Chemiflex® Heavy Duty Polypropylene Chemical Hose

Type PGP951

Applications: This type is designed for use as a more robust chemical transfer service in heavy use truck and railcar loading, polypropylene coated steel wire and polypropylene inner liner for maximum chemical resistance.

Construction:
- Color/Cover: Gray with a blue stripe/PVC coated Nylon, Abrasion, UV and Ozone resistant
- Inner Wire: Black Polypropylene Coated Steel Wire
- Inner lining: High Density Polypropylene
- Carcass: Polypropylene fabrics, films
- Outer Wire: Galvanized Steel
- Additional Options: Special Color Coding and branding

Physical properties:
- Temperature Range: -22°F to +212°F (-30°C to +100°C)
- Maximum elongation: ≤10% on test pressure
- Vacuum range: 26 inHg (660 mmHg), 0.9 bar
- Electrical properties: Electrically Conductive
  - ≤2.5 ohm/m for sizes less than 2"
  - ≤1.0 ohm/m for size 2" and above

Standards: BS5842, NAHAD-600:2005

End Fittings:
Specially designed end fittings have been developed for use with United Flexible composite hoses that have a unique leak-proof sealing face and specially machined helical spiral shank which engages into the corresponding internal helix wire when secured into the hose by either crimping or swaging the external ferrules. See page 22 for more information about end connections.

### TECHNICAL DATA: TYPE PGP951

<table>
<thead>
<tr>
<th>Inside Diameter</th>
<th>Working Pressure</th>
<th>Min. Bend Radius</th>
<th>Approx Weight</th>
<th>Maximum Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inches</td>
<td>PSI Bar</td>
<td>Inches mm</td>
<td>lb/ft kg/m</td>
<td>Feet Meters</td>
</tr>
<tr>
<td>1</td>
<td>250 17</td>
<td>4 100</td>
<td>0.6 0.9</td>
<td>100 30</td>
</tr>
<tr>
<td>1¼</td>
<td>250 17</td>
<td>5 125</td>
<td>0.75 1.1</td>
<td>100 30</td>
</tr>
<tr>
<td>1½</td>
<td>250 17</td>
<td>5 125</td>
<td>1 1.5</td>
<td>100 30</td>
</tr>
<tr>
<td>2</td>
<td>250 17</td>
<td>6 150</td>
<td>1.5 2.2</td>
<td>100 30</td>
</tr>
<tr>
<td>2½</td>
<td>250 17</td>
<td>7 175</td>
<td>2.1 3.1</td>
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<tr>
<td>3</td>
<td>250 17</td>
<td>8 200</td>
<td>2.3 3.2</td>
<td>100 30</td>
</tr>
<tr>
<td>4</td>
<td>200 14</td>
<td>13 325</td>
<td>3 4.5</td>
<td>100 30</td>
</tr>
</tbody>
</table>

Pressure based on safety factor 4:1
Dimensions and weight are approximate and are subject to change
For additional technical data such as pressure drop, max. flow rates and tensile strength, please consult United Flexible engineering
Increased operating temperatures will reduce working pressure of the assemblies
Fitting pressure rating may limit working pressure of the assembly
Rated working pressure is @ 70°F (21°C)