

FABRICATED TEE STRAINERS

2" - 30" | ANSI CLASS 300



Fabricated Tee Strainers are required when an off-the-shelf solution will not meet your exact piping requirements. All of our Fabricated Strainers are made right here in the USA, at our state-of-the-art facility in the southeastern part of North Carolina.

18" Fabricated Tee Strainer, ANSI 300, with Optional Davit Assembly Shown

All pictures shown are for illustrative purposes only. Actual product may vary due to product enhancement.

Sizes 2" - 30"
Available

MODEL

FT 30 Series - 300 Class

MATERIALS:

- Carbon Steel • Stainless Steel
- Other Alloys

OPTIONS



- Gauge Taps
- Vent - (Standard)
- Drains
- Back Flush Valves
- Semi-Automatic
- Pressure Gauges
- DP Gauge Switch

CUSTOM COVER SOLUTIONS INCLUDING DAVITS & HINGED COVER



HINGED



DAVIT



BOLTED



ANSI CLASSES

ANSI Class 150 up to high pressure 900 class



STRAINING ELEMENTS

Customize to fit your requirements
Heavy Duty Baskets



END CONNECTIONS

Flanged, Raised Face, RTJ, Butt Weld, Socket Weld, Threaded



SANITARY

Sanitary Application Designs for food/pharmaceutical processing



TEMPERATURE CONTROL

Steam Jacket casing for set temperature control



UNIQUE PROJECTS

Rotated and Offset Nozzles to fit into your applications



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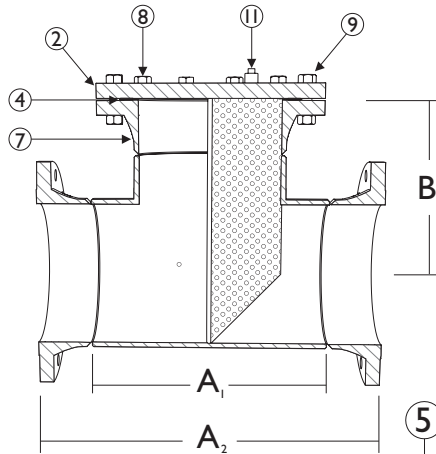
2" - 30"

FT 30 Series
Tee Strainer

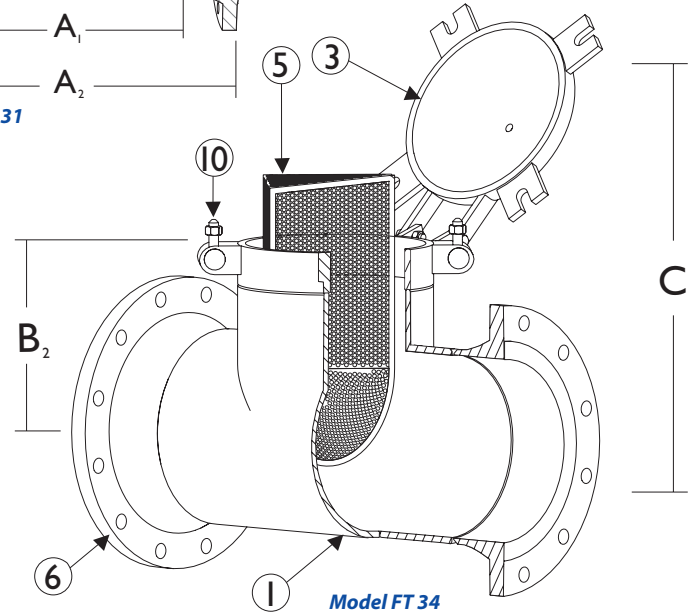
ANSI Class
300

BILL OF MATERIALS⁽¹⁾
FT 30 Series

Part	FT 30-35 CS	FT 30-35 SS
1 Body	Carbon Steel A234 Gr.WPB	Stainless Steel SA 403
2 Cover	Carbon Steel A105	Stainless Steel SA182 Type 316
3 Quick Open Cover Assembly	Carbon Steel A516 Gr.70	Stainless Steel Type 316
4 Cover Gasket/O-Ring ⁽²⁾	Bolted: Spiral Wound Stainless Steel	Quick Open: Buna-N ⁽³⁾
5 Straining Element ⁽²⁾⁽⁴⁾⁽⁵⁾	T304 SS	T304 SS
6 Inlet/Outlet Flange	Carbon Steel A105	Stainless Steel SA182 Type 316
7 Weld Neck Flange	Carbon Steel A105	Stainless Steel SA182 Type 316
8 Bolts	Carbon Steel A193-B7	Stainless Steel A193 B8 M
9 Nuts	Carbon Steel A194 2H	Stainless Steel A194 Gr.8
10 T-Bolt	Carbon Steel A325	Stainless Steel
11 Vent with Plug ⁽⁶⁾	Carbon Steel A105	Stainless Steel SA182 Type 316



Model FT 31



Model FT 34

Illustrations are representative of Titan FCI fabricated tee strainers; however, as with all fabricated designs, actual products may vary. Certified drawings are required for all Titan Fabrications.

Tee Strainers are not recommended for suction applications.

Optional bottom drains (2" NPT Standard) are available at extra cost.

1. Bill of Materials represents standard materials. Equivalent or better materials may be substituted at the manufacturer's discretion.
2. Titan recommends keeping spare parts on hand.
3. Buna-N is standard for applications below 250° F. Viton is standard for applications above 250° F.
4. Max mesh size available is 60 mesh.
5. 1/8" perf is standard for all mesh lined straining elements.
6. 1/2" NPT is standard

FT 30 Series: Tee Strainer Dimensions | 2" - 30" | ANSI CLASS 300

DIMENSIONS AND WEIGHTS⁽¹⁾

	in	2	2 1/2	3	4	5	6	8	10	12	14	16	18	20	24	30
	mm	50	65	80	100	125	150	200	250	300	355	405	460	508	610	762
(A₁) Face to Face⁽²⁾ FT 30, FT 33 - Butt-Weld	in	5.00	6.00	6.75	8.25	9.75	11.25	14.00	17.00	20.00	22.00	24.00	27.00	30.00	34.00	C/F
	mm	127	152	172	210	248	286	356	432	508	559	610	686	762	864	C/F
(A₂) Face to Face⁽²⁾ FT 31, FT 34 - Flanged	in	10.75	12.25	13.25	15.25	17.75	19.25	23.00	26.50	30.50	33.50	35.75	39.75	43.00	47.50	C/F
	mm	273	311	337	387	451	489	584	673	775	851	908	1010	1092	1207	C/F
(B₁) Ctr-Line to Top⁽³⁾ FT 30-32 - Bolted Cover	in	5.38	6.13	6.63	7.63	8.88	9.63	11.50	13.25	15.25	16.75	17.88	19.88	21.5	23.75	C/F
	mm	137	157	168	194	225	245	292	337	387	426	454	505	546	603	C/F
(B₂) Ctr-Line to Top⁽³⁾ FT 33-35 - Quick Open Cover	in	n/a	n/a	n/a	n/a	n/a	9.94	11.56	13.94	15.90	17.60	19.00	21.50	23.94	27.25	C/F
	mm	n/a	n/a	n/a	n/a	n/a	252	294	354	403	446	483	546	608	692	C/F
C Dimension Screen Removal	in	11.94	13.69	15.00	17.50	20.53	22.56	27.31	31.90	36.88	40.50	43.75	48.75	53.00	59.50	C/F
	mm	303	348	381	446	522	573	694	810	937	1029	1111	1238	1346	1511	C/F
Approx. Weight: FT 30	lb	25.63	C/F	51.25	83.13	C/F	161.25	255.00	381.25	578.75	776.25	1056.25	1332.50	1743.75	3296.25	C/F
	kg	11.63	C/F	23.25	37.71	C/F	73.14	115.70	173.00	262.52	352.00	479.11	604.42	791.00	1495.20	C/F
Approx. Weight: FT 31	lb	48.13	C/F	96.25	149.38	C/F	273.75	427.50	631.25	933.75	1291.25	1681.25	2132.50	2743.75	4746.25	C/F
	kg	21.80	C/F	43.70	67.80	C/F	124.20	194.00	286.33	423.54	585.70	762.60	967.30	1244.54	2153.00	C/F

1. Dimensions and weights of the FT 30 Series are provided for reference only. Certified drawings are required for all Titan Fabrications.
2. Face to face values have a tolerance of ±0.06 in (±2.0 mm) for sizes 10" and lower and a tolerance of ±0.12 in (±3.0 mm) for sizes 12" and larger.
3. Center line to top dimension is to the top of the body flange. Quick open cover dimension is to the top of body housing.

Titan FCI's fabricated products are made to each customer's unique specifications. Dimensions, materials, and all other product details referenced in this literature are general in nature. Some options may not be available in all sizes and/or models. Titan FCI reserves the right to make design and specification changes to improve the products without prior notification.

For exact product specifications, please consult the Titan FCI factory and request certified engineering drawings.