

### 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 <sup>1</sup>	304SS	304SS
Plug	A105	A182-316
Gasket <sup>1,2</sup>	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

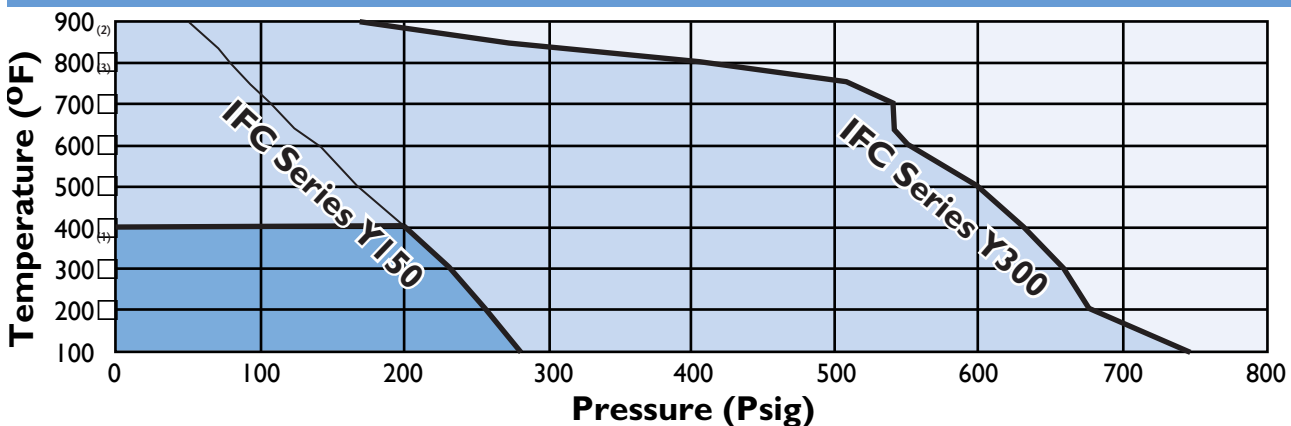
Body Material	Lower Limit $^{\circ}$ F ( $^{\circ}$ C)
WCB	-20 (-28.9)
CF8M	-20 (-28.9)

**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.

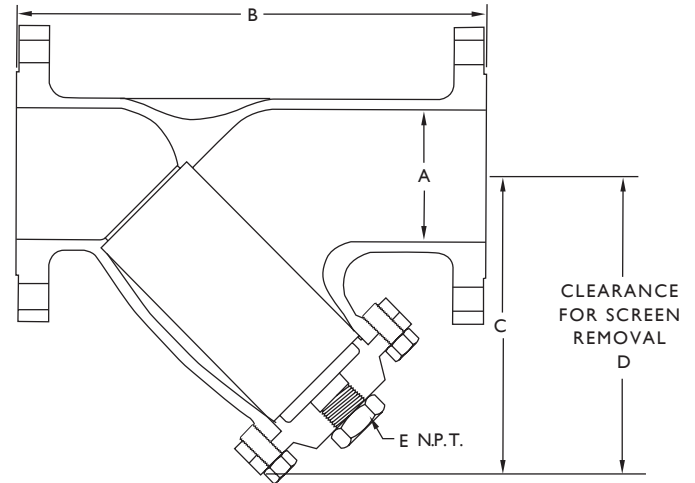
2. Graphite filled 304 SS Spiral Wound gaskets limited to 900°F in an oxidizing atmosphere.

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 <sup>1</sup> in (mm)	A in (mm)		B in (mm)		C in (mm)		D in (mm)		E NPT <sup>2</sup> 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	9.00	5.25	5.69	7.50	8.00	1/2	1/2	20	26
50	51	51	219	229	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.