



Vapor Recovery

Polypropylene Composite Hose Type 1321GGP and 3321PGP

Applications:	This type is designed for use as a vapor recovery hose in hydrocarbon and chemical applications.		
Construction:	Color/Cover:	1321GGP Yellow/PVC coated Nylon, Abrasion, UV and Ozone resistant	3321PGP Yellow black stripe/PVC coated Nylon, Abrasion and Ozone resistant
	Inner Wire:	1321GGP Galvanized Steel	3321PGP Black Polypropylene coated steel
	Inner lining:	High Grade Polypropylene	
	Carcass:	Polypropylene fabrics, films and seamless tubes	
	Outer Wire:	Galvanized Steel	
	Logo:	VAPOR	
Physical properties:	Temperature Range:	-22°F to +180°F (-30°C to +80°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, Type 2, USCG, 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 1321GGP AND 3321PGP

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	100	7	4	100	0.65	1.00	100	30
1½	40	100	7	5.0	125	0.85	1.25	100	30
2	50	100	7	5.0	125	1.20	1.80	100	30
3	80	100	7	6.00	150	1.5	2.2	100	30
4	100	100	7	9.0	225	1.8	2.7	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 working pressure of the assembly

Rated working pressure is @ 70°F (21°C)