Chemiflex® Heavy Duty Polypropylene Chemical Hose
Type SGP951 and SSP951

Applications:
This type is designed for use as a tank truck, railcar, and in plant transfer hose suitable for use with a wide variety of chemicals with a T316 stainless steel inner wire is standard.

Construction:
- Color/Cover: Gray blue stripe/PVC coated Nylon, Abrasion, Ozone resistant
- Inner Wire: 316SS Stainless Steel Wire
- Inner lining: High Density Polypropylene
- Carcass: Polypropylene fabrics, films
- Outer Wire: SGP951 Galvanized Steel
- SSP951 316SS Stainless Steel
- Extra: 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 SGP951 AND SSP951

<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>
<td>100/30</td>
</tr>
<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)