

Design Features:

- Strainers available with RF flanged (ANSI B16.5) or butt-weld (ANSI B16.25) end connections.
- Strainer body meets ASME B16.5 and ASME B16.34.
- One piece cast body.
- Strainers equipped with bolted cover flange that utilize a flat gasket seal.
- Bolted cover designed to meet the requirements of ASME Section VIII, Div.1, Appendix 2 and/or ASME B16.5.
- Upper and lower machined seats.
- 304 SS perforated screens are standard.
- Drain/Blow-off connection furnished with plug as standard.
- Generous screen area and properly proportioned straining chamber to minimize initial pressure drop while maximizing time between cleanings.

Parts List and Standard Materials

Part	Carbon Steel	Stainless Steel
Body	A216-WCB	A351-CF8M
Cover	A216-WCB	A351-CF8M
Screen ¹	304SS	304SS
Plug	A105	A182-316
Gasket ^{1,2}	Series Y150: Teflon Series Y300: 304 SS Spiral Wound	Series Y150: Teflon Series Y300: 304 SS Spiral Wound
Stud	A193-B7	A193-B8-1
Nut	A194-2H	A194-8

Upper Pressure Limits (Non-Shock)

IFC Model (RF Flanged)	Body Material	M.A.W.P. psig (Bars)
Y150FSB	WCB	285 (19.65)
Y150FSSB	CF8M	275 (18.96)
Y300FSB	WCB	740 (51.02)
Y300FSSB	CF8M	720 (49.64)

Lower Temperature Limits

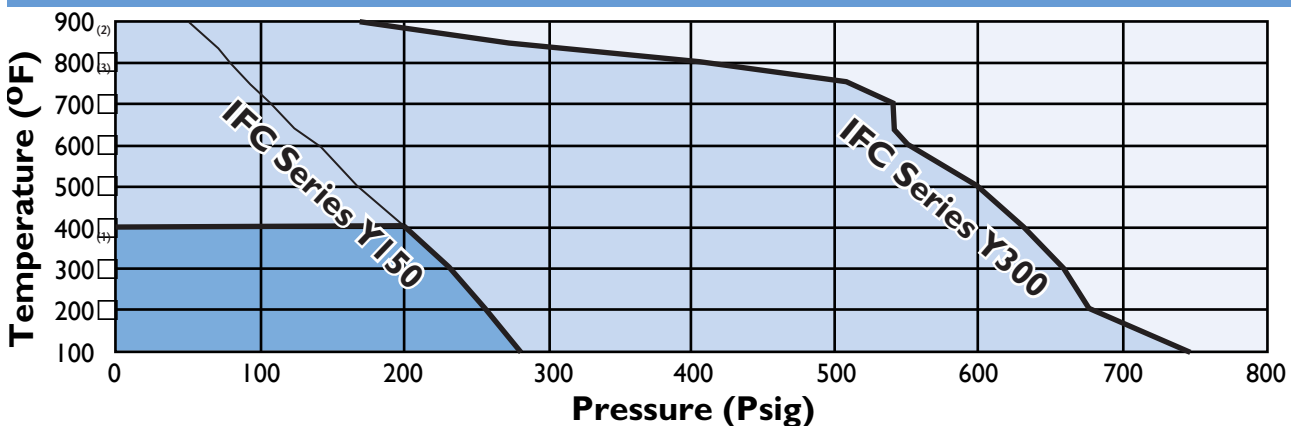
Body Material	Lower Limit °F (°C)
WCB	-20 (-28.9)
CF8M	-20 (-28.9)

Notes: 1. Recommended Spares.

2. Non-asbestos fabric gasket may be substituted at manufacturers option.

3. Also available in A352-LCC.

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 Y150 strainers at higher temperatures please consult factory.

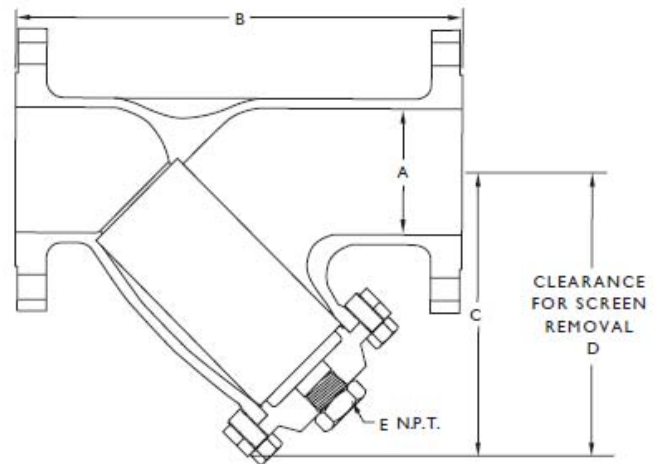
2. Graphite filled 304 SS Spiral Wound gaskets limited to 900°F in an oxidizing atmosphere.

When operating IFC Series Y300 strainers at higher temperatures please consult factory.

3. Upon prolonged exposure to temperatures above 800°F, the carbide phase of carbon steel may be converted to graphite.

Standard Screens	
Size range	Opening
1/2" - 1 1/2"	0.032 in.
15mm - 40mm	0.8mm
2" - 3"	0.045 in.
50mm - 80mm	1.2mm
4" & larger	0.125 in.
100mm & larger	3.2mm

Note: Flanged end strainer shown.
Butt-weld end strainer dimensionally the same.



Dimensional Data (Classes 150, 300)												
Size ¹ in (mm)	A in (mm)		B in (mm)		C in (mm)		D in (mm)		E NPT ² in (mm)		Weight Lb. (Kg.)	
	150	300	150	300	150	300	150	300	150	300	150	300
1/2"	0.5	0.5	6.00	6.50	3.88	4.25	4.75	5.75	1/4	1/4	5.5	8
15	13	13	152	165	99	108	121	146	8	8	2.5	3.6
3/4"	0.75	0.75	7.00	7.75	4.25	5.00	5.75	6.75	3/8	3/8	6.5	14
20	19	19	178	197	108	127	146	171	10	10	3	6.4
1"	1.00	1.00	7.50	7.88	4.75	5.50	6.38	8.12	1/2	1/2	9	15
25	25	25	191	200	121	140	162	206	15	15	4	6.8
1 1/2"	1.50	1.50	9.00	10.50	5.63	7.00	9.00	10.25	1/2	1/2	12	32
40	38	38	229	267	143	178	229	260	15	15	5.5	15
2"	2.0	2.0	8.63	9.32	5.25	5.69	7.50	8.00	1/2	1/2	20	26
50	51	51	219	236	133	145	191	203	15	15	9	12
2 1/2"	2.5	2.5	10.25	10.88	7.50	7.19	10.50	10.25	3/4	1	32	36
65	64	64	260	276	191	183	267	260	20	25	14.5	79
3"	3.00	3.00	11.63	12.63	7.69	8.13	10.88	11.50	1	1	36	55
80	76	76	295	320	195	207	276	292	25	25	16	25
4"	4.00	4.00	14.38	14.63	9.13	9.63	13.00	13.63	1 1/2	1 1/2	61	88
100	102	102	365	372	232	245	330	346	40	40	28	40
5"	5.00	5.00	17.63	18.50	11.00	15.38	17.00	21.50	2	2	110	180
125	127	127	448	470	279	391	432	546	50	50	50	82
6"	6.00	6.00	18.63	19.75	13.00	15.00	18.38	21.50	2	2	160	200
150	152	152	473	502	330	381	467	546	50	50	73	91
8"	8.00	8.00	24.38	25.00	15.32	16.50	21.63	22.00	2	2	210	290
200	203	203	619	635	389	419	549	559	50	50	95	132
10"	10.00	10.00	26.00	27.75	19.13	21.19	27.00	30.00	2	2	440	520
250	254	254	660	705	486	538	686	762	50	50	200	236
12"	12.00	12.00	30.38	33.00	22.00	24.31	31.00	34.38	2	2	585	680
300	305	305	772	838	559	617	787	873	50	50	265	308

Notes: 1. Other sizes available. Consult factory.
2. Other sizes and connection types available. Consult factory.

General:

- For further optional features see page 19.
- Other perforations and screen materials available. Please see page 20.
- For pressure loss information see page 21 and 23.
- For ordering information please see page 30.
- Dimensions shown are subject to change. Contact factory for certified prints when required.