Retention Vessels

The ideal contact vessel for chemical treatment.

Structural Retention vessels are designed to provide optimal contact time for chemical treatment applications. Light-weight construction makes these seamless vessels easy to handle and install. Backed by an exclusive 5-year warranty, our Retention vessels are the perfect choice for both new and replacement installations.

Material of construction

- Inner shell material: Polyethylene
- Available connections: See chart

Operating parameters

- Maximum operating pressure: 75 psi
- Maximum operating temperature: 120°F

Retention Specifications

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Model</th>
<th>Size (Inches)</th>
<th>System Connections (PVC)</th>
<th>Height</th>
<th>Capacity</th>
<th>Cubic Feet</th>
</tr>
</thead>
<tbody>
<tr>
<td>31534</td>
<td>CT-30</td>
<td>16 x 40</td>
<td>1-1/4&quot; female NPT; 1-1/4&quot; male NPT</td>
<td>44.0 / 1112.0</td>
<td>30.0 / 113.5</td>
<td>4.0</td>
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<tr>
<td>31533</td>
<td>CT-40S</td>
<td>21 x 32</td>
<td>1-1/4&quot; female NPT; 1-1/4&quot; male NPT</td>
<td>35.0 / 889.0</td>
<td>40.0 / 151.2</td>
<td>5.3</td>
</tr>
<tr>
<td>30608</td>
<td>CT-40</td>
<td>16 x 53</td>
<td>1-1/4&quot; female NPT; 1-1/4&quot; male NPT</td>
<td>56.0 / 1422.0</td>
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<tr>
<td>30607</td>
<td>CT-80</td>
<td>24 x 50</td>
<td>1-1/4&quot; female NPT; 1-1/4&quot; male NPT</td>
<td>67.0 / 1702.0</td>
<td>80.0 / 302.4</td>
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<td>30607</td>
<td>CT-120</td>
<td>24 x 70</td>
<td>1-1/4&quot; female NPT; 1-1/4&quot; male NPT</td>
<td>73.0 / 1854.2</td>
<td>120.0 / 454.0</td>
<td>16.0</td>
</tr>
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Color Options: BL - Blue

Material properties:
- Seamless inner shell molded of FDA- and/or NSF-grade polyethylene provides impact and corrosion resistance.
- Miles of fiberglass filament covered with epoxy resin produce superior strength in a light-weight design.

Additional features:
- Convex bottom dome design maximizes contact time and facilitates sludge removal.
- 1-1/4" socket inlet/outlet PVC pipe connections offer maximum application flexibility.
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<tr>
<td></td>
<td></td>
<td>Nominal</td>
<td>Top</td>
<td>Bottom</td>
<td>Inches / mm</td>
<td>Gallons / Liters</td>
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<td>30557</td>
<td>CT-80</td>
<td>24 x 50</td>
<td>1-1/4“ female NPT</td>
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1-1/4" socket inlet/outlet PVC pipe connections offer maximum application flexibility.

1-1/4" FNPT opening

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Water

To Blowdown Valve

Water In

Chemical Tank

Pump

Additional drain port