 (200)	20.75 (527)	15.50 (394)	8.00 (203)	13.50 (343)	7.13 (181)	159.04 (4040)	316%	8	0.75 (19)	4.25 (108)	215 (97.6)	989
10 (250)	25.38 (645)	18.00 (457)	10.00 (254)	16.00 (406)	9.00 (229)	236.25 (6001)	300%	12	0.88 (22)	4.75 (121)	335 (152.1)	1561
12 (300)	31.13 (791)	21.00 (533)	12.00 (305)	19.00 (483)	10.75 (273)	340.23 (8642)	300%	12	0.88 (22)	4.75 (121)	526 (238.8)	2241
14 (350)	36.50 (927)	25.00 (635)	13.75 (349)	21.00 (533)	13.63 (346)	461.81 (11730)	300%	12	1.00 (25)	5.25 (133)	675 (306.5)	3034
16 (400)	41.00 (1041)	26.00 (660)	15.75 (400)	23.50 (597)	16.13 (410)	605.53 (15381)	300%	12	1.00 (25)	5.50 (140)	960 (435.8)	3891

- Notes:**
1. Screen open area based on a screen constructed from perforated plate with 1/8" dia. holes on 3/16" centers. (40% Open Area Media)
  2. Cast Iron valves can be installed between ANSI Class 125lb. flanges.
  3. Cast Steel and Stainless Steel valves can be installed between ANSI Class 150lb. flanges.
  4. It is recommended that Cast Iron valves have full face gaskets for installation.

- 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