



Chemiflex® Heavy Duty Polypropylene Chemical Hose

Type PSP951

Applications: This type is designed for use as a transfer hose for corrosive acids and aggressive chemicals for tank trucks, railcar and plant transfer hose where a stainless steel outer wire is standard.

Construction:

- Color/Cover: Gray with a blue and white stripe/PVC coated Nylon, Abrasion, UV and Ozone resistant
- Inner Wire: Black Polypropylene Coated Steel Wire
- Inner lining: High Density Polypropylene
- Carcass: Polypropylene fabrics, films
- Outer Wire: Stainless Steel T304 or T316
- Additional Options: 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: 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 PSP951

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	4	100	0.6	0.9	100	30
1¼	32	250	17	5	125	0.75	1.1	100	30
1½	40	250	17	5	125	1	1.5	100	30
2	50	250	17	6	150	1.5	2.2	100	30
2½	65	250	17	7	175	2.1	3.1	100	30
3	80	250	17	8	200	2.3	3.2	100	30
4	100	200	14	13	325	3	4.5	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)