Heavy Duty Polypropylene Composite Hose
Type 4091SGP and 4094SSP

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 maximum resistant T316 Stainless Steel inner wire is required.

Construction:
- Color/Cover: 4091SGP Royal Blue white stripe/PVC coated Nylon, Abrasion, Ozone resistant
- 4094SSP Royal Blue yellow stripe/PVC coated Nylon, Abrasion, Ozone resistant
- Inner Wire: T316 Stainless Steel Wire
- Inner lining: High Grade Polypropylene
- Carcass: Polypropylene fabrics, films and seamless tubes
- Outer Wire: 4091SGP Galvanized Steel
- 4094SSP T304 or T316 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: EN13765:2010, IMO, IBC, BS5842, NAHAD-600:2005

End Fittings:
Specially designed end fittings have been developed for use with Willcox 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 28 for more information about end connections.

<table>
<thead>
<tr>
<th>TECHNICAL DATA: TYPE 4091SGP AND 4094SSP</th>
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<tbody>
<tr>
<td>Inside Diameter</td>
</tr>
<tr>
<td>Inches</td>
</tr>
<tr>
<td>1</td>
</tr>
<tr>
<td>1 1/2</td>
</tr>
<tr>
<td>2</td>
</tr>
<tr>
<td>3</td>
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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)