

Design Features:

- Standard sizes from 2" - 24". Larger sizes available upon request.
- Available with RF or RTJ flanged (ASME B16.5) or Buttweld (ASME B16.9) end connections.
- Standard thru bolt cover design.
- Custom designs are available.
- Perforated screens are standard.
- May be installed in horizontal pipelines.
- All welders are qualified to ASME Section IX.
- Strainers designed to meet the requirements of ASME B31.1, ASME B31.3 and/or ASME Section VIII, Div. I.
- Drain is standard and is complete with plug.
- Vents, differentials and special covers are optional.

Pars List and Standard Materials

Part	Carbon Steel	Low Temp. Carbon Steel (-50° F)	Stainless Steel ¹
Shell	A53 E/B / A106-B	A333-6	A312
Nozzles	A53 E/B / A106-B	A333-6	A312
Reinforcement Pads ³	A516-70	A516-70	A240
Flanges	A105	A350-LF2	A182
Heads	A234-WPB / A516-70	A420-WVPL6	A403-WVP
Coupling/threadolets	A105	A350-LF2	A182
Plug	A105	A350-LF2	A182
Basket ²	304 SS	304 SS	304 SS
Gasket ²	304 SS Spiral Wound	304 SS Spiral Wound	304 SS Spiral Wound
Stud	A193-B7	A193-B7	A193-B8-1
Nut	A194-2H	A194-2H	A194-8

Notes: 1. 304SS strainers use 304 grade material. 316SS strainers use 316 grade material. Dual rated material may be used.

2. Recommended Spares.

3. When required and when used.

4. NACE MR01-75 qualification available upon request. Material specifications will change.

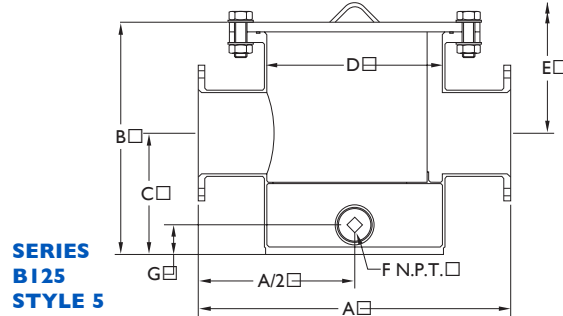
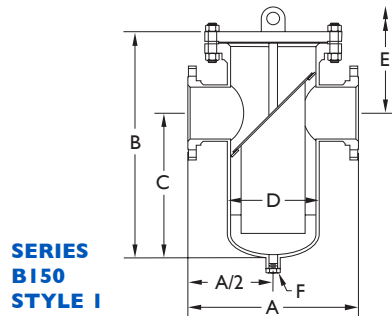
5. For strainers designed to ASME Section VIII, Div. I the "A" designation becomes "SA".

Upper Pressure Limits (Non-Shock) and Lower Temperature Limits (Unless otherwise specified)

IFC Model (Flanged)	Body Material	Maximum Design Pressure at 100°F psig (Bars) ¹	Lower Temperature Limit - M.D.M.T. °F (°C)
B125FSBW5	Carbon Steel - Epoxy Coated	175 psi Water	-20 (-28.9)
B150FSBW	Carbon Steel	285 (19.65)	-20 (-28.9)
B150FLCBW	Low Temp. Carbon Steel	285 (19.65)	-50 (-45.6)
B150FSS4BW / B150FSS6BW	304 / 316 SS	275 (18.96)	-20 (-28.9) Optional -425 (-253.9)
B150FSS4LBW / B150FSS6LBW	304L / 316L SS	230 (15.86)	-20 (-28.9) Optional -425 (-253.9)
B300FSBW	Carbon Steel	740 (51.02)	-20 (-28.9)
B300FLCBW	Low Temp. Carbon Steel	740 (51.02)	-50 (-45.6)
B300FSS4BW / B300FSS6BW	304 / 316 SS	720 (49.64)	-20 (-28.9) Optional -425 (-253.9)
B300FSS4LBW / B300FSS6LBW	304L / 316L SS	600 (41.37)	-20 (-28.9) Optional -425 (-253.9)
B600FSBW	Carbon Steel	1480 (102.04)	-20 (-28.9)
B600FLCBW	Low Temp. Carbon Steel	1480 (102.04)	-50 (-45.6)
B600FSS4BW / B600FSS6BW	304 / 316 SS	1440 (99.28)	-20 (-28.9) Optional -425 (-253.9)
B600FSS4LBW / B600FSS6LBW	304L / 316L SS	1200 (82.74)	-20 (-28.9) Optional -425 (-253.9)

Notes: 1. All strainers will be designed to the maximum design pressure at 100°F unless an alternative design pressure / temperature combination is specified. In many cases a cost savings will result if lower design pressures are acceptable.

2. Lower and higher M.D.M.T.s are available upon request.



Standard Screens

Series B150 – Style I		Series B125 – Style 5	
Size Range	Opening	Size Range	Opening
2" - 8" (50mm - 200mm)	0.125 in. (3.2mm)	3" - 10" (80mm - 250mm)	0.25 in. (6.4mm)
10" - 12" (250mm - 300mm)	0.125 in. (3.2mm)		
14" - 24" (250mm - 600mm)	0.188 in. (4.8mm)		

Notes: These strainers are UL Listed for Fireline Service.

Dimensional Data

Size in. (mm)	A in. (mm)		B in. (mm)		C in. (mm)		D in. (mm)		E in. (mm)		F in. (mm)		G in. (mm)		Weight Lb. (kg) Cover Unit			
	I	5	I	5	I	5	I	5	I	5	I	5	5	I	5	I	5	
2" 50	12.75 324	-	18.63 473	-	11.13 283	-	6.63 168	-	25.00 635	-	1/2 15	-	-	26 12	-	85 39	-	
3" 80	14.00 356	14.13 359	20.50 521	18.44 468	12.50 318	10.63 270	8.63 219	8.63 219	28.50 724	26.25 667	3/4 20	2 50	2.13 54	45 20	28 13	140 63	107 48	
4" 100	16.00 406	21.00 533	22.25 565	18.44 468	14.00 356	10.63 270	8.63 219	8.63 219	30.50 775	26.25 667	1 25	2 50	2.13 54	45 20	28 13	145 66	142 64	
5" 125	18.00 457	-	24.25 616	-	17.00 432	-	10.75 273	-	30.50 775	-	1 25	-	-	70 32	-	160 72	-	
6" 150	20.00 508	26.88 683	26.50 673	20.19 513	17.00 432	11.06 281	10.75 273	14.00 356	36.00 914	29.32 745	1 25	3 80	3.00 76	70 32	64 29	205 93	303 137	
8" 200	22.00 559	31.25 794	32.00 813	22.88 581	21.00 533	12.06 306	12.75 324	18.00 457	43.00 1092	33.70 856	1 1/2 40	3 80	3.00 76	110 50	143 65	420 190	398 180	
10" 250	32.00 813	30.00 762	41.50 1054	27.13 689	25.00 635	14.81 376	16.00 406	20.00 508	58.00 1473	39.45 1002	1 1/2 40	3 80	3.25 83	180 82	184 83	650 294	463 210	
12" 300	35.00 889	-	44.75 1137	-	28.00 711	-	18.00 457	-	61.50 1562	-	1 1/2 40	-	-	220 100	-	1205 546	-	
14" 350	37.00 940	-	48.75 1238	-	33.00 838	-	20.00 508	-	64.50 1638	-	2 50	-	-	285 129	-	1600 725	-	
16" 400	42.00 1067	-	54.25 1378	-	36.00 914	-	24.00 610	-	72.50 1842	-	2 50	-	-	430 195	-	1965 890	-	
18" 450	46.50 1181	-	60.00 1524	-	40.00 1016	-	24.00 610	-	80.00 2032	-	2 50	-	-	430 195	-	2200 997	-	
20" 500	52.00 1321	-	68.00 1727	-	46.00 1168	-	30.00 762	-	90.00 2286	-	2 50	-	-	965 437	-	3200 1450	-	
24" 600	64.00 1626	-	82.75 2102	-	55.00 1397	-	36.00 914	-	110.50 2807	-	2 50	-	-	1540 698	-	4500 2039	-	

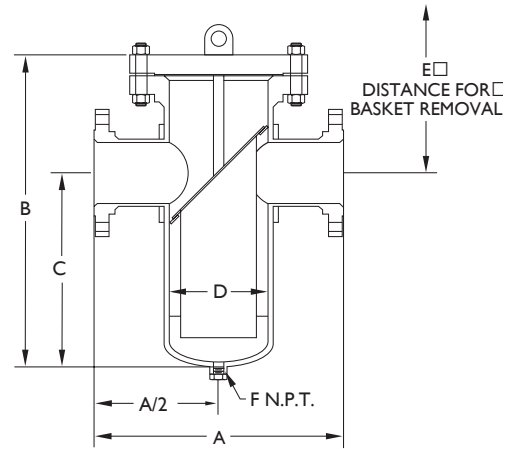
Notes: 1. Vents and Differentials are optional.
2. Cover lifting lug standard on sizes 10" and larger.

General:
1. For further optional features see pages 21-22.
2. Other perforations and screen materials available. Please see page 24.

3. For pressure loss information see page 25.
4. For ordering information please see page 38.
5. Dimensions shown are subject to change. Contact factory for certified prints when required.

Standard Screens

Size Range	Opening	Gauge Thickness
2" - 8" (50mm - 200mm)	0.125 in. (3.2mm)	22
10" - 12" (250mm - 300mm)	0.125 in. (3.2mm)	16
14" - 16" (350mm - 400mm)	0.188 in. (4.8mm)	11



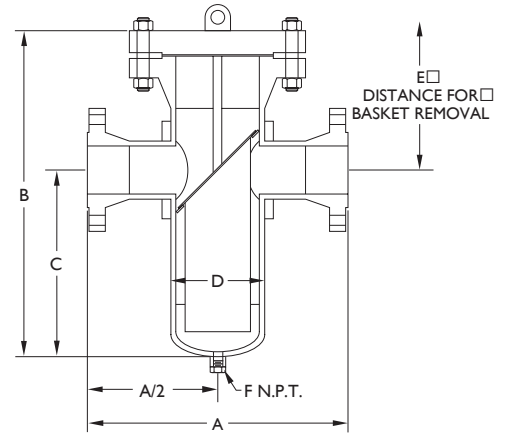
Dimensional Data

Size in. (mm)	A in. (mm)	B in. (mm)	C in. (mm)	D in. (mm)	E in. (mm)	F in. (mm)	Weight Lb. (kg)	Cover Unit
2"	14.88	20.00	12.00	6.63	28.00	1/2	50	195
50	378	508	305	168	711	15	23	89
3"	16.50	25.00	15.75	8.63	34.25	3/4	81	250
80	419	635	400	219	870	20	37	114
4"	18.63	26.00	15.88	8.63	36.13	1	81	300
100	473	660	403	219	918	25	37	136
5"	20.25	28.00	17.13	10.75	38.88	1	125	400
125	514	711	435	273	987	25	57	182
6"	24.50	30.75	19.13	10.75	42.38	1	125	480
150	622	781	486	273	1076	25	57	218
8"	24.88	35.50	22.00	12.75	55.75	1 1/2	185	681
200	632	902	559	324	1416	40	84	310
10"	35.38	42.50	27.25	16.00	57.25	1 1/2	295	1100
250	899	1080	692	406	1454	40	134	500
12"	39.38	47.75	30.38	18.00	65.12	1 1/2	395	1650
300	1000	1213	772	457	1654	40	179	750
14"	41.50	52.50	33.00	20.00	72.00	2	505	2600
350	1054	1334	838	508	1829	50	229	1182
16"	47.50	60.00	38.88	24.00	81.13	2	790	2750
400	1207	1524	988	610	2061	50	358	1250

- Notes:**
1. Vents and differentials are optional.
 2. Cover lifting lug standard on sizes 8" and larger.

Standard Screens

Size Range	Opening	Gauge Thickness
2" - 8" (50mm - 200mm)	0.125 in. (3.2mm)	22
10" - 12" (250mm - 300mm)	0.125 in. (3.2mm)	16
14" - 16" (350mm - 400mm)	0.188 in. (4.8mm)	11



Dimensional Data

Size in. (mm)	A in. (mm)	B in. (mm)	C in. (mm)	D in. (mm)	E in. (mm)	F in. (mm)	Weight Lb. (kg) Cover	Unit
2" (50)	18.38 (467)	21.88 (556)	12.00 (305)	6.63 (168)	31.75 (806)	1/2 (15)	86 (39)	245 (111)
3" (80)	23.88 (606)	26.50 (673)	15.75 (400)	8.63 (219)	37.25 (946)	3/4 (20)	140 (64)	360 (164)
4" (100)	23.88 (606)	29.00 (737)	17.38 (441)	8.63 (219)	44.63 (1133)	1 (25)	140 (64)	400 (182)
5" (125)	28.13 (714)	32.13 (816)	19.13 (486)	10.75 (273)	45.13 (1146)	1 (25)	230 (105)	750 (341)
6" (150)	29.88 (759)	36.25 (921)	21.38 (543)	10.75 (273)	51.13 (1299)	1 (25)	230 (105)	825 (375)
8" (200)	37.00 (940)	38.75 (984)	23.38 (594)	12.75 (324)	54.13 (1375)	1 1/2 (40)	295 (134)	1200 (545)
10" (250)	42.50 (1080)	47.25 (1200)	27.25 (692)	16.00 (406)	68.25 (1708)	1 1/2 (40)	495 (225)	1600 (727)
12" (300)	44.00 (1118)	53.25 (1353)	30.38 (772)	18.00 (457)	76.13 (1934)	1 1/2 (40)	630 (286)	1800 (818)
14" (350)	46.00 (1168)	60.00 (1524)	35.13 (892)	20.00 (508)	84.88 (2156)	2 (50)	810 (367)	3000 (1364)
16" (400)	54.00 (1372)	70.00 (1778)	42.25 (1073)	24.00 (610)	97.75 (2483)	2 (50)	1250 (567)	3200 (1455)

Notes: 1. Vents and differentials are optional.

2. Cover lifting lug standard on sizes 6" and larger.

General:

1. For further optional features see pages 21-22.
 2. Other perforations and screen materials available. Please see page 24.

3. For pressure loss information see page 25.
 4. For ordering information please see page 38.
 5. Dimensions shown are subject to change. Contact factory for certified prints when required.