

WILLCOX HOSE

1091GGP



Petromaster™

Polypropylene Composite Hose Type 1091GGP

- Applications:** This type is designed for use as a rigorous transfer hose ideal for lube plants, railcar and in plant applications.
- Construction:**
- Color/Cover: Black/PVC coated Nylon, Abrasion, UV and Ozone resistant
 - Inner Wire: Galvanized Steel
 - Inner lining: High Grade Polypropylene
 - Carcass: Polypropylene fabrics, films and seamless tubes
 - Outer Wire: Galvanized 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.

TECHNICAL DATA: TYPE 1091GGP

| Inside Diameter | | Working Pressure | | Min. Bend Radius | | Approx Weight | | Maximum Length | |
|-----------------|-----|------------------|-------------|------------------|-----|---------------|------|----------------|--------|
| Inches | mm | PSI | Bar | Inches | mm | lb/ft | kg/m | Feet | Meters |
| 1 | 25 | 250 | 17.5 | 5.0 | 125 | 0.9 | 1.3 | 100 | 30 |
| 1½ | 40 | 250 | 17.5 | 6.0 | 150 | 1.1 | 1.6 | 100 | 30 |
| 2 | 50 | 250 | 17.5 | 6.0 | 150 | 1.4 | 2.1 | 100 | 30 |
| 3 | 80 | 250 | 17.5 | 9.0 | 225 | 2.1 | 3.1 | 100 | 30 |
| 4 | 100 | 250 | 17.5 | 11.0 | 275 | 2.5 | 3.8 | 100 | 30 |

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)