Chemiflex® Vapor Recovery Polypropylene Hose

Type GGV, PGV, SGV 944

Applications: This type is designed for use at tank truck, rail car and marine terminals in ship-to-shore applications for vapor recovery of oils and chemicals. Widely used for it's high flexibility and robustness, this hose sets the standard.

Construction:

Color/Cover:	GGV Yellow/PVC coated Nylon, Abrasion, UV and Ozone resistant PGV Yellow black stripe/PVC coated Nylon, Abrasion and Ozone resistant SGV Yellow black and red stripe/PVC coated Nylon, Abrasion and Ozone resistant
Inner Wire:	GGV Galvanized Steel PGV Black Polypropylene coated steel SGV T316 Stainless Steel
Inner lining:	High Density Polypropylene
Carcass:	Polypropylene fabrics, films
Outer Wire:	Galvanized Steel

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, 33CFR Section 154.810, BS5842, NAHAD-600:2005

End Fittings: Specially designed end fittings have been developed for use with United Flexible 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 22 for more information about end connections.

TECHNICAL DATA: TYPE GGV, PGV, SGV 944

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	125	1	1.50	100	30
2	50	**100**	**7**	6	150	1.20	1.80	100	30
3	80	**100**	**7**	8	200	1.80	2.70	100	30
4	100	**100**	**7**	11	280	2.55	3.8	100	30
6	150	**100**	**7**	16	410	3.6	5.3	100	30
8	200	**100**	**7**	22	560	8.08	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 working pressure of the assembly
Rated working pressure is @ 70°F (21°C)