FRP Vessels

residential and light commercial water treatment applications that require flexibility.

Improve your water treatment system with Structural FRP vessels. Easy to handle and install, FRP vessels are available in standard polyester or chemical-resistant vinylester construction depending on your needs.

Exclusive warranties apply as follows:
• 10 years on 6"-13" vessels used for softener/filtration applications
• 5 years on 14"-16" vessels used for softener/filtration applications
• 2 years for all vinylester vessels used for deionization applications

Material of construction
Material:
Polyester, Vinylester
Available Inlets:
See chart

Operating parameters
Maximum operating pressure:
150 psi
Maximum operating temperature:
120°F Polyester
150°F Vinylester

Design parameters - Pentair
Safety factor:
4:1 (Minimum burst at 600 psi)
Cycle test:
250,000 cycles without leakage

Design parameters - NSF
Safety factor:
4:1 (Minimum burst at 600 psi)
Cycle test:
100,000 cycles without leakage

Material of construction
Nominal Diameter
Inches mm
6 152
7 178
8 203
9 229
10 254
12 305
13 330
14 356
16 406
20 508
24 610

Top Btm Side
X Z Y1 and Y2 Y3 Y4

Color Options: BL - Blue, BK - Black, NA - Natural

Lenntech info@lenntech.com Tel. +31-152-610-900 www.lenntech.com Fax. +31-152-616-289
The ideal choice for residential and light commercial water treatment applications that require flexibility. Improve your water treatment system with Structural FRP vessels. Easy to handle and install, FRP vessels are available in standard polyester or chemical-resistant vinylster construction depending on your needs.

Exclusive warranties apply as follows:
- **30 years on 6"-12" vessels used for softener/filtration applications
- **5 years on 14"-36" vessels used for soften/filtration applications
- **2 years for all vinylster vessels used for desalination applications

### FRP Vessels

<table>
<thead>
<tr>
<th>Standard Vessel Openings</th>
<th>Nominal Diameter</th>
<th>Top</th>
<th>Bottom</th>
<th>Side</th>
<th>Dome</th>
</tr>
</thead>
<tbody>
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<td>Nominal Diameter</td>
<td>Inches</td>
<td>mm</td>
<td>X</td>
<td>Z</td>
<td>(Y_1) and (Y_2)</td>
</tr>
<tr>
<td>6</td>
<td>152</td>
<td>2 1/2&quot; – 8 NPSM</td>
<td>1&quot; or 2 1/2&quot;</td>
<td>3/4&quot;</td>
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</tr>
<tr>
<td>8</td>
<td>203</td>
<td>2 1/2&quot; – 8 NPSM</td>
<td>1&quot; or 2 1/2&quot;</td>
<td>3/4&quot; or 1&quot;</td>
<td>3/4&quot;</td>
</tr>
<tr>
<td>10</td>
<td>254</td>
<td>4&quot; – 8 UN</td>
<td>4&quot; or 6&quot;</td>
<td>1&quot;, 1 1/2&quot; or 2&quot;</td>
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<tr>
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<tr>
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<td>2&quot;</td>
<td>1 1/2&quot;</td>
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### Operating parameters

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<tr>
<td>Material:</td>
<td>Polyester, Vinylster</td>
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<tr>
<td>Available Holes:</td>
<td>See chart</td>
</tr>
<tr>
<td>Operating parameters</td>
<td>Maximum operating pressure: 150 psi</td>
</tr>
<tr>
<td>Maximum operating temperature: 120°F Polyester 150°F Vinylster</td>
<td></td>
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</tbody>
</table>

### Design parameters - Portable

| Safety factor: | 41 (Minimum burst at 600 psi) |
| Cycle test: | 250,000 cycles without leakage |

### Design parameters - NSF

| Safety factor: | 41 (Minimum burst at 600 psi) |
| Cycle test: | 100,000 cycles without leakage |

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Color Options: BL - Blue | BK - Black | NA - Natural

6" - 12" - 30 years from date of manufacture
14" - 18" - 5 years from date of manufacture

All FRP tanks are warranted to be free from defects in materials and workmanship for a period of 30 years from the date of manufacture (less abort if the vessel is operated within the prescribed pressures and temperatures ratings stated on the tank label.

Not covered by this warranty is damage resulting from freezing, external impact, chemical attack from liquid and gases, exposure to vacuum, natural disasters, or other applications of the product beyond residential water softeners and filters.