



**Chemiflex® Heavy Duty Polypropylene Chemical Hose
Type SGP951 and SSP951**

Applications: This type is designed for use as a tank truck, railcar, and in plant transfer hose suitable for use with a wide variety of chemicals with a wide variety of chemicals with a T316 stainless steel inner wire is standard.

Construction:

Color/Cover:	Gray blue stripe/PVC coated Nylon, Abrasion, Ozone resistant
Inner Wire:	316SS Stainless Steel Wire
Inner lining:	High Density Polypropylene
Carcass:	Polypropylene fabrics, films
Outer Wire:	SGP951 Galvanized Steel SSP951 316SS Stainless Steel
Extra:	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 SGP951 AND SSP951									
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)