

### Design Features:

- Strainers are available with threaded (N.P.T.) or socket weld inlet/outlet connections.
- Strainer body meets ASME B16.34.
- Threaded and socket weld end connections meet the requirements of table 4 of ASME B16.34.
- Strainers equipped with threaded cover cap that utilize a flat gasket seal.
- Upper and lower machined seats.
- 304 SS perforated screens are standard. Alloy 20 strainers complete with Alloy 20 as 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	Chrome Molly	Stainless Steel	Carbon Steel Low Temp. (-50F)	Alloy 20
Body	A216-WCB	A217-WC6	A351-CF8M	A352-LCB	A351-CN7M
Cap <sup>2</sup>	A216-WCB	A217-WC6	A351-CF8M	A351-CF8M	A351-CN7M
Screen <sup>1</sup>	304 SS	304 SS	304 SS	304 SS	Alloy 20
Plug <sup>2</sup>	A105	A182-F11	A182-316	A182-316	B462
Gasket <sup>1</sup>	304 SS Spiral Wound	304 SS Spiral Wound	304 SS Spiral Wound	304 SS Spiral Wound	Alloy 20 Spiral Wound

### Upper Pressure Limits (Non-Shock)

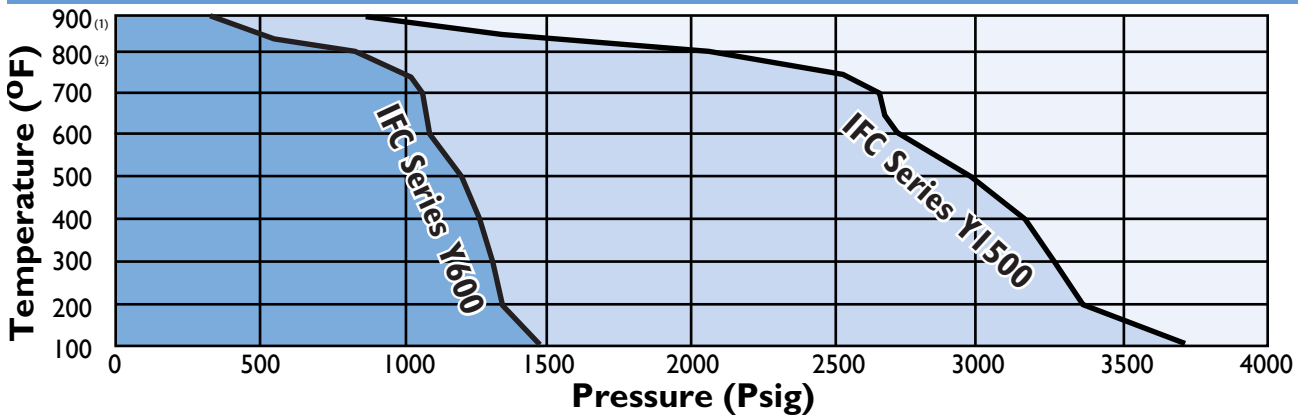
IFC Model (Threaded)	Body Material	M.A.W.P. psig (Bars)
Y600TST	WCB	1480 (102.04)
Y600TSST	CF8M	1440 (99.28)
Y600TA20T	CN7M	1200 (82.74)
Y600TLCBT	LCB	1390 (95.84)
Y1500TST	WCB	3705 (255.45)
Y1500T52CMT	WC6	3750 (258.55)
Y1500TSST	CF8M	3600 (248.21)

### Lower Temperature Limits

Body Material	Lower Limit ;F (;C)
WCB, WC6	-20 (-28.9)
CF8M, CN7M	-20 (-28.9)
LCB	-50 (-45.6)

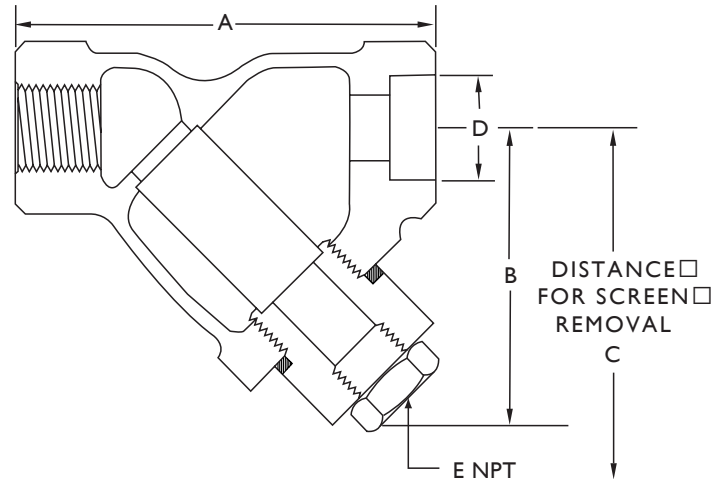
- Notes:** 1. Recommended Spares.  
2. Materials of equivalent strength may be substituted at manufacturer's option.

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



- Notes:** 1. Graphite filled 304 SS Spiral Wound gaskets limited to 900°F in an oxidizing atmosphere. When operating 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
1/2" - 1 1/2"	0.032 in.
15mm - 40mm	0.8 mm
2"	0.032 in.
50mm	0.8 mm



### Dimensional Data (Classes 600, 1500)

Size in (mm)	A in (mm)		B in (mm)		C in (mm)		D in (mm)	E NPT in (mm)		Weight Lb. (Kg.)	
	Y600	Y1500	Y600	Y1500	Y600	Y1500		Y600	Y1500	Y600	Y1500
1/2" 15	3.00 76	3.94 100	2.44 62	3.81 97	3.13 80	5.31 135	0.855 21.72	1/4 8	1/4 8	2 0.9	2.5 1.1
3/4" 20	3.75 95	4.25 108	2.94 75	4.19 106	3.56 90	5.00 127	1.065 27.05	3/8 10	3/8 10	3 1.4	4 1.8
1" 25	4.63 118	5.00 127	3.75 95	5.38 137	3.94 100	7.50 178	1.330 33.78	3/8 10	1/2 15	5 2.3	7 3.2
1 1/4" 32	5.00 127	-	4.00 102	-	4.25 108	-	1.675 42.55	3/4 20	-	7 3.2	-
1 1/2" 40	5.63 143	-	4.81 122	-	6.56 167	-	1.915 48.64	3/4 20	-	10 4.5	-
2" 50	7.00 178	-	6.13 156	-	6.75 171	-	2.406 61.11	1 25	-	15 6.8	-

**Note:** Drain/Blow-off connections are optional. Please contact factory.

#### 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.