

Design Features:

- Strainers are available with threaded (N.P.T.) or socket weld inlet/outlet connections.
- Strainer body meets applicable ASME Standard.
- One piece precision investment cast body.
- Strainers equipped with threaded cover cap that utilize a flat gasket seal.
- 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
Cap	A216-WCB	A351-CF8M
Screen ¹	304SS	304SS
Plug ²	A105	A182-316
Gasket ¹	Teflon	Teflon

Notes: 1. Recommended Spares.

2. Materials of equivalent strength may be substituted at manufacturer's option.

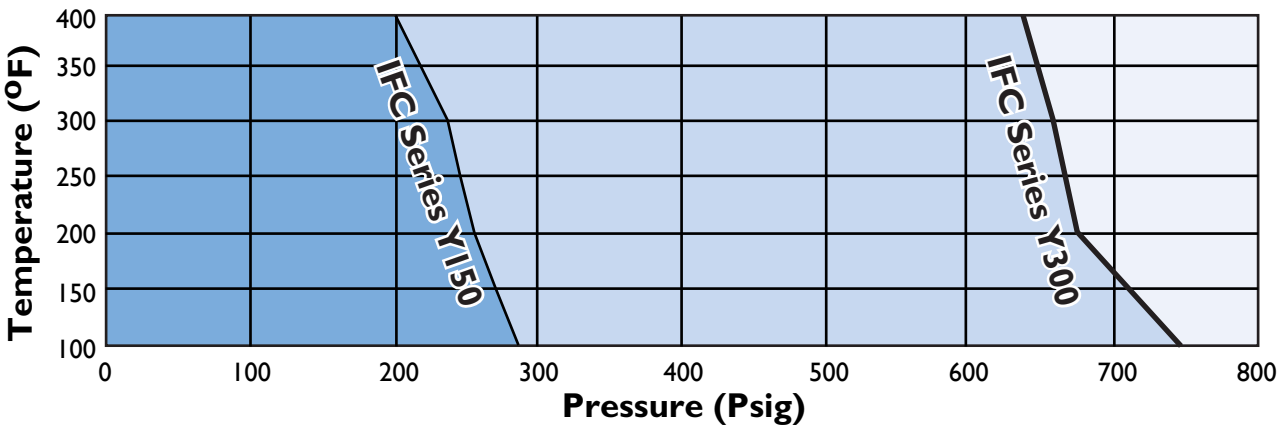
Upper Pressure Limits (Non-Shock)

IFC Model (Threaded)	Body Material	M.A.W.P. psig (Bars)
Y150TST	WCB	285 (19.65)
Y150TSST	CF8M	275 (18.96)
Y300TST	WCB	740 (51.02)
Y300TSST	CF8M	720 (49.64)

Lower Temperature Limits

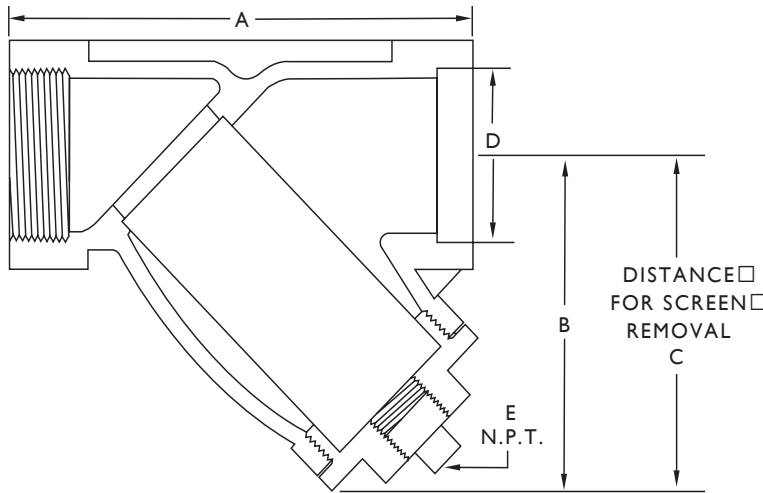
Body Material	Lower Limit ;F (;C)
WCB	-20 (-28.9)
CF8M	-20 (-28.9)

Pressure Temperature Chart (in accordance with ASME B16.34, WCB)



Note: Teflon limited to 400°F maximum sustained operating temperature.

When operating IFC series Y150 and Y300 cast steel strainers at higher temperatures please consult factory.



Standard Screens	
Size range	Opening
1/2" - 2"	0.032 in.
10mm - 50mm	0.8 mm
2 1/2" - 3"	0.045 in.
65mm - 80mm	1.2 mm

Dimensional Data (Class 150, 300)

Size in (mm)	A in (mm)		B in (mm)		C in (mm)		D in (mm)		E NPT in (mm)		Weight Lb. (Kg.)	
	Y150	Y300	Y150	Y300	Y150	Y300	Y150	Y300	Y150	Y300	Y150	Y300
1/2" 15	-	2.31 59	-	1.56 40	-	2.38 60	-	0.855 21.72	-	3/8 10	-	0.50 0.22
3/4" 20	-	3.13 80	-	2.13 54	-	3.19 81	-	1.065 27.05	-	3/8 10	-	0.82 0.37
1" 25	-	3.31 84	-	2.63 67	-	4.00 102	-	1.330 33.78	-	1/2 15	-	1.50 0.68
1 1/4" 32	-	4.13 105	-	3.00 76	-	4.50 114	-	1.675 42.55	-	1/2 15	-	2.0 0.90
1 1/2" 40	-	4.69 119	-	3.19 81	-	4.75 121	-	1.915 48.64	-	1/2 15	-	2.75 1.25
2" 50	-	5.44 138	-	3.81 97	-	5.75 146	-	2.406 61.11	-	1/2 15	-	4.25 1.90
2 1/2" 65	7.19 183	7.19 183	4.88 124	4.88 124	7.25 184	7.25 184	2.906 73.81	2.906 73.81	1/2 15	1/2 15	10 4.54	10 4.54
3" 80	8.00 203	8.00 203	5.25 133	5.25 133	7.50 190	7.50 190	3.535 89.79	3.535 89.79	1/2 15	1/2 15	14 6.35	14 6.35

General:

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