

FABRICATED TEE STRAINERS

2" - 30" | ASME CLASS 300



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

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.

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

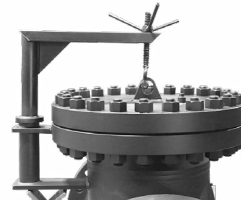


- Gauge Taps
- Vent - (Standard)
- Drains
- Back Flush Valves
- Semi-Automatic
- Pressure Gauges
- DP Gauge Switch

CUSTOM COVER SOLUTIONS INCLUDING DAVITS & HINGED COVER



HINGED



DAVIT



BOLTED



ASME CLASSES

ASME Class 150
up to high pressure
900 class



STRAINING ELEMENTS

Customize to fit your requirements

Heavy Duty Baskets,
Wedge Wire, & Multi
Basket Designs



END CONNECTIONS

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



PREFABRICATED PIPE & SPOOL OPTIONS

Created To Your Exact Specifications



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"

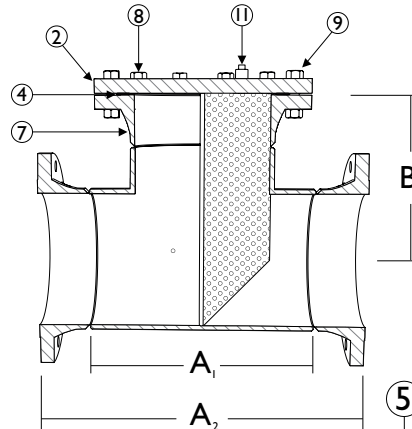
FT 30 Series
Tee Strainer

ASME Class
300

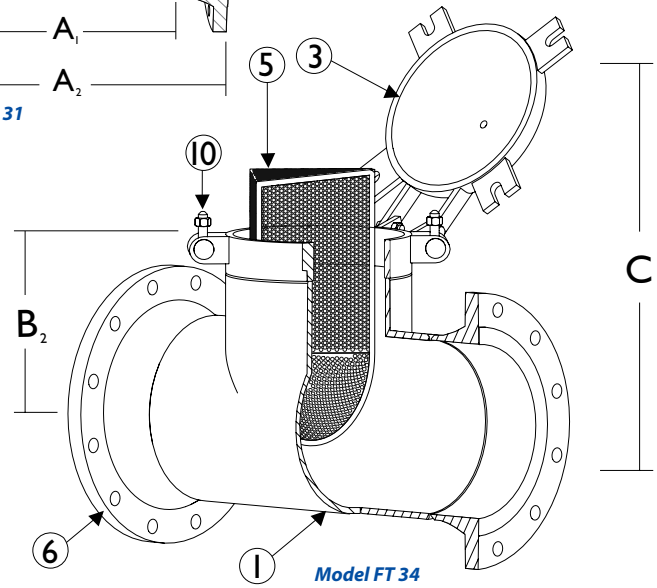
BILL OF MATERIALS⁽¹⁾
FT 30 Series

| 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 |

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



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.

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

DIMENSIONS AND WEIGHTS⁽¹⁾

| | in | 2 | 2 1/2 | 3 | 4 | 5 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 24 | 30 |
|--|----|-------|-------|-------|--------|-------|--------|--------|--------|--------|---------|---------|---------|---------|---------|-----|
| (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. 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.
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.

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.