



MarineMaster® Polypropylene

Composite Hose Type 4161SGP and 4164SSP

Applications: This type is designed for use as bulk chemical transfer hose from barges and ships, suitable for use with a wide variety of chemicals with maximum resistant polypropylene coated inner wire is required.

Construction:

- Color/Cover: 4161SGP Blue white stripe/2x PVC coated Nylon, Abrasion and Ozone resistant
4164SSP Blue yellow stripe/2xPVC 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: 4161SGP Galvanized Steel
4164SSP T316 Stainless Steel
- Logo: MarineMaster®

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 154.500

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 4161SGP AND 4164SSP									
Inside Diameter		Working Pressure		Min. Bend Radius		Approx Weight		Maximum Length	
Inches	mm	PSI	Bar	Inches	mm	lb/ft	kg/m	Feet	Meters
4	100	250	17	16	400	4.4	6.5	100	30
6	150	250	17	20	500	7	10.5	100	30
8	200	250	17	29	740	12	18	100	30
10	250	200	14	36	920	15	23	40	12

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)