Dual Flanged Tee
Flange Holds Valve in Place for Easy Tee Replacement

LOW PROFILE
Design

REDUCES
Repair Time

ultraflo
Responding to the needs of the transportation industry, Ultraflo proudly introduces our unique Dual Flanged Hopper Tee. Ultraflo’s Dual Flanged Tee design reduces repair time and prevents load contamination, while providing increased ground clearance. These units are designed for a wide range of applications including standard bulk, abrasive & Food Grade media. The low-profile units reduce standard mounting dimensions, please consult factory.

**Unique Mounting of Tee & Valve to Hopper** The tee and valve are independently mounted to the hopper. In the event of damage to the tee, the Dual Flanged design allows removal of the tee while the valve remains in place, reducing repair time. One set of bolts mounts the valve and loose flange to the hopper flange, another set mounts the tee. Since ground contact usually occurs when fully loaded, the retained butterfly valve prevents expensive contamination of the load media by maintaining the seal. Ultraflo’s resilient seated Butterfly Valves are available in single and split body styles in all materials required for pneumatic tank trailer applications. Any industry standard butterfly valve can be used with the Dual Flanged Tee.

**Low Profile** For optimum ground clearance, the Dual Flanged Tee is engineered with the lowest profile possible without valve components obstructing media flow in the unload line. The simple flow-through design delivers high unloading rates with reduced flow turbulence. Smooth, weld free flow paths provide ideal off loading.

**Lightweight / Rugged** Made of cast A356-T6 aluminum for excellent durability and reduced weight. Straight and Bottom Drop Tees are available. Grooved ends are standard. Sealing surfaces are precision machined to provide a positive, leak free seal. The Bottom Drop door is held captive on one side to prevent loss, the other side swings down and away for easy operation. Urethane lined Tees are available as an option for highly abrasive media, such as flyash and carbon black.

### Dimensions Straight Tee

<table>
<thead>
<tr>
<th>Size</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>Bolt Circle</th>
<th># Holes (Tee)</th>
<th># Holes (Flange)</th>
<th>Hole Dia.</th>
</tr>
</thead>
<tbody>
<tr>
<td>5” x 4”</td>
<td>13.75</td>
<td>5.375</td>
<td>4.50</td>
<td>5.00</td>
<td>3.125</td>
<td>7.875</td>
<td>4</td>
<td>6</td>
<td>0.563</td>
</tr>
<tr>
<td>6” x 4”</td>
<td>13.75</td>
<td>5.375</td>
<td>4.50</td>
<td>6.00</td>
<td>3.125</td>
<td>9.00</td>
<td>4</td>
<td>8</td>
<td>0.563</td>
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</tbody>
</table>

### Dimensions Bottom Drop Tee

<table>
<thead>
<tr>
<th>Size</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>Bolt Circle</th>
<th># Holes (Tee)</th>
<th># Holes (Flange)</th>
<th>Hole Dia.</th>
</tr>
</thead>
<tbody>
<tr>
<td>5” x 4”</td>
<td>13.75</td>
<td>6.20</td>
<td>4.50</td>
<td>5.00</td>
<td>3.125</td>
<td>7.875</td>
<td>4</td>
<td>6</td>
<td>0.563</td>
</tr>
<tr>
<td>6” x 4”</td>
<td>13.75</td>
<td>6.20</td>
<td>4.50</td>
<td>6.00</td>
<td>3.125</td>
<td>9.00</td>
<td>4</td>
<td>8</td>
<td>0.563</td>
</tr>
</tbody>
</table>

Please refer to Ultraflo’s website periodically to ensure this brochure is the latest version.
Straight & Bottom Drop
Cast Aluminum / Cast Steel Construction
Ultraflo Corporation is proud to offer our standard Hopper Tee line in both Straight and Bottom Drop styles. Ultraflo's heavy duty, cast metal construction delivers high unloading rates and reduced flow turbulence. The Tees' simple flow-through design provides a long, trouble free service life. Sealing surfaces are machined for a positive, leak-free seal. All standard Hopper Tees are dimensionally interchangeable with industry standard units.

Designed for a wide range of applications including standard bulk and Food Grade media, these Hopper Tees meet the needs of today's transport industry. Cast aluminum or cast steel units are available. Tee ends are grooved as standard. Please consult the factory for optional end connections. Urethane Lined Tees are available as an option for highly abrasive media, such as flyash and carbon black.

Ultraflo's Transport Line includes a range of products designed specifically for the pneumatic tank trailer industry. Products include Standard Tees, Dual Flanged Tees, Couplers, Butterfly Valves, Manual Operators and Pneumatic Actuators.

**Straight Tee** The Ultraflo Straight Hopper Tee is our standard tee for typical transport service. The rugged and simple body construction is easy to install and maintain. Cast in one piece, the Straight Tee has no added parts – therefore leak paths, added part damage and replacement parts are eliminated. Standard Straight Tee sizes are 4" x 4", 5" x 4" and 6" x 4".

**Bottom Drop Tee** The Ultraflo Bottom Drop Hopper Tee offers the advantage of gravity unloading the tank media, as well as pneumatic conveyance. The bottom drop door is held captive on one side to prevent loss, the other side swings down and away for easy operation. Ultraflo has redesigned the 5" x 4" and 6" x 4" sizes to increase the ground clearance by approximately 1". All bottom drop doors have a Buna-N seal to prevent leakage between the door and Tee body. Heavy duty wing-nut style handles allow for easy swing-out removal of the bottom drop door. Standard Bottom Drop Tee sizes are 4" x 4", 5" x 4", 6" x 4" and 8" x 4"

### Straight Tee Dimensions

<table>
<thead>
<tr>
<th>Tee Size</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>Bolt Circle</th>
<th>No. Holes</th>
<th>Hole Dia.</th>
<th>Bolt Circle</th>
<th>No. Holes</th>
<th>Hole Dia.</th>
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</thead>
<tbody>
<tr>
<td>4&quot; x 4&quot;</td>
<td>13.875</td>
<td>6.00</td>
<td>4.50</td>
<td>4.00</td>
<td>3.75</td>
<td>7.00</td>
<td>6</td>
<td>0.563</td>
<td>5.875</td>
<td>8</td>
<td>0.563</td>
</tr>
<tr>
<td>5&quot; x 4&quot;</td>
<td>13.875</td>
<td>6.438</td>
<td>4.50</td>
<td>5.00</td>
<td>4.187</td>
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<td>7.563</td>
<td>6</td>
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<tr>
<td>CS 5&quot; x 4&quot;</td>
<td>13.875</td>
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<td>7.875</td>
<td>6</td>
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</tr>
<tr>
<td>6&quot; x 4&quot;</td>
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<td>7.00</td>
<td>4.50</td>
<td>6.00</td>
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<td>9.00</td>
<td>8</td>
<td>0.563</td>
<td>—</td>
<td>—</td>
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</table>

### Bottom Drop Tee Dimensions

<table>
<thead>
<tr>
<th>Tee Size</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>Bolt Circle</th>
<th>No. Holes</th>
<th>Hole Dia.</th>
<th>Bolt Circle</th>
<th>No. Holes</th>
<th>Hole Dia.</th>
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<tbody>
<tr>
<td>4&quot; x 4&quot;</td>
<td>13.875</td>
<td>8.25</td>
<td>4.50</td>
<td>4.00</td>
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<td>7.00</td>
<td>6</td>
<td>0.563</td>
<td>5.875</td>
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<td>0.438</td>
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<tr>
<td>5&quot; x 4&quot;</td>
<td>13.875</td>
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<td>4.50</td>
<td>5.00</td>
<td>4.187</td>
<td>7.875</td>
<td>6</td>
<td>0.563</td>
<td>7.563</td>
<td>6</td>
<td>0.563</td>
</tr>
<tr>
<td>CS 5&quot; x 4&quot;</td>
<td>13.875</td>
<td>7.25</td>
<td>4.50</td>
<td>5.00</td>
<td>3.937</td>
<td>7.875</td>
<td>6</td>
<td>0.563</td>
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</tr>
<tr>
<td>6&quot; x 4&quot;</td>
<td>13.875</td>
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<td>4.50</td>
<td>6.00</td>
<td>3.75</td>
<td>9.00</td>
<td>8</td>
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<tr>
<td>8&quot; x 4&quot;</td>
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</table>

**Note:** Cast Aluminum and Cast Steel units have the same dimensions except 5" x 4" Straight and Bottom Drop Tees which are shown above.

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Ultraflo Introduces a **NEW ULTRA TUFF TEE**

**TOUGH, ABRASION RESISTANT AND NOT BRITTLE!**

**Available in:**
- Ulraflo’s **NEW Plain by Universal**
  (accepts groove x groove clamps and cam lock clamps)
- **Plain by Plain** (no grooves to wear through)
- 5x4 Bottom Drop and Straight (6x4 coming soon)

**Features:**
- The Ultimate Combination of Strength, Toughness & Hardness. (Inferior materials are prone to Flange Breakage)
- Flange Holes Are Slotted Over Pipes to Accept Standard Bolts.
- Easy Safe Bottom Drop Operation.  
  Door swings out of the way but will not go past pipe. Eliminates going to back of trailer or crawling under pipe.
- No Door or Handles Hanging Down to Break Off or Interfere with Material Discharge.
- Special Abrasion Resistant Bottom Door Gaskets. (Will accept standard gaskets)
- Tuff Doors are out of the same hard and tough material. (Same Weight as Aluminum Doors)

**Bi directional - tees can be turned 180° to double life.**

Painted exterior with **PAINT FREE** interior to prevent product contamination