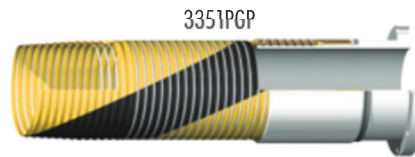


1321GGP



3351PGP

MarineMaster® Polypropylene

Vapor Composite Hose Type 1321GGP and 3351PGP

Applications: This type is designed for use as a marine ship-to-shore or vessel-to-vessel vapor recovery hose suitable for large variety of hydrocarbon or chemical vapors.

of petrochemical vapors. And durable to withstand the rigorous handling on a marine or vessel.

Construction:

- Color/Cover: 1321GGP Yellow/2x PVC coated Nylon, Abrasion and Ozone resistant
3351PGP Yellow black stripe/2xPVC coated Nylon, Abrasion, and Ozone resistant
- Inner Wire: 1321GGP Galvanized Steel
3351PGP Black Polypropylene coated steel
- Inner lining: High Grade Polypropylene
- Carcass: Polypropylene fabrics, films and Polypropylene/nylon seamless tubes
- Outer Wire: Galvanized 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 1321GGP AND 3351PGP									
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	100	7	11	275	2.55	3.8	100	30
6	150	100	7	16	410	3.6	5.3	100	30
8	200	100	7	22	560	8.05	11.9	100	30
10	250	100	7	30	760	10.35	15.3	50	15

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)