

Applications

- Steam, Liquid, Gas and Oil Service
- Process Equipment
- Power Industry
- Chemical Industry
- Water and Waste
- Pulp and Paper
- Metals and Mining

T-Strainers

**Pressures to 3705 PSIG
Temperatures to 800°F**

FEATURES

- Horizontal or Vertical Installations
- Stainless Steel Perforated Screens
- Thru Bolt Cover is Standard

MATERIALS

- Stainless Steel
- Carbon Steel
- Other materials upon request

END CONNECTIONS

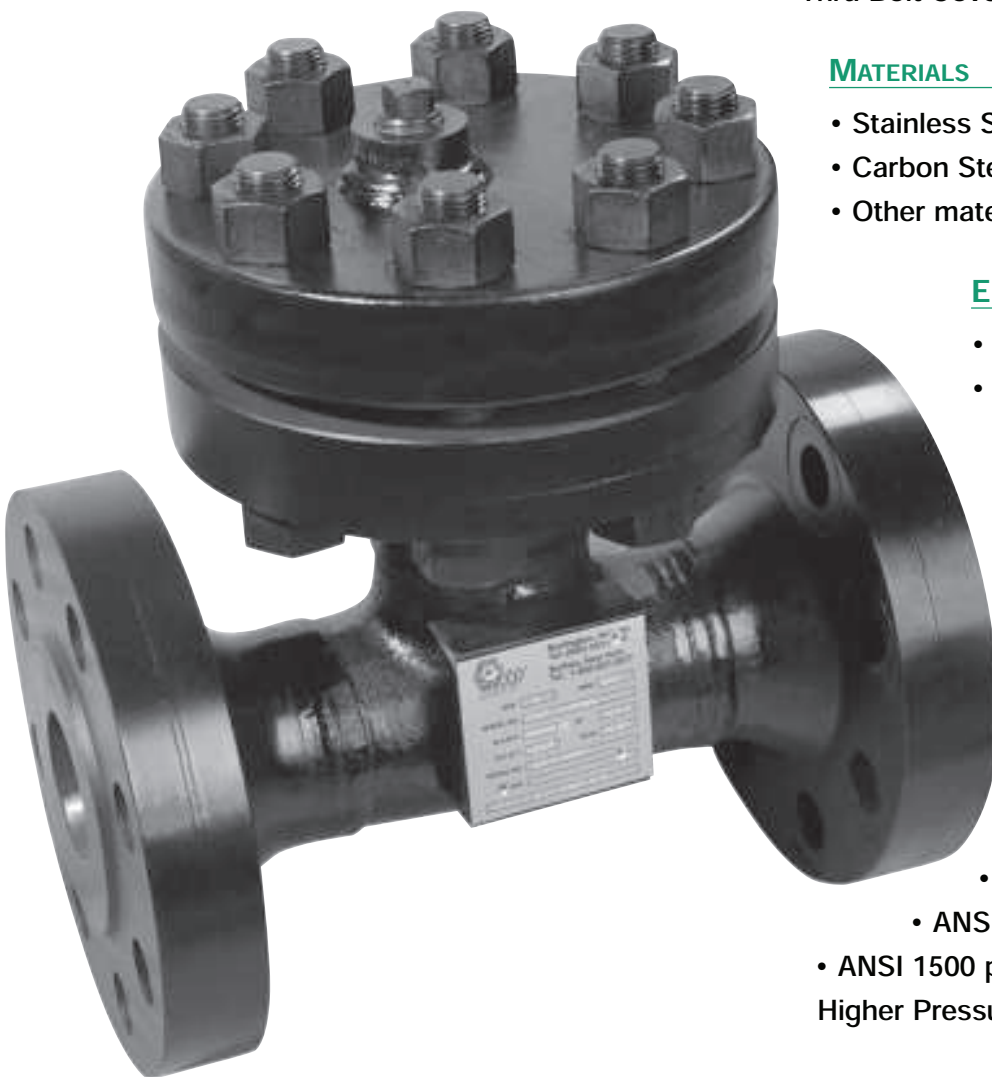
- Buttweld End
- RTJ or RF Flanges

SIZES

- 2" (50mm) up to 24" (600mm) as standard
- Large sizes upon request

RATINGS

- ANSI 150 psig
 - ANSI 300 psig
 - ANSI 600 psig
 - ANSI 900 psig
 - ANSI 1500 psig
- Higher Pressure Classes on Request



T-STRAINERS



FT SERIES FABRICATED T-STRAINERS

PRESSURES TO 3705 PSIG (255 BARG)

TEMPERATURES TO 800°F (427°C)

APPLICATIONS

- Steam, liquid, gas and oil service
- Power Industry
- Pulp & Paper
- Process Equipment
- Chemical Industry
- Metal & Mining
- Water & Waste
- Metal & Mining

- Custom engineered and fabricated T strainers
- RF or RTJ Flanges or Buttweld end connections in accordance with ASME 16.34 and 16.5
- Standard thru bolt cover design.
- Installation in horizontal or vertical pipelines.
- Three flow configurations available.
- Stainless steel perforated screens are standard
- Cover lifting lug standard on sizes 10" and larger

MODELS

- FT1 - Inline, straight through flow
- FT2 - 90 degree angle flow - top to side
- FT3 - 90 degree angle flow - side to top
- FTZ - Custom Configuration

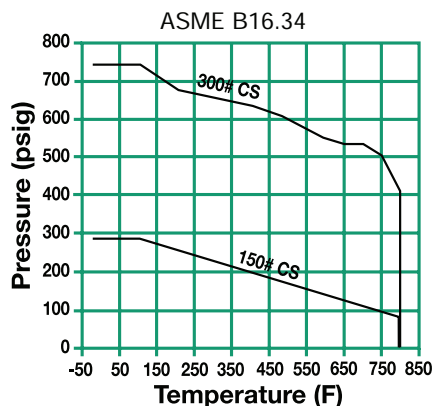
OPTIONS

- Other materials, sizes and/or configurations
- Quick Opening covers - See page 468
- Other screen, mesh or wedgewire - See page 484
- Vent, Drain and/or differential pressure connections
- "U" stamped vessels
- NACE MRO10-75 Certification
- External/Internal coatings
- 600# flanges and higher
- Oxygen cleaning
- Contact Factory for other Options

APPLICABLE CODES

- Designed/Manufactured to meet ASME B31.1, ASME B31.3, or ASME B31.4 and/or ASME Section VIII, Div. 1.
- Canadian Registration Numbers (CRN)
- Welders certified to ASME Section IX

PRESSURE/TEMPERATURE CHART



For higher pressure classes & other materials, consult factory.

For Quick Opening Covers see page 468

FT Series Ordering Code

Model		Material		Inlet Size	Class	Connec- tion	Dash	Cover	Perf	Mesh
F	T	2	V	P	4	R	-	B	4	A
1	2	3	4	5	6	7	8	9	10	11

Model - Position 1 - 3

- FT1 - Inline Flow
- FT2 - 90 degree angle flow - Top to Side
- FT3 - 90 degree angle flow - Side to Top
- FTZ - Custom Configurations

Material - Position 4

- C - Carbon Steel
- L - Low Temp CS
- V - 304 SS
- T - 316 SS
- M - Monel
- Z - Other

Inlet Size - Position 5

- H - 2 U - 16
- J - 2 1/2 V - 18
- K - 3 W - 20
- M - 4 X - 22
- N - 5 Y - 24
- P - 6 1 - 28
- Q - 8 2 - 30
- R - 10 3 - 36
- S - 12 4 - 40
- T - 14 Z - Other

Class - Position 6

- 1 - 150
- 2 - 250
- 3 - 300
- 4 - 600
- 5 - 900
- 6 - 1500
- Z - Other

Connection - Position 7

- B - Butt Weld¹
- F - Flat Face Flange
- J - Ring Joint Flange
- R - Raised Face Flange
- Z - Other

Dash - Position 8

Cover - Position 9

- B - Bolted
- C - Bolted w/C-Clamp
- D - Bolted w/Davit
- J - Bolted w/Hinge
- H - T - Bolt Hinged
- T - Threaded Hinged
- Y - Yoke Hinged
- Z - Other

Perf - Position 10

304 SS Material²

- B - 3/64"
- 1 - 1/32"
- 2 - 1/16"
- 3 - 3/32"
- 4 - 1/8"
- 5 - 5/32"
- 6 - 3/16"
- 7 - 7/32"
- 8 - 1/4"
- 9 - 3/8"
- Z - Other

Mesh²

Position 11

- A - None
- 1 - 10
- 2 - 20
- 3 - 30
- 4 - 40
- 5 - 50
- 6 - 60
- 7 - 80
- 8 - 100
- 9 - 120
- Z - Other

1. For Butt weld connections please specify mating pipe schedule.
2. For other screen material, contact factory.

For any variations, use the part numbering system above but clearly indicate the additional requirements.

FT1 SERIES FABRICATED T-STRAINERS

SPECIFICATION

T Strainer shall be designed and manufactured to meet ASME B31.1, ASME B31.3 or ANSI B31.4 and/or ASME Section VIII Div. 1. The strainer shall be straight flow design with vertical screen supports. The screen shall be size _____ perf Stainless Steel. The strainer shall have a bolted cover furnished. The strainer shall have an inlet size of _____ and Open Area Ratio of _____. The T Strainer shall be SSI FT1 Series.

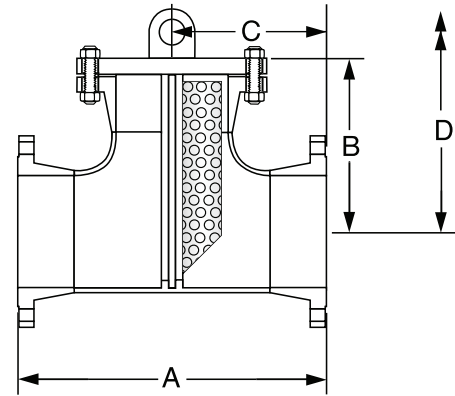
MATERIALS OF CONSTRUCTION (CARBON STEEL SHOWN*)

Part.....Carbon Steel
BodyA234-WPB
FlangesA105
Screen¹304 SS
Internal support ribsCarbon Steel
Coupling / threadoltsA105
Gasket¹304 SS Spiral Wound
StudA193-B7
Nut.....A194-2H

* Other material available - consult factory

1. Recommended Spare Parts

Materials specification will change when NACE MR01-75 is specified.



Connections: 2-24"

RF, RTJ or Buttweld²

2. For Buttweld connection please specify mating pipe schedule.

SCREEN OPENINGS

SIZE	STANDARD SCREEN	MATERIALS
2" - 12"	1/8" Perf.	304SS
14" - 24"	3/16" Perf.	304SS

DIMENSIONS inches (mm) AND WEIGHTS pounds (kg)

(For 600#, 900# and 1500# dimensions and weights - contact factory)

Size	A		B		C		D		Approx. Weights									
	Flanged		Buttweld		Flanged/ Buttweld		Flanged		Buttweld		Flanged/ Buttweld		Cover		Unit (Flanged)		Unit (Buttweld)	
	CLASS		CLASS		CLASS		CLASS		CLASS		CLASS		CLASS		CLASS		CLASS	
	150	300	150	300	150	300	150	300	150	300	150	300	150	300	150	300	150	300
2 (50)	10 (254)	10 1/2 (267)	5 (127)	5 (127)	5 7/8 (149)	6 1/4 (159)	5 (127)	5 1/4 (133)	2 1/2 (63)	2 1/2 (63)	11 (279)	11 1/2 (292)	5 (2.3)	8 (3.6)	28 (12.7)	42 (19.1)	16 (7.3)	24 (10.9)
2 1/2 (65)	11 1/2 (292)	12 (305)	6 (152)	6 (152)	6 5/8 (168)	7 (178)	5 3/4 (146)	6 (152)	3 (76)	3 (76)	12 15/16 (329)	13 7/16 (341)	7 (3.2)	14 (6.4)	40 (18.1)	55 (24.9)	25 (11.3)	30 (13.6)
3 (80)	12 1/4 (311)	13 (330)	6 3/4 (172)	6 3/4 (172)	7 3/16 (182)	7 3/4 (197)	6 1/8 (155)	6 1/2 (165)	3 3/8 (86)	3 3/8 (86)	13 3/4 (349)	14 1/2 (368)	9 (4.1)	16 (7.3)	52 (23.6)	72 (32.7)	32 (14.5)	42 (19.1)
4 (100)	14 1/4 (362)	15 (381)	8 1/4 (210)	8 1/4 (210)	8 3/16 (208)	8 7/8 (225)	7 1/8 (181)	7 1/2 (190)	4 1/8 (105)	4 1/8 (105)	16 1/4 (413)	17 (432)	17 (7.7)	27 (12.2)	79 (35.8)	125 (56.7)	49 (22.2)	75 (34)
5 (125)	16 3/4 (425)	17 1/2 (445)	9 3/4 (248)	9 3/4 (248)	9 7/16 (240)	10 1/4 (260)	8 3/8 (212)	8 3/4 (222)	4 7/8 (124)	4 7/8 (124)	19 1/4 (489)	20 (508)	20 (9.1)	35 (15.9)	105 (47.6)	160 (72.6)	67 (30.4)	96 (43.5)
6 (150)	18 1/4 (464)	19 (483)	11 1/4 (286)	11 1/4 (286)	10 1/4 (260)	11 (281)	9 1/8 (232)	9 1/2 (241)	5 5/8 (143)	5 5/8 (143)	21 1/4 (540)	22 (559)	26 (11.8)	50 (22.7)	140 (63.5)	225 (102.1)	92 (41.7)	141 (64)
8 (200)	22 (559)	22 3/4 (578)	14 (356)	14 (356)	12 1/4 (311)	13 1/8 (333)	11 (279)	11 3/8 (289)	7 (178)	7 (178)	26 (660)	26 3/4 (679)	45 (20.4)	81 (36.7)	230 (104.3)	350 (158.8)	152 (68.9)	216 (98)
10 (250)	25 (635)	26 1/4 (667)	17 (432)	17 (432)	13 13/16 (351)	15 1/8 (384)	12 1/2 (317)	13 1/8 (333)	8 1/2 (216)	8 1/2 (216)	30 (762)	31 1/4 (794)	70 (31.8)	124 (56.2)	325 (147.4)	495 (224.5)	221 (100.2)	313 (142)
12 (300)	29 (737)	30 1/4 (768)	20 (508)	20 (508)	15 7/8 (403)	17 1/4 (438)	14 1/2 (368)	15 1/8 (384)	10 (254)	10 (254)	35 (889)	36 1/4 (921)	110 (49.9)	185 (83.9)	500 (226.8)	765 (347)	340 (154.2)	485 (220)
14 (350)	32 (813)	33 1/4 (845)	22 (559)	22 (559)	17 1/2 (444)	18 7/8 (479)	16 (406)	16 5/8 (422)	11 (279)	11 (279)	39 (991)	40 1/4 (1022)	140 (63.5)	250 (113.4)	710 (322.1)	1025 (464.9)	490 (222.3)	665 (301.6)
16 (400)	34 (864)	35 1/2 (902)	24 (610)	24 (610)	18 9/16 (471)	20 1/8 (511)	17 (432)	17 3/4 (451)	12 (305)	12 (305)	42 (1067)	43 1/2 (1105)	180 (81.6)	295 (133.8)	860 (390.1)	1320 (598.8)	580 (263.1)	820 (372)
18 (450)	38 (965)	39 1/2 (1003)	27 (686)	27 (686)	20 11/16 (525)	22 1/4 (565)	19 (482)	19 3/4 (502)	13 1/2 (343)	13 1/2 (343)	47 (1194)	48 1/2 (1232)	220 (99.8)	395 (179.2)	1025 (464.9)	1700 (771.1)	725 (328.9)	1060 (480.8)
20 (500)	41 3/8 (1051)	42 3/4 (1085)	30 (762)	30 (762)	22 1/2 (571)	24 (609)	20 11/16 (525)	21 3/8 (542)	15 (381)	15 (381)	51 3/8 (1305)	52 3/4 (1340)	285 (129.3)	505 (229.1)	1350 (612.4)	2250 (1020.6)	990 (449.1)	1450 (657.7)
24 (600)	46 (1168)	47 1/4 (1200)	34 (864)	34 (864)	25 (635)	26 1/2 (673)	23 (584)	23 5/8 (600)	17 (432)	17 (432)	58 (1473)	59 1/4 (1505)	430 (195)	790 (358.3)	2100 (952.6)	2340 (1061.4)	1580 (716.7)	2240 (1016.1)

Note: Cover lifting lugs standard on sizes 10 and larger. Lifting lug dimensions are not included above. Dimensions shown are subject to change. Contact factory for certified prints when required.

FT1 SERIES
FABRICATED STRAINERS

FT2 SERIES FABRICATED T-STRAINERS

SPECIFICATION

T Strainer shall be designed and manufactured to meet ASME B31.1, ASME B31.3 or ANSI B31.4 and/or ASME Section VIII Div. 1. The strainer shall be 90 degree angle flow design with horizontal screen supports. The flow shall be top to side. The screen shall be size _____ perf Stainless Steel. The strainer shall have a bolted cover furnished. The strainer shall be have an inlet size of _____ and Open Area Ratio of _____. The T Strainer shall be SSI FT2 Series.

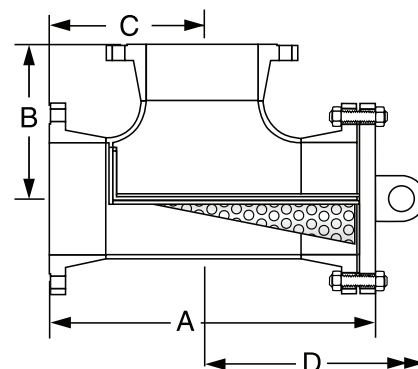
MATERIALS OF CONSTRUCTION (CARBON STEEL SHOWN*)

PartCarbon Steel
BodyA234-WPB
FlangesA105
Screen¹304 SS
Internal support ribsCarbon Steel
Coupling / threadoltsA105
Gasket¹304 SS Spiral Wound
StudA193-B7
Nut.....A194-2H

* Other material available - consult factory

1. Recommended Spare Parts

Materials specification will change when NACE MR01-75 is specified.



Connections: 2-24"

RF, RTJ or Buttweld²

2. For Buttweld connection please specify mating pipe schedule.

SCREEN OPENINGS

SIZE	STANDARD SCREEN	MATERIALS
2" - 12"	1/8" Perf.	304SS
14" - 24"	3/16" Perf.	304SS

DIMENSIONS inches (mm) AND WEIGHTS pounds (kg)

(For 600#, 900# and 1500# dimensions and weights - contact factory)

Size	A				B				C				D		Approx. Weights							
	Flanged		Buttweld		Flanged		Buttweld		Flanged		Buttweld		Flanged/ Buttweld		Cover		Unit (Flanged)		Unit (Buttweld)			
	CLASS		CLASS		CLASS		CLASS		CLASS		CLASS		CLASS		CLASS		CLASS		CLASS			
	150	300	150	300	150	300	150	300	150	300	150	300	150	300	150	300	150	300	150	300		
2 (50)	10 ³ / ₄ (273)	11 ³ / ₈ (289)	8 ¹ / ₄ (209)	8 ⁵ / ₈ (219)	5 (127)	5 ¹ / ₄ (133)	2 ¹ / ₂ (63)	2 ¹ / ₂ (63)	5 (127)	5 ¹ / ₄ (133)	2 ¹ / ₂ (63)	2 ¹ / ₂ (63)	12 ¹ / ₂ (318)	13 (330)	5 (2.3)	8 (3.6)	28 (12.7)	42 (19.1)	16 (7.3)	24 (10.9)		
2 ¹ / ₂ (65)	12 ³ / ₈ (314)	13 (330)	9 ⁵ / ₈ (244)	10 (254)	5 ³ / ₄ (146)	6 (152)	3 (76)	3 (76)	5 ³ / ₄ (146)	6 (152)	3 (76)	3 (76)	14 ³ / ₄ (375)	15 ¹ / ₂ (394)	7 (3.2)	14 (6.4)	40 (18.1)	55 (24.9)	25 (11.3)	30 (13.6)		
3 (80)	13 ³ / ₁₆ (335)	14 ¹ / ₈ (359)	10 ⁷ / ₁₆ (265)	11 (280)	6 ¹ / ₈ (155)	6 ¹ / ₂ (165)	3 ³ / ₈ (86)	3 ³ / ₈ (86)	6 ¹ / ₈ (155)	6 ¹ / ₂ (165)	3 ³ / ₈ (86)	3 ³ / ₈ (86)	15 ¹ / ₄ (387)	16 (406)	9 (4.1)	16 (7.3)	52 (23.6)	72 (32.7)	32 (14.5)	42 (19.1)		
4 (100)	15 ³ / ₁₆ (386)	16 ¹ / ₄ (412)	12 ³ / ₁₆ (310)	12 ⁷ / ₈ (327)	7 ¹ / ₈ (181)	7 ¹ / ₂ (190)	4 ¹ / ₈ (105)	4 ¹ / ₈ (105)	7 ¹ / ₈ (181)	7 ¹ / ₂ (190)	4 ¹ / ₈ (105)	4 ¹ / ₈ (105)	18 ³ / ₈ (467)	19 ¹ / ₈ (486)	17 (7.7)	27 (12.2)	79 (35.8)	125 (56.7)	49 (22.2)	75 (34)		
5 (125)	17 ¹ / ₁₆ (449)	18 ⁷ / ₈ (479)	14 ³ / ₁₆ (361)	15 (381)	8 ³ / ₈ (212)	8 ³ / ₄ (222)	4 ⁷ / ₈ (124)	4 ⁷ / ₈ (124)	8 ³ / ₈ (212)	8 ³ / ₄ (222)	4 ⁷ / ₈ (124)	4 ⁷ / ₈ (124)	21 ⁵ / ₈ (549)	22 ³ / ₈ (568)	20 (9.1)	35 (15.9)	105 (47.6)	160 (72.6)	67 (30.4)	96 (43.5)		
6 (150)	19 ¹ / ₄ (489)	20 ⁷ / ₁₆ (519)	15 ³ / ₄ (400)	16 ⁹ / ₁₆ (421)	9 ¹ / ₈ (232)	9 ¹ / ₂ (241)	5 ⁵ / ₈ (143)	5 ⁵ / ₈ (143)	9 1/8 (232)	9 ¹ / ₂ (241)	5 ⁵ / ₈ (143)	5 ⁵ / ₈ (143)	23 ¹¹ / ₁₆ (606)	24 ⁵ / ₈ (625)	26 (11.8)	50 (22.7)	140 (63.5)	225 (102.1)	92 (41.7)	141 (64)		
8 (200)	23 ¹ / ₈ (588)	24 ³ / ₈ (619)	19 ¹ / ₈ (486)	20 (508)	11 (279)	11 ³ / ₈ (289)	7 (178)	7 (178)	11 (279)	11 ³ / ₈ (289)	7 (178)	7 (178)	29 (737)	29 ³ / ₄ (756)	45 (20.4)	81 (36.7)	230 (104.3)	350 (158.8)	152 (68.9)	216 (98)		
10 (250)	26 ³ / ₁₆ (665)	28 ¹ / ₈ (714)	22 ³ / ₁₆ (564)	23 ¹ / ₂ (597)	12 ¹ / ₂ (317)	13 ¹ / ₈ (333)	8 ¹ / ₂ (216)	8 ¹ / ₂ (216)	12 ¹ / ₂ (317)	13 ¹ / ₈ (333)	8 ¹ / ₂ (216)	8 ¹ / ₂ (216)	33 ¹ / ₂ (851)	34 ³ / ₄ (883)	70 (31.8)	124 (56.2)	325 (147.4)	495 (224.5)	221 (100.2)	313 (142)		
12 (300)	30 ¹ / ₄ (768)	32 ¹ / ₄ (819)	25 ³ / ₄ (654)	27 ¹ / ₈ (689)	14 ¹ / ₂ (368)	15 ¹ / ₈ (384)	10 (254)	10 (254)	14 ¹ / ₂ (368)	15 ¹ / ₈ (384)	10 (254)	10 (254)	39 (991)	40 ¹ / ₄ (1022)	110 (49.9)	185 (83.9)	500 (226.8)	765 (347)	340 (154.2)	485 (220)		
14 (350)	33 ³ / ₈ (848)	35 ³ / ₈ (898)	28 ³ / ₈ (720)	29 ³ / ₄ (755)	16 (406)	16 ⁵ / ₈ (422)	11 (279)	11 (279)	16 (406)	16 ⁵ / ₈ (422)	11 (279)	11 (279)	43 (1092)	44 ¹ / ₄ (1124)	140 (63.5)	250 (113.4)	710 (322.1)	1025 (464.9)	490 (222.3)	665 (301.6)		
16 (400)	35 ⁷ / ₁₆ (900)	37 ³ / ₄ (959)	30 ⁷ / ₁₆ (773)	32 (813)	17 (432)	17 ³ / ₄ (451)	12 (305)	12 (305)	17 (432)	17 ³ / ₄ (451)	12 (305)	12 (305)	46 (1168)	47 ¹ / ₂ (1207)	180 (81.6)	295 (133.8)	860 (390.1)	1320 (598.8)	580 (263.1)	820 (372)		
18 (450)	39 ⁹ / ₁₆ (1005)	41 ⁷ / ₈ (1063)	34 (865)	35 ⁵ / ₈ (905)	19 (482)	19 ³ / ₄ (501)	13 ¹ / ₂ (343)	13 ¹ / ₂ (343)	19 (482)	19 ³ / ₄ (501)	13 ¹ / ₂ (343)	13 ¹ / ₂ (343)	51 ¹ / ₂ (1308)	53 (1346)	220 (99.8)	395 (179.2)	1025 (464.9)	1700 (771.1)	725 (328.9)	1060 (480.8)		
20 (500)	43 (1094)	45 ¹ / ₄ (1149)	37 ³ / ₈ (949)	38 ⁷ / ₈ (987)	20 ¹¹ / ₁₆ (525)	21 ³ / ₈ (543)	15 (381)	15 (381)	20 ¹¹ / ₁₆ (525)	21 ³ / ₈ (543)	15 (381)	15 (381)	59 ¹¹ / ₁₆ (1516)	62 ³ / ₄ (1594)	285 (129.3)	505 (229.1)	1350 (612.4)	2250 (1020.6)	990 (449.1)	1450 (657.7)		
24 (600)	47 ⁷ / ₈ (1216)	50 (1270)	41 ⁷ / ₈ (1064)	43 ³ / ₈ (1102)	23 (584)	23 ⁵ / ₈ (600)	17 (432)	17 (432)	23 (584)	23 ⁵ / ₈ (600)	17 (432)	17 (432)	63 (1600)	64 ¹ / ₄ (1632)	430 (195)	790 (358.3)	2100 (952.6)	2340 (1061.4)	1580 (716.7)	2240 (1016.1)		

Note: Cover lifting lugs standard on sizes 10 and larger. Lifting lug dimensions are not included above. Dimensions shown are subject to change. Contact factory for certified prints when required.

FT3 SERIES FABRICATED T-STRAINERS

SPECIFICATION

T Strainer shall be designed and manufactured to meet ASME B31.1, ASME B31.3 or ANSI B31.4 and/or ASME Section VIII Div. 1. The strainer shall be 90 degree angle flow design. The flow shall be side to top. The screen shall be size _____ perf Stainless Steel. The strainer shall have a bolted cover furnished. The strainer shall be have an inlet size of _____ and Open Area Ratio of _____. The T Strainer shall be SSI FT3 Series.

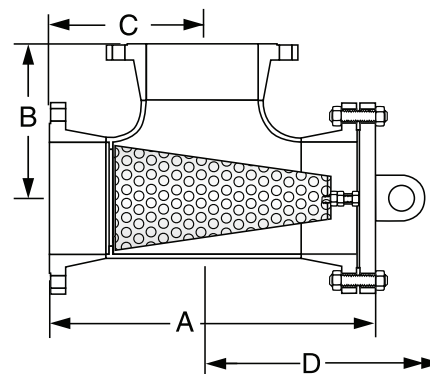
MATERIALS OF CONSTRUCTION (CARBON STEEL SHOWN*)

PartCarbon Steel
BodyA234-WPB
FlangesA105
Screen¹304 SS
Internal support ribsCarbon Steel
Coupling / threadoltsA105
Gasket¹304 SS Spiral Wound
StudA193-B7
Nut.....A194-2H

* Other material available - consult factory

1. Recommended Spare Parts

Materials specification will change when NACE MR01-75 is specified.



Connections: 2-24"
RF, RTJ or Buttweld²

2. For Buttweld connection please specify mating pipe schedule.

SCREEN OPENINGS

SIZE	STANDARD SCREEN	MATERIALS
2" - 12"	1/8" Perf.	304SS
14" - 24"	3/16" Perf.	304SS

DIMENSIONS inches (mm) AND WEIGHTS pounds (kg) (For 600#, 900# and 1500# dimensions and weights - contact factory)

Size	A				B				C				D		Approx. Weights					
	Flanged		Buttweld		Flanged		Buttweld		Flanged		Buttweld		Flanged/ Buttweld		Cover		Unit (Flanged)		Unit (Buttweld)	
	CLASS		CLASS		CLASS		CLASS		CLASS		CLASS		CLASS		CLASS		CLASS		CLASS	
	150	300	150	300	150	300	150	300	150	300	150	300	150	300	150	300	150	300	150	300
2 (50)	10 ³ / ₄ (273)	11 ³ / ₈ (289)	8 ¹ / ₄ (209)	8 ⁵ / ₈ (219)	5 (127)	5 ¹ / ₄ (133)	2 ¹ / ₂ (63)	2 ¹ / ₂ (63)	5 (127)	5 ¹ / ₄ (133)	2 ¹ / ₂ (63)	2 ¹ / ₂ (63)	12 ¹ / ₂ (318)	13 (330)	5 (2.3)	8 (3.6)	28 (12.7)	42 (19.1)	16 (7.3)	24 (10.9)
2 ¹ / ₂ (65)	12 ³ / ₈ (314)	13 (330)	9 ⁵ / ₈ (244)	10 (254)	5 ³ / ₄ (146)	6 (152)	3 (76)	3 (76)	5 ³ / ₄ (146)	6 (152)	3 (76)	3 (76)	14 ³ / ₄ (375)	15 ¹ / ₂ (394)	7 (3.2)	14 (6.4)	40 (18.1)	55 (24.9)	25 (11.3)	30 (13.6)
3 (80)	13 ³ / ₁₆ (335)	14 ¹ / ₈ (359)	10 ⁷ / ₁₆ (265)	11 (280)	6 ¹ / ₈ (155)	6 ¹ / ₂ (165)	3 ³ / ₈ (86)	3 ³ / ₈ (86)	6 ¹ / ₈ (155)	6 ¹ / ₂ (165)	3 ³ / ₈ (86)	3 ³ / ₈ (86)	15 ¹ / ₄ (387)	16 (406)	9 (4.1)	16 (7.3)	52 (23.6)	72 (32.7)	32 (14.5)	42 (19.1)
4 (100)	15 ³ / ₁₆ (386)	16 ¹ / ₄ (412)	12 ³ / ₁₆ (310)	12 ⁷ / ₈ (327)	7 ¹ / ₈ (181)	7 ¹ / ₂ (190)	4 ¹ / ₈ (105)	4 ¹ / ₈ (105)	7 ¹ / ₈ (181)	7 ¹ / ₂ (190)	4 ¹ / ₈ (105)	4 ¹ / ₈ (105)	18 ³ / ₈ (467)	19 ¹ / ₈ (486)	17 (7.7)	27 (12.2)	79 (35.8)	125 (56.7)	49 (22.2)	75 (34)
5 (125)	17 ¹¹ / ₁₆ (449)	18 ⁷ / ₈ (479)	14 ³ / ₁₆ (361)	15 (381)	8 ³ / ₈ (212)	8 ³ / ₄ (222)	4 ⁷ / ₈ (124)	4 ⁷ / ₈ (124)	8 ³ / ₈ (212)	8 ³ / ₄ (222)	4 ⁷ / ₈ (124)	4 ⁷ / ₈ (124)	21 ⁵ / ₈ (549)	22 ³ / ₈ (568)	20 (9.1)	35 (15.9)	105 (47.6)	160 (72.6)	67 (30.4)	96 (43.5)
6 (150)	19 ¹ / ₄ (489)	20 ⁷ / ₁₆ (519)	15 ³ / ₄ (400)	16 ⁹ / ₁₆ (421)	9 ¹ / ₈ (232)	9 ¹ / ₂ (241)	5 ⁵ / ₈ (143)	5 ⁵ / ₈ (143)	9 1/8 (232)	9 ¹ / ₂ (241)	5 ⁵ / ₈ (143)	5 ⁵ / ₈ (143)	23 ¹ / ₁₆ (606)	24 ⁵ / ₈ (625)	26 (11.8)	50 (22.7)	140 (63.5)	225 (102.1)	92 (41.7)	141 (64)
8 (200)	23 ¹ / ₈ (588)	24 ³ / ₈ (619)	19 ¹ / ₈ (486)	20 (508)	11 (279)	11 ³ / ₈ (289)	7 (178)	7 (178)	11 (279)	11 ³ / ₈ (289)	7 (178)	7 (178)	29 (737)	29 ³ / ₄ (756)	45 (20.4)	81 (36.7)	230 (104.3)	350 (158.8)	152 (68.9)	216 (98)
10 (250)	26 ³ / ₁₆ (665)	28 ¹ / ₈ (714)	22 ³ / ₁₆ (564)	23 ¹ / ₂ (597)	12 ¹ / ₂ (317)	13 ¹ / ₈ (333)	8 ¹ / ₂ (216)	8 ¹ / ₂ (216)	12 ¹ / ₂ (317)	13 ¹ / ₈ (333)	8 ¹ / ₂ (216)	8 ¹ / ₂ (216)	33 ¹ / ₂ (851)	34 ³ / ₄ (883)	70 (31.8)	124 (56.2)	325 (147.4)	495 (224.5)	221 (100.2)	313 (142)
12 (300)	30 ¹ / ₄ (768)	32 ¹ / ₄ (819)	25 ³ / ₄ (654)	27 ¹ / ₈ (689)	14 ¹ / ₂ (368)	15 ¹ / ₈ (384)	10 (254)	10 (254)	14 ¹ / ₂ (368)	15 ¹ / ₈ (384)	10 (254)	10 (254)	39 (991)	40 ¹ / ₄ (1022)	110 (49.9)	185 (83.9)	500 (226.8)	765 (347)	340 (154.2)	485 (220)
14 (350)	33 ³ / ₈ (848)	35 ³ / ₈ (898)	28 ³ / ₈ (720)	29 ³ / ₄ (755)	16 (406)	16 ⁵ / ₈ (422)	11 (279)	11 (279)	16 (406)	16 ⁵ / ₈ (422)	11 (279)	11 (279)	43 (1092)	44 ¹ / ₄ (1124)	140 (63.5)	250 (113.4)	710 (322.1)	1025 (464.9)	490 (222.3)	665 (301.6)
16 (400)	35 ⁷ / ₁₆ (900)	37 ³ / ₄ (959)	30 ⁷ / ₁₆ (773)	32 (813)	17 (432)	17 ³ / ₄ (451)	12 (305)	12 (305)	17 (432)	17 ³ / ₄ (451)	12 (305)	12 (305)	46 (1168)	47 ¹ / ₂ (1207)	180 (81.6)	295 (133.8)	860 (390.1)	1320 (598.8)	580 (263.1)	820 (372)
18 (450)	39 ⁹ / ₁₆ (1005)	41 ⁷ / ₈ (1063)	34 (865)	35 ⁵ / ₈ (905)	19 (482)	19 ³ / ₄ (501)	13 ¹ / ₂ (343)	13 ¹ / ₂ (343)	19 (482)	19 ³ / ₄ (501)	13 ¹ / ₂ (343)	13 ¹ / ₂ (343)	51 ¹ / ₂ (1308)	53 (1346)	220 (99.8)	395 (179.2)	1025 (464.9)	1700 (771.1)	725 (328.9)	1060 (480.8)
20 (500)	43 (1094)	45 ¹ / ₄ (1149)	37 ³ / ₈ (949)	38 ⁷ / ₈ (987)	20 ¹¹ / ₁₆ (525)	21 ³ / ₈ (543)	15 (381)	15 (381)	20 ¹¹ / ₁₆ (525)	21 ³ / ₈ (543)	15 (381)	15 (381)	59 ¹ / ₁₆ (1516)	62 ³ / ₄ (1594)	285 (129.3)	505 (229.1)	1350 (612.4)	2250 (1020.6)	990 (449.1)	1450 (657.7)
24 (600)	47 ⁷ / ₈ (1216)	50 (1270)	41 ⁷ / ₈ (1064)	43 ³ / ₈ (1102)	23 (584)	23 ⁵ / ₈ (600)	17 (432)	17 (432)	23 (584)	23 ⁵ / ₈ (600)	17 (432)	17 (432)	63 (1600)	64 ¹ / ₄ (1632)	430 (195)	790 (358.3)	2100 (952.6)	2340 (1061.4)	1580 (716.7)	2240 (1016.1)

Note: Cover lifting lugs standard on sizes 10 and larger. Lifting lug dimensions are not included above.
Dimensions shown are subject to change. Contact factory for certified prints when required.

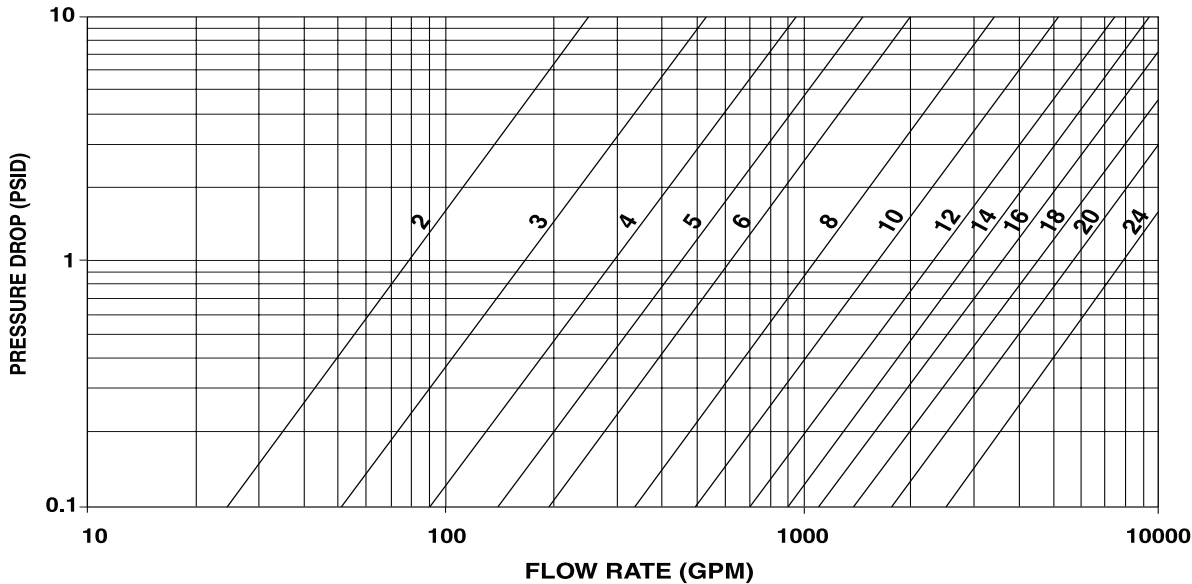
FT1 SERIES[†]

FABRICATED T-STRAINER

PRESSURE DROP - LIQUIDS

Water Service, Clean Basket, 1/32" - 1/4" Perforated Screen*

(SIZES 2" - 24")



Notes:

(1) Pressure drop curves are based on water flow with standard screens. See Screen Correction Factor Chart for correction factors to be used with other fluids and/or screen openings.

* For Gas or Air service, consult Factory

[†] FT2 and FT3 - For Pressure Drop contact Factory.

Correction Factors for Clogged Screens
Consult Factory

Steam Service Pressure Drop
Consult Factory

Correction Factors for Other Viscous Liquids and/or Mesh Liners
Consult Factory



FT1 SERIES[†]

FABRICATED T-STRAINER

OPEN AREA RATIOS

with Standard Perforated Screen

For FT2, FT3 Open Area Ratios please contact SSI.

Size	Perf. Diameter (inches)	Opening %	XH Pipe Inlet Area (in ²)	Gross Screen Area (in ²)	Free Screen Area (in ²)	Open Area Ratio (OAR)
2	1/8	40%	3.36	22	9	2.7
2½	1/8	40%	4.79	25	10	2.1
3	1/8	40%	7.39	40	16	2.2
4	1/8	40%	12.73	58	23	1.8
5	1/8	40%	20.01	82	33	1.6
6	1/8	40%	28.89	105	42	1.5
8	1/8	40%	50.03	167	67	1.3
10	1/8	40%	78.85	235	94	1.2
12	1/8	40%	113.10	330	132	1.2
14	3/16	50%	140.50	420	210	1.5
16	3/16	50%	185.66	510	255	1.4
18	3/16	50%	237.10	640	320	1.3
20	3/16	50%	294.83	780	390	1.3
24	3/16	50%	429.13	1,060	530	1.2

OAR = Free Screen Area / Inlet Area

Free Screen Area = Opening % x Gross Screen Area

Values shown are approximate. Consult factory for exact ratios.

[†] FT2 and FT3 - For Open Area Ratios contact Factory.

FT1 SERIES
FABRICATED STRAINERS

Other Screen Openings
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