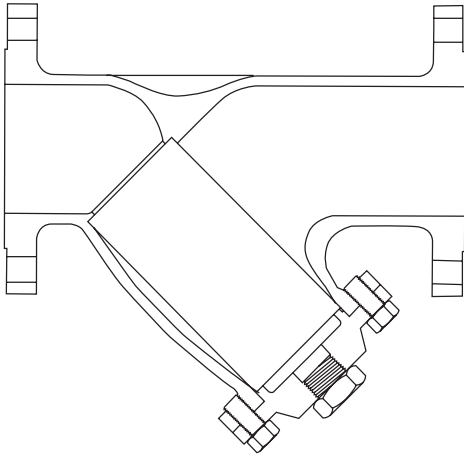


# IFC Series YI25F, YI50F and Y250F Iron and Bronze Flanged Y-Strainers



### Design Features:

- Ductile Iron strainers are complete with FF (Series YI25F) or RF (Series Y250F) flanges in accordance with ASME B16.1.
- Bronze strainers are complete with FF flanges in accordance with ASME B16.24.
- Strainer body meets applicable ASME Standard.
- One piece cast body.
- Strainers are equipped with bolted cover flange that utilizes 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 IFC Model	Ductile Iron YI25FDIB Sizes 2" to 12"	Cast Iron YI25FIB Sizes 14" & Up	Ductile Iron Y250FDIB Sizes 2" to 12"	Bronze YI50FBB Sizes 2" to 8"
Body	A395	A126-B	A395	B62
Cover	A395	A126-B	A395	B62
Screen <sup>1</sup>	304 SS	304 SS	304 SS	304 SS
Plug <sup>2</sup>	A126-B	A126-B	A126-B	B62
Gasket <sup>1</sup>	Graphite	Graphite	Graphite	Non-asbestos
Bolt/Stud <sup>2</sup>	A307-B	A307-B	A307-B	Nonferrous
Nut <sup>2</sup>	A563	A563	A563	-

### Upper Pressure Limits (Non-Shock)

IFC Model	Body Material	M.A.W.P. psig (Bars)
YI25FDIB	A395	200 (13.79)
YI25FIB	A126-B	200 (13.79)
YI50FBB	B62	225 (15.51)
Y250FDIB	A395	500 (34.47)

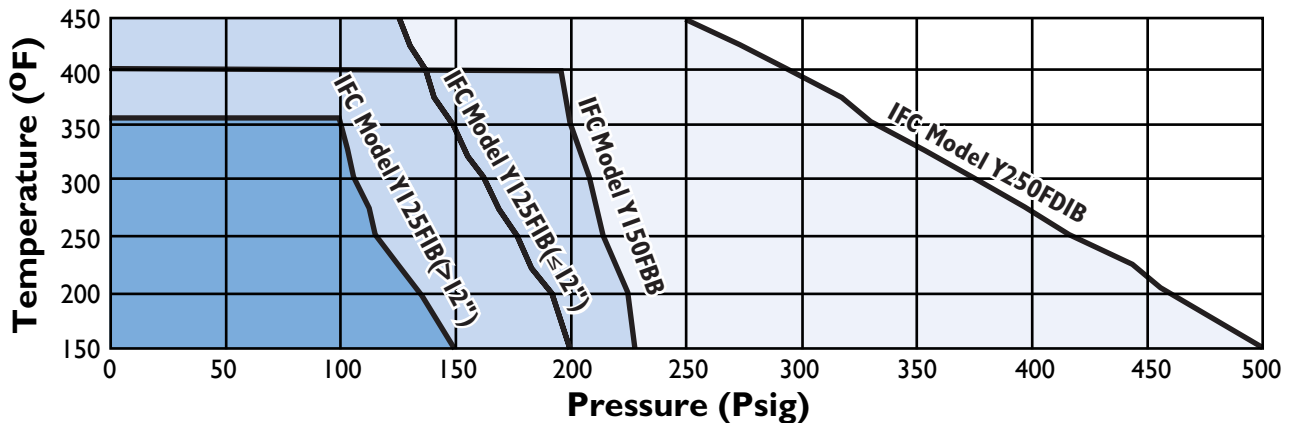
### Lower Temperature Limits

Body Material	Lower Limit F (C)
A126-B, A395, B62	-20 (-28.9)

Notes: 1. Recommended Spares.

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

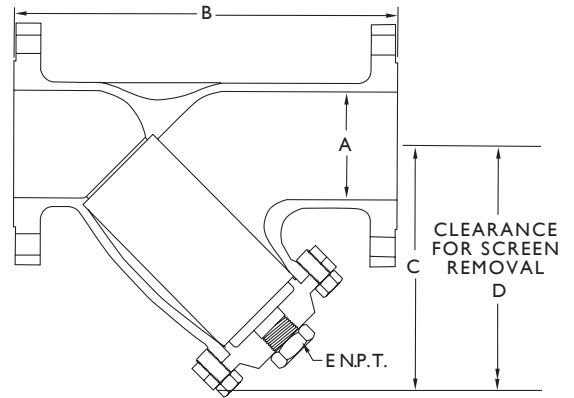
### Pressure Temperature Chart (in accordance with ASME B16.1 and ASME B16.34)



Note: Max rating temperature for IFC Model YI50FBB limited by codes such as ASME B31.1, ASME B31.5, etc.

### Standard Screens

Size range	Opening
2" - 3"	0.045 in.
50mm - 80mm	1.2 mm
4" & larger	0.125 in.
100mm & larger	3.2 mm



### Dimensional Data (Bronze Class 150) Y150FBB

Size in (mm)	A in (mm)	B in (mm)	C in (mm)	D in (mm)	E NPT in (mm)	Weight Lb. (Kg.)
2"	2.00	8.63	5.25	7.5	1/2	20
50	51	219	133	191	15	9
2 1/2"	2.50	10.25	7.00	9.88	3/4	32
65	64	260	178	251	20	15
3"	3.00	11.63	7.69	10.88	3/4	36
80	76	295	195	276	20	16
4"	4.00	14.38	9.13	13.00	1 1/2	61
100	102	365	232	330	40	28
6"	6.00	18.63	13.00	18.38	2	160
150	152	473	330	467	50	73
8"	8.00	24.38	15.31	21.63	2	210
200	203	619	389	549	50	95

### Dimensional Data (Iron Classes 125, 250) \*use columns from chart above

	YI25	Y250	YI25	Y250	YI25	Y250	YI25	Y250	YI25	Y250	YI25	Y250
2"	2.00	2.00	8.88	8.88	6.00	6.50	8.50	9.13	1/2	1/2	22	28
50	51	51	226	226	152	165	216	232	15	15	10	13
2 1/2"	2.50	2.50	10.75	11.25	8.00	7.00	11.25	9.88	1	1	35	38
65	64	64	273	289	203	178	286	251	25	25	16	17
3"	3.00	3.00	11.50	11.63	8.75	8.00	12.25	11.25	1	1	43	54
80	76	76	292	295	222	203	311	286	25	25	20	24
4"	4.00	4.00	13.88	14.50	9.50	10.75	13.38	15.00	1 1/4	1	75	110
100	102	102	353	368	241	273	340	381	32	25	34	50
5"	5.00	5.00	16.38	17.38	11.50	13.50	16.13	19.00	1 1/4	1 1/4	115	160
125	127	127	416	441	292	343	410	483	32	32	52	73
6"	6.00	6.00	18.50	18.75	12.63	16.25	17.69	22.75	1 1/2	1 1/2	154	224
150	152	152	470	476	321	413	449	578	40	40	70	102
8"	8.00	8.00	21.38	21.88	16.38	19.50	23.00	27.75	1 1/2	1 1/2	243	468
200	203	203	543	556	416	495	584	692	40	40	110	212
10"	10.00	10.00	26.00	27.25	19.00	21.25	26.70	29.75	2	2	390	590
250	254	254	660	692	483	540	678	756	50	50	177	268
12"	12.00	12.00	30.00	31.38	22.00	25.00	31.00	35.00	2	2	650	890
300	305	305	762	797	559	635	787	889	50	50	295	404
14"	14.00	-	37.38	-	29.00	-	41.00	-	2	-	815	-
350	356	-	949	-	737	-	1041	-	50	-	370	-
16"	16.00	-	42.50	-	33.00	-	46.00	-	2	-	1224	-
400	406	-	1080	-	838	-	1168	-	50	-	555	-

#### 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.