

### 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. I, 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

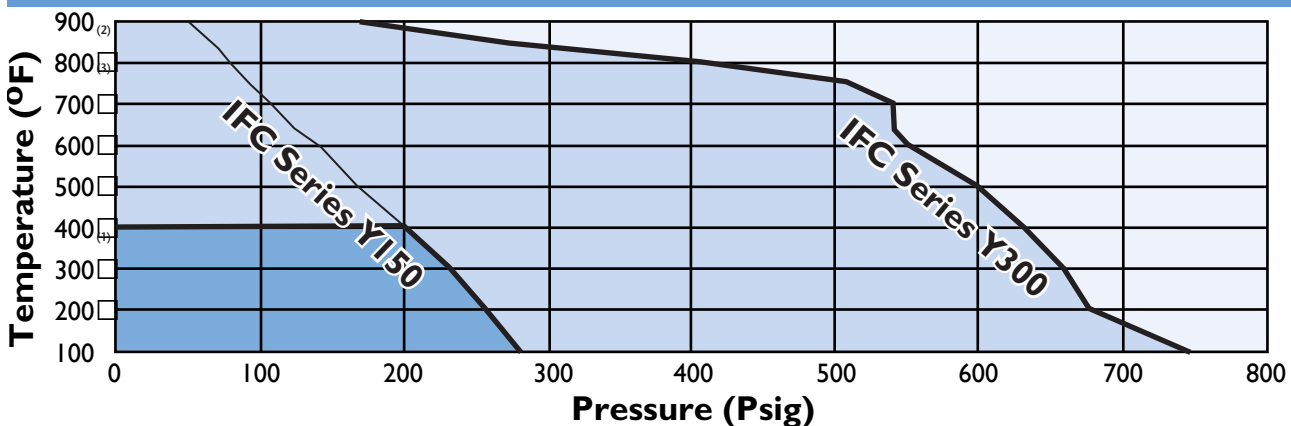
Body Material	Lower Limit $^{\circ}$ F ( $^{\circ}$ C)
WCB	-20 (-28.9)
CF8M	-20 (-28.9)

**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.

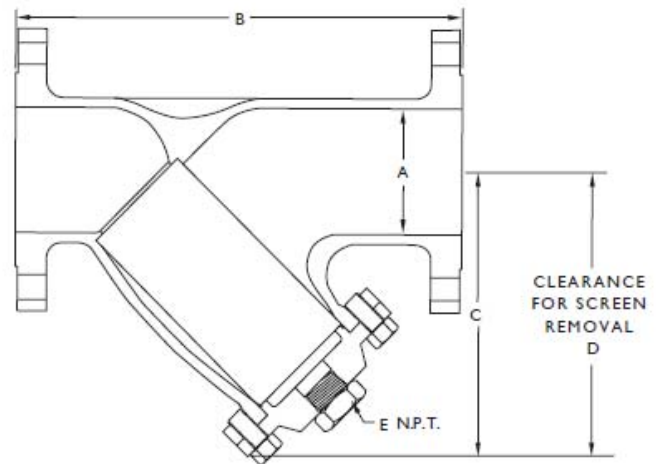
When operating IFC Series Y300 strainers at higher temperatures please consult factory.

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

**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.