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.

**CUSTOM COVER SOLUTIONS INCLUDING DAVITS & HINGED COVER**

**MODEL**

**FT 40 Series - 600 Class**

**MATERIALS:**

- Carbon Steel • Stainless Steel
- Other Alloys

**OPTIONS**

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

**ansi CLASSES**

ANSI Class 150 up to high pressure 900 class

**End Connections**

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

**Temperature Control**

Steam Jacket casing for set temperature control

**Straining Elements**

Customize to fit your requirements

- Heavy Duty Baskets

**Sanitary**

Sanitary Application Designs for food/pharmaceutical processing

**Unique Projects**

Rotated and Offset Nozzles to fit into your applications

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

**BILL OF MATERIALS**

<table>
<thead>
<tr>
<th>Part</th>
<th>FT 40-45 CS</th>
<th>FT 40-45 SS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Body</td>
<td>Carbon Steel A234 Gr.WPB</td>
<td>Stainless Steel SA403</td>
</tr>
<tr>
<td>2. Cover</td>
<td>Carbon Steel A105</td>
<td>Stainless Steel SA182 Type 316</td>
</tr>
<tr>
<td>3. Cover Gasket/ O-Ring</td>
<td>Bolted: Spiral Wound Stainless Steel</td>
<td>Quick Open: Buna-N</td>
</tr>
<tr>
<td>4. Straining Element</td>
<td>T304 SS</td>
<td>T304 SS</td>
</tr>
<tr>
<td>5. Inlet/Outlet Flange</td>
<td>Carbon Steel A105</td>
<td>Stainless Steel SA182 Type 316</td>
</tr>
<tr>
<td>6. Weld Neck Flange</td>
<td>Carbon Steel A105</td>
<td>Stainless Steel SA182 Type 316</td>
</tr>
<tr>
<td>7. Bolts</td>
<td>Carbon Steel A193-B7</td>
<td>Stainless Steel A193 B8 M</td>
</tr>
<tr>
<td>8. Nuts</td>
<td>Carbon Steel A194 2H</td>
<td>Stainless Steel A194 Gr.B</td>
</tr>
<tr>
<td>9. Vent with Plug</td>
<td>Carbon Steel A105</td>
<td>Stainless Steel SA182 Type 316</td>
</tr>
</tbody>
</table>

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. 3/8” perf is standard for all mesh lined straining elements.
6. 1/2” NPT is standard

Tee Strainers are not recommended for suction applications.

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

**DIMENSIONS AND WEIGHTS**

<table>
<thead>
<tr>
<th>(A,) Face to Face</th>
<th>(B,) Ctr-Line to Top</th>
<th>C Dimension Screen Removal</th>
<th>Approx. Weight: FT 40</th>
<th>Approx. Weight: FT 41</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FT 40, FT 43 - Butt-Weld</strong></td>
<td><strong>FT 41, FT 44 - Flanged</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>in</strong></td>
<td>2</td>
<td>2 1/2</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td><strong>mm</strong></td>
<td>50</td>
<td>65</td>
<td>80</td>
<td>100</td>
</tr>
<tr>
<td><strong>in</strong></td>
<td>5.00</td>
<td>6.00</td>
<td>6.75</td>
<td>8.25</td>
</tr>
<tr>
<td><strong>mm</strong></td>
<td>127</td>
<td>152</td>
<td>172</td>
<td>210</td>
</tr>
<tr>
<td><strong>in</strong></td>
<td>11.50</td>
<td>13.00</td>
<td>14.00</td>
<td>17.00</td>
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<tr>
<td><strong>mm</strong></td>
<td>292</td>
<td>330</td>
<td>356</td>
<td>432</td>
</tr>
<tr>
<td><strong>in</strong></td>
<td>5.75</td>
<td>6.50</td>
<td>7.00</td>
<td>8.50</td>
</tr>
<tr>
<td><strong>mm</strong></td>
<td>146</td>
<td>165</td>
<td>178</td>
<td>216</td>
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<tr>
<td><strong>in</strong></td>
<td>12.70</td>
<td>14.44</td>
<td>15.75</td>
<td>19.25</td>
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<tr>
<td><strong>mm</strong></td>
<td>322</td>
<td>367</td>
<td>400</td>
<td>489</td>
</tr>
<tr>
<td><strong>lb</strong></td>
<td>31.88</td>
<td>62.50</td>
<td>118.75</td>
<td>288.75</td>
</tr>
<tr>
<td><strong>kg</strong></td>
<td>14.50</td>
<td>28.35</td>
<td>55.86</td>
<td>131.00</td>
</tr>
<tr>
<td><strong>lb</strong></td>
<td>61.88</td>
<td>120.00</td>
<td>233.75</td>
<td>491.25</td>
</tr>
<tr>
<td><strong>kg</strong></td>
<td>28.10</td>
<td>54.43</td>
<td>101.50</td>
<td>131.00</td>
</tr>
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</table>

1. Dimensions and weights of the FT 40 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.

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.