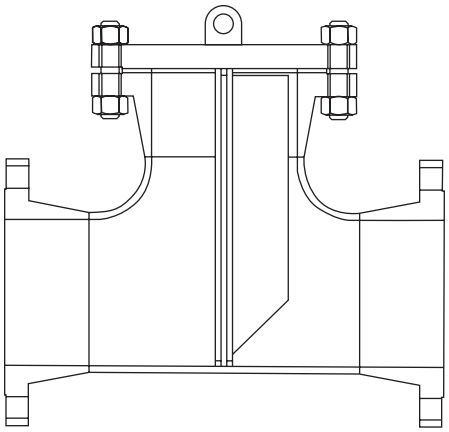
IFC Series T150, T300 and T600 Tee Strainers



Design Features:

- Standard Sizes from 2" - 24". Larger sizes available upon request.
- Available with RF or RTJ flanged (ASME B16.5) or Buttweld (ASME B16.9) end connections.
- Standard thru bolt cover design.
- Three flow configurations are available.
- 304 SS perforated screens are standard.
- Upstream and downstream screen supports allow for bi-directional flow [1].
- May be installed in horizontal or vertical pipelines.
- All welders are qualified to ASME Section IX.
- Strainers designed to meet the requirements of ASME B31.1, ASME B31.3 and/or ASME Section VIII, Div. 1.
- Drains, vents, differentials and special covers are optional.

Notes: 1. This requirement must be specified for strainer screens requiring mesh lining.

Parts List and Standard Materials

Part	Carbon Steel	Low Temp. Carbon Steel (-50°F)	Stainless Steel [1]
Body	A234-WPB	A420-WPL6	A403-WP
Flanges	A105	A350-LF2	A182
Screen [2]	304 SS	304 SS	304 SS
Internal support ribs:	Carbon Steel	304 SS	304 SS
Coupling/threadolets	A105	A350-LF2	A182
Plug [3]	A105	A350-LF2	A182
Gasket [2]	304 SS Spiral Wound	304 SS Spiral Wound	304 SS Spiral Wound
Stud	A193-B7	A193-B7	A193-B8-1
Nut	A194-2H	A194-2H	A194-8

Notes: 1. 304SS strainers use 304 grade material. 316SS strainers use 316 grade material. Dual rated material may be used.
2. Recommended Spares.
3. When required and when used.
4. NACE MR01-75 qualification available upon request. Material specifications will change.
5. Also available in other alloys.

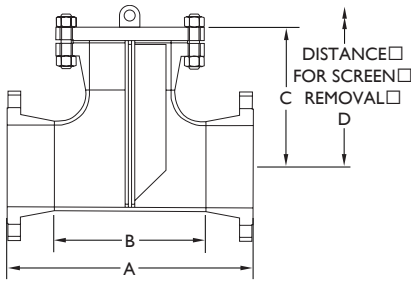
Upper Pressure Limits (Non-Shock) and Lower Temperature Limits (Unless otherwise specified)

IFC Model (RF Flanged)	Body Material	Maximum Design Pressure – at 100°F – psig (Bars) [1]	Lower Temperature Limit – M.D.M.T. – °F (°C)
T150FSBW	Carbon Steel	285 (19.65)	-20 (-28.9)
T150FLCBW	Low Temp. Carbon Steel	285 (19.65)	-50 (-45.6)
T150FSS4BW / T150FSS6BW	304 / 316 SS	275 (18.96)	-20 (-28.9) Optional -425 (-253.9)
T150FSS4LBW / T150FSS6LBW	304L / 316L SS	230 (15.86)	-20 (-28.9) Optional -425 (-253.9)
T300FSBW	Carbon Steel	740 (51.02)	-20 (-28.9)
T300FLCBW	Low Temp. Carbon Steel	740 (51.02)	-50 (-45.6)
T300FSS4BW / T300FSS6BW	304 / 316 SS	720 (49.64)	-20 (-28.9) Optional -425 (-253.9)
T300FSS4LBW / T300FSS6LBW	304L / 316L SS	600 (41.37)	-20 (-28.9) Optional -425 (-253.9)
T600FSBW	Carbon Steel	1480 (102.04)	-20 (-28.9)
T600FLCBW	Low Temp. Carbon Steel	1480 (102.04)	-50 (-45.6)
T600FSS4BW / T600FSS6BW	304 / 316 SS	1440 (99.28)	-20 (-28.9) Optional -425 (-253.9)
T600SS4LBW / T600FSS6LBW	304L / 316L SS	1200 (82.74)	-20 (-28.9) Optional -425 (-253.9)

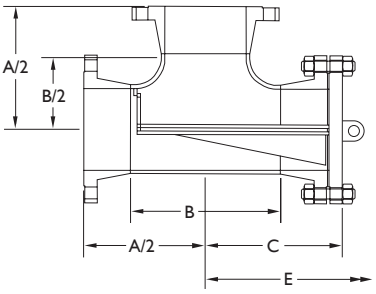
Notes: 1. All strainers will be designed to the maximum design pressure at 100°F unless an alternative design pressure / temperature combination is specified.
2. Lower and higher M.D.M.T.s are available upon request.

Tel. 905-335-8777 Fax. 905-335-0977 Toll Free Tel. 1-866-872-0072 Toll Free Fax. 1-866-872-0073

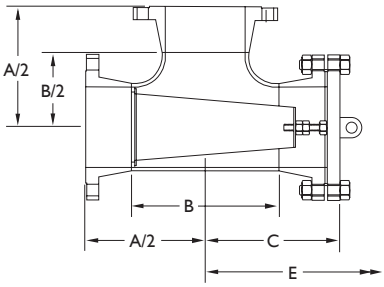
IFC Series T150 Dimensional Data



STYLE 1



STYLE 2



STYLE 3

Standard Screens

Size Range	Opening	Gauge Thickness
2" - 8" (50mm - 200mm)	0.125 in. (3.2mm)	22
10" - 12" (250mm - 300mm)	0.125 in. (3.2mm)	16
14" - 24" (350mm - 600mm)	0.188 in. (4.8mm)	11

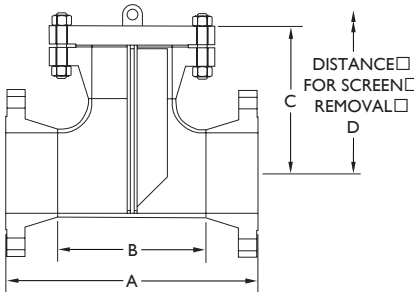
Dimensional Data

Size in. (mm)	A in. (mm)	B in. (mm)	C in. (mm)	D in. (mm)	E in. (mm)	Weight Lb. (kg.) Cover	Unit Flanged	Unit Buttweld
2" 50	10.00 254	5.00 127	5.75 146	11.00 279	12.50 318	5 2	28 13	16 7
3" 80	12.25 311	6.75 172	7.06 179	13.75 349	15.25 387	9 4	52 24	32 15
4" 100	14.25 362	8.25 210	8.06 205	16.25 413	18.38 467	17 8	79 36	49 22
5" 125	16.75 425	9.75 248	9.31 237	19.25 489	21.63 549	20 9	105 8	67 30
6" 150	18.25 464	11.25 286	10.13 257	21.25 540	23.68 606	26 12	140 64	92 42
8" 200	22.00 559	14.00 356	12.13 308	26.00 660	29.00 737	45 20	230 104	152 69
10" 250	25.00 635	17.00 432	13.69 348	30.00 762	33.50 851	70 32	325 148	221 100
12" 300	29.00 737	20.00 508	15.75 400	35.00 889	39.00 991	110 50	500 227	340 154
14" 350	32.00 813	22.00 559	17.38 441	39.00 991	43.00 1092	140 64	710 322	490 222
16" 400	34.00 864	24.00 610	18.44 468	42.00 1067	46.00 1168	180 82	860 390	580 263
18" 450	38.00 965	27.00 686	20.56 522	47.00 1194	51.50 1308	220 100	1025 465	725 329
20" 500	41.36 1051	30.00 762	22.38 568	51.38 1305	56.38 1432	285 129	1350 613	990 449
24" 600	46.00 1168	34.00 864	24.88 632	58.00 1473	63.00 1600	430 195	2100 953	1580 717

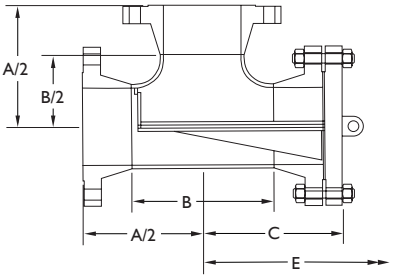
Notes: 1. Drains and differentials are optional.
2. Cover lifting lug standard on sizes 10" and larger.

General:
1. For further optional features see pages 21-22.
2. Other perforations and screen materials available. Please see page 24.
3. For pressure loss information see page 25.
4. For ordering information please see page 38.
5. Dimensions shown are subject to change. Contact factory for certified prints when required.

IFC Series T300 Dimensional Data



STYLE 1



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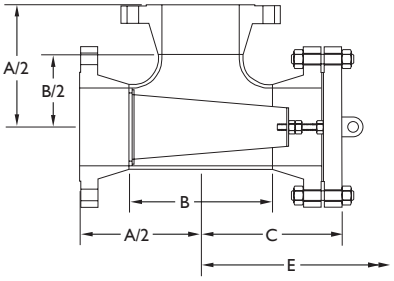

STYLE 3

Standard Screens

Size Range	Opening	Gauge Thickness
2" - 8" (50mm - 200mm)	0.125 in. (3.2mm)	22
10" - 12" (250mm - 300mm)	0.125 in. (3.2mm)	16
14" - 24" (350mm - 600mm)	0.188 in. (4.8mm)	11

Dimensional Data

Size in. (mm)	A in. (mm)	B in. (mm)	C in. (mm)	D in. (mm)	E in. (mm)	Weight Lb. (kg.) Cover	Unit Flanged	Unit Buttweld
2"	10.50	5.00	6.13	11.50	13.00	8	42	24
50	267	127	156	292	330	4	19	11
3"	13.00	6.75	7.63	14.50	16.00	16	72	42
80	330	172	194	368	406	7	33	19
4"	15.00	8.25	8.75	17.00	19.13	27	125	75
100	381	210	222	432	486	12	57	34
5"	17.50	9.75	10.13	20.00	22.38	35	160	96
125	445	248	257	508	568	16	73	44
6"	19.00	11.25	10.94	22.00	24.63	50	225	141
150	483	286	278	559	625	23	102	62
8"	22.75	14.00	13.00	26.75	29.75	81	350	216
200	578	356	330	679	756	37	159	98
10"	26.25	17.00	15.00	31.25	34.75	124	495	313
250	667	432	381	794	883	56	225	142
12"	30.25	20.00	17.13	36.25	40.25	185	765	485
300	768	508	435	921	1022	84	347	220
14"	33.25	22.00	18.75	40.25	44.25	250	1025	665
350	845	559	476	1022	1124	114	465	302
16"	35.50	24.00	20.00	43.50	47.50	295	1320	820
400	902	610	508	11.05	1207	134	599	372
18"	39.50	27.00	22.13	48.50	53.00	395	1700	1060
450	1003	686	562	1232	1346	179	772	481
20"	32.75	30.00	23.88	42.75	47.75	505	2250	1450
500	832	762	606	1086	1213	229	1022	658
24"	47.25	34.00	26.38	59.25	64.25	790	2340	2240
600	1200	864	670	1505	1632	359	1544	1017

Notes: 1. Drains and differentials are optional.
2. Cover lifting lug standard on sizes 8" and larger.

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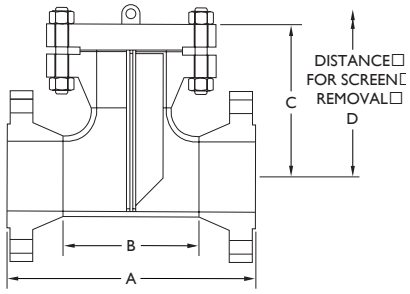
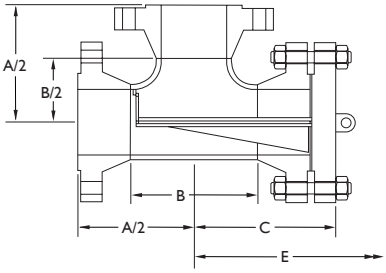
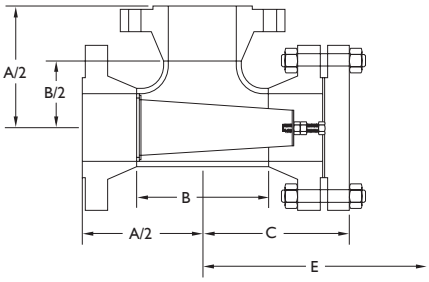
IFC Series T600 Dimensional Data



STYLE 1



STYLE 2



STYLE 3

Standard Screens

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14" - 24" (350mm - 600mm)	0.188 in. (4.8mm)	11

Dimensional Data

Size in. (mm)	A in. (mm)	B in. (mm)	C in. (mm)	D in. (mm)	E in. (mm)	Weight Lb. (kg.) Unit Cover	Flanged	Buttweld
2" 50	11.25 286	5.00 127	6.88 175	12.25 311	13.75 349	10 5	52 24	28 13
3" 80	13.75 349	6.75 172	8.38 213	15.25 387	16.75 425	20 9	100 45	54 25
4" 100	16.75 425	8.25 210	10.13 257	18.75 476	20.88 530	41 19	190 86	106 48
5" 125	19.25 489	9.75 248	11.63 295	21.75 552	24.13 613	68 31	295 134	159 72
6" 150	21.00 533	11.25 286	12.63 321	24.00 610	25.63 676	86 39	365 166	203 92
8" 200	25.00 635	14.00 356	14.94 379	29.00 737	32.00 813	140 64	580 263	340 154
10" 250	29.50 749	17.00 432	17.50 445	34.50 876	38.00 965	230 104	900 409	520 236
12" 300	32.75 832	20.00 508	19.25 489	38.75 984	42.75 1086	295 134	1150 522	700 318
14" 350	35.50 902	22.00 559	20.75 527	42.50 1080	46.50 1181	355 161	1480 672	920 418
16" 400	38.50 978	24.00 610	22.50 572	46.50 1181	50.50 1283	495 225	1950 885	1170 531
18" 450	42.00 1067	27.00 686	24.50 622	51.00 1295	55.50 1410	630 286	2450 1112	1500 681
20" 500	45.50 1156	30.00 762	26.50 673	55.50 1410	60.50 1537	810 368	3150 1430	1970 894
24" 600	50.50 1283	34.00 864	29.50 749	62.50 1588	67.50 1715	1250 568	4600 2088	2940 1335

Notes: 1. Drains and differentials are optional.
2. Cover lifting lug standard on sizes 6" and larger.

General:
1. For further optional features see pages 21-22.
2. Other perforations and screen materials available. Please see page 24.
3. For pressure loss information see page 25.
4. For ordering information please see page 38.
5. Dimensions shown are subject to change. Contact factory for certified prints when required.