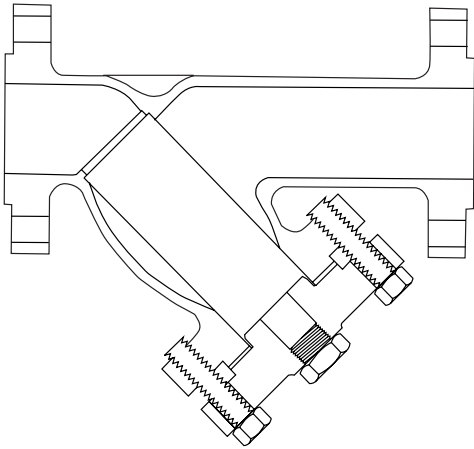


# IFC Series Y600F, Y900F and Y1500F Cast Steel Flanged Y-Strainers



### Design Features:

- Strainers available with RF or RTJ 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.
- Body cover flanges are in dimensional accordance with ASME B16.5.
- Strainers equipped with a bolted cover flange.
- 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 (IFC Series Y600 Only).
- 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 <sup>2</sup>	A216-WCB	A351-CF8M
Screen <sup>1</sup>	304 SS	304 SS
Plug	A105	A182-316
Gasket <sup>1</sup>	304 SS Spiral Wound	304 SS Spiral Wound
Stud	A193-B7	A193-B8-1
Nut	A194-2H	A194-8

**Notes:** 1. Recommended Spares.

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

3. Also available with ASTM A217-WC6 body and cover.

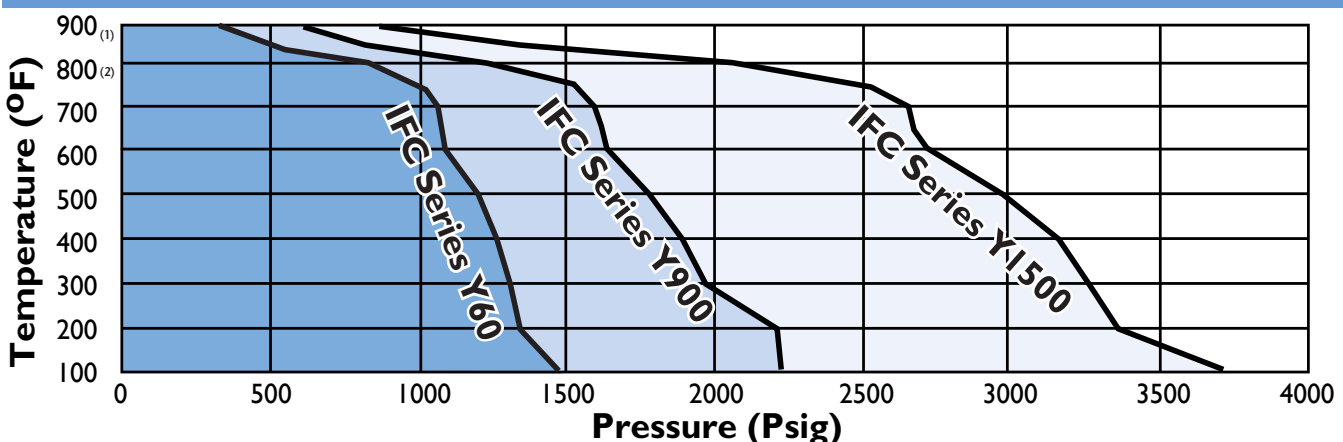
### Upper Pressure Limits (Non-Shock)

IFC Model (Flanged)	Body Material	M.A.W.P. psig (Bars)
Y600FSB	WCB	1480 (102.04)
Y600F52CMB	WC6	1500 (103.42)
Y600FSSB	CF8M	1440 (99.28)
Y900FSB	WCB	2220 (153.06)
Y900F52CMB	WC6	2250 (155.12)
Y900FSSB	CF8M	2160 (148.93)
Y1500FSB	WCB	3705 (255.45)
Y1500F52CMB	WC6	3750 (258.55)
Y1500FSSB	CF8M	3600 (248.21)

### Upper Pressure Limits (Non-Shock)

Body Material	Lower Limit ;F (°C)
WCB, WC6	-20 (-28.9)
CF8M	-20 (-28.9)

### Pressure Temperature Chart (in accordance with ASME B16.5, WCB)



**Notes:** 1. Graphite filled 304 SS Spiral Wound gaskets limited to 900°F in an oxidizing atmosphere.

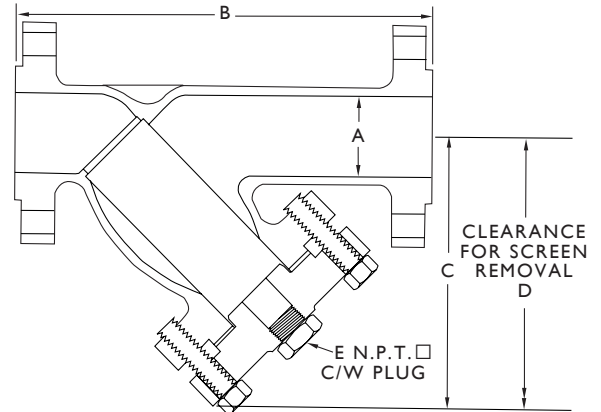
When operating strainers at higher temperatures please consult factory.

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
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 (Class 600)

Size <sup>1</sup> in (mm)	A in (mm)	B <sup>2</sup> in (mm)	C in (mm)	D in (mm)	E NPT <sup>3</sup> in (mm)	Weight Lb. (Kg.)
2" 50	2.00 51	12.50 318	8.00 203	9.00 229	1/2 15	45 20
3" 80	3.00 76	15.63 397	10.13 257	11.38 289	1 1/4 32	109 49
4" 100	4.00 102	20.00 508	13.00 330	14.50 368	1 1/2 40	197 89
6" 150	6.00 152	25.50 648	17.00 432	19.25 489	2 50	409 186
8" 200	7.88 200	30.00 330	21.38 543	23.00 584	2 50	710 322
10" 250	9.75 248	37.50 953	24.75 629	27.75 705	2 50	1430 649
12" 300	11.75 298	45.50 1156	36.00 914	41.00 1041	2 50	1750 794

### Dimensional Data (Classes 900, 1500) \*use columns from chart above

	900Y	1500Y	900Y	1500Y	900Y	1500Y	900Y	1500Y	900Y	1500Y	900Y	1500Y
2" 50	1.87 48	1.87 48	16.25 413	16.25 413	10.50 268	10.50 268	14.88 378	14.88 378	OPT.	OPT.	125 57	125 57
2 1/2" 65	2.25 57	2.25 57	19.38 492	19.38 492	13.19 335	13.19 335	18.63 473	18.63 473	OPT.	OPT.	145 66	145 66
3" 80	2.87 73	2.75 73	20.25 514	22.25 565	12.75 324	14.50 368	18.00 457	20.50 521	OPT.	OPT.	163 74	234 106
4" 100	3.87 98	3.63 92	23.25 541	25.25 641	15.00 381	16.38 416	21.25 539	23.00 584	OPT.	OPT.	253 115	355 161
6" 150	5.75 146	5.38 137	27.75 705	32.00 813	18.88 480	21.69 551	26.65 677	30.50 775	OPT.	OPT.	550 250	812 368
8" 200	7.50 191	7.00 178	34.50 876	41.00 1041	22.63 575	27.00 686	32.00 813	39.00 991	OPT.	OPT.	1075 488	1725 782

**Notes:**

- Other sizes available.
- Consult factory for strainers with butt-weld ends.

- Other sizes and connection types available. Consult factory.
- IFC Series Y900 and Y1500 strainers are not furnished with a drain/blow-down connection. If required consult factory.