MarineMaster® Polypropylene
Vapor Composite Hose Type 4321SGP and 4324SSP

Applications:
This type is designed for use as a marine vapor recovery hose for use with a wide variety of chemicals with chemically resistant T316 stainless steel inner wire.

Construction:
Color/Cover: 4321SGP Yellow white stripe/2x PVC coated Nylon, Abrasion and Ozone resistant
4324SSP Yellow blue stripe/2x PVC coated Nylon, Abrasion, and Ozone resistant
Inner Wire: T316 Stainless Steel
Inner lining: High Grade Polypropylene
Carcass: Polypropylene fabrics, films and Polypropylene/nylon seamless tubes
Outer Wire: 4321SGP Galvanized Steel
4324SSP T316 Stainless Steel
USCG Markings: Red/Yellow/Red ID Color each end, 2” VAPOR logo and .625 pilot holes

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
≤1.0 ohm/m for size 2”

Standards:
EN13765:2010, IMO, IBC, BS5842, USCG 33CFR 154.800 Vapor Line

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.

### TECHNICAL DATA: TYPE 4321SGP AND 4324SSP

<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</td>
<td>Bar</td>
<td>Inches</td>
<td>mm</td>
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<tr>
<td>4</td>
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<td>560</td>
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<tr>
<td>10</td>
<td>250</td>
<td>7</td>
<td>30</td>
<td>760</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 or reduce the rated working pressure of the assembly
Rated working pressure is @ 70°F (21°C)