

Design Features:

- Strainers are equipped with RF flanges in accordance with ASME B16.5.
- Strainer body meets ASME B16.5 and ASME B16.34.
- All strainers equipped with bolted cover flanges that utilize a flat gasket seal.
- Strainer cover flanges are designed in accordance with ASME Section VIII, Div. I Appendix II.
- Straight thru flow is accomplished by an angular basket design.
- Standard basket construction is 304 SS perforated plate.
- Recommended minimum straining level is 250 microns.
- N.P.T. drain connection furnished with plug.
- Recommended for installation in horizontal pipelines.

- Notes:** 1. See page 11 for details of available quick opening covers.
2. See page 19 for basket strainer effective areas.

Parts List and Standard Materials

Part IFC Model	Carbon Steel B150FSBI	Stainless Steel B150FSSBI
Body	A216-WCB	A351-CF8M
Cover	A216-WCB	A351-CF8M
Screen ¹	304SS	304SS
Plug ²	A105	A182-316
Gasket ¹	Bolted Cover: Teflon Quick Opening: See pg. 11	Bolted Cover: Teflon Quick Opening: See pg. 11
Bolt/Stud ²	A193-B7	A193-B8-1
Nut ²	A194-2H	A194-8

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

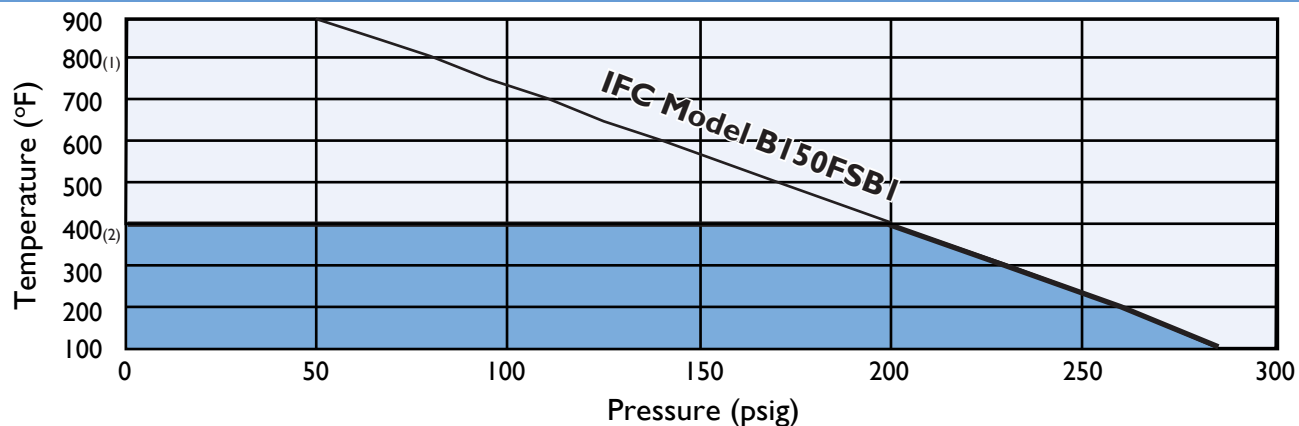
Upper Pressure Limits (Non-Shock)

IFC Model	Body Material	M.A.W.P. psig (Bars)
B150FSBI	WCB	285 (19.65)
B150FSSBI	CF8M	275 (18.96)

Lower Temperature Limits

Body Material	Lower Limit ;F (°C)
WCB	-20 (-28.9)
CF8M	-20 (-28.9)

Pressure Temperature Chart (in accordance with ASME B16.5, WCB)



- Notes:** 1. Teflon and blueguard limited to 400°F maximum sustained operating temperature.
When operating IFC series B150F Style I strainers at higher temperatures please consult factory.
2. Upon prolonged exposure to temperatures above 800°F, the carbide phase of carbon steel may be converted to graphite.

Standard Screens

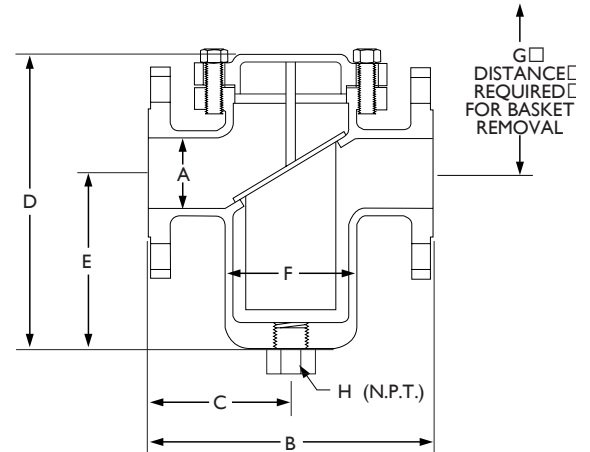
Size range	Opening
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2 - 3"	0.045 in.
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50mm - 80mm	1.2 mm
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4" - 12"	0.125 in.
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100mm - 300mm	3.2 mm
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Dimensional Data (Class 150)

Size in (mm)	A in (mm)	B in (mm)	C in (mm)	D in (mm)	E in (mm)	F in (mm)	G in (mm)	H NPT in (mm)	Weight Cover	Lb./ (Kg.) Unit
2"	2.00	8.13	4.06	8.88	5.25	3.88	12.50	1	5	29
50	51	206	103	225	133	98	318	25	2.3	13
2 1/2"	2.50	8.75	4.38	9.75	5.50	4.00	14.00	1	7	33
65	64	222	111	248	140	102	356	25	3.2	15
3"	3.00	9.88	4.94	11.25	7.13	4.38	15.38	1	9	44
80	76	251	125	286	181	111	391	25	4.1	20
4"	4.00	11.50	5.75	15.38	9.50	5.25	21.25	1	13	67
100	102	292	146	391	241	133	540	25	5.9	30
5"	5.00	13.13	6.56	15.88	9.50	7.50	22.25	1	20	105
125	127	333	167	403	241	191	565	25	9.1	48
6"	6.00	14.88	7.44	16.00	9.50	7.50	22.50	1	26	120
150	152	378	189	406	241	191	572	25	12	54
8"	8.00	18.75	9.38	21.00	12.63	10.00	29.38	1	45	220
200	203	476	238	533	321	254	746	25	20	100
10"	10.00	20.13	10.06	24.75	14.50	11.63	35.00	1	70	292
250	254	511	256	629	368	295	889	25	32	132
12"	12.00	26.25	13.13	29.75	17.00	15.88	42.50	1 1/2	110	455
300	305	667	333	756	432	403	1080	40	50	206

Notes: 1. Vents are optional.

2. Dimension "B" is +/- 0.13".

3. Dimension "D" will change when Quick Opening covers are used.

4. Dimensions shown are subject to change. Consult factory for certified prints when required.

General

1. Quick opening cover features are shown on pages 11-12.

2. See pg. 14 for available perforations and screen materials.

3. Pressure drop information is shown on pg. 15.

4. See pg. 22 for ordering information.

5. Dimensions shown are subject to change.

Consult factory for certified prints when required.