



CHEMICAL HOSES

CODE 951: CHEMIFLEX® PG, PS, SG, SS, PP

A chemical utility hose for chemical plants, refineries, paint producers, paper mills and many other in-plant, liquid transfer operations as well as rail car loading and tank truck delivery, for robust operations.

Typical applications: Chemical plants, refineries, paint producers, paper mills, in-plant, rail car loading and tank truck delivery.

Conveyants handled: Highly corrosive acids and alkalis, aldehydes, amines, aliphatics, aromatic fuels, chlorinated hydrocarbons, alcohols, esters, ketones, lacquers and petroleum products at rated discharge pressure or at full suction. Not recommended for service for many bromide, chloride or fluoride compounds. Refer to the Chemical Compatibility Chart for specific recommendations.

Features:

- Light weight – easy to handle
- Flexible – even at low temperatures
- Polypropylene liner with a heavy duty polypropylene carcass – for maximum chemical resistance and robustness
- Abrasion-resistant PVC-coated fabric outer cover – maximum durability and safety
- Double end-to-end electrical continuity – prevents static electricity build-up and internal arcing
- Choice of galvanized, Stainless Steel or polypropylene coated outer wire – for maximum durability depending on external environment
- Rated for full vacuum

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|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| Inner Wire | • Polypropylene Coated Steel (T316 Stainless Steel available) (see Chemical Compatibility Chart for specific recommendations) |
| Outer Wire | • Galvanized Steel (T316 Stainless Steel or polypropylene coated) |
| Carcass | • All polypropylene fabrics and films barrier layers |
| Cover | • Abrasion-resistant PVC-coated fabric |
| Temperature Range | • -22°F(-30°C) to +212°F(+100°C) (refer to Chemical Compatibility Chart) |
| Color | • Gray with blue stripe |
| Couplings | • Externally swaged/crimped: NPT threaded; fixed, floating, reducing flanges; cam-and groove quick-disconnect couplings, female lugs supplied per order |

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ID in (mm)	OD in (mm)	MAX WP* psi (bar)	MIN Bend Radius in (mm)	WEIGHT lb/ft (kg/m)	MAX LEN ft (m)
1 (25)	1½ (38)	250 (17.5)	4 (100)	0.6 (0.9)	60 (18)
1¼ (32)	1¾ (42)	250 (17.5)	5 (125)	0.75 (1.1)	60 (18)
1½ (38)	2 (50)	250 (17.5)	5 (125)	1.0 (1.5)	60 (18)
2 (50)	2½ (65)	250 (17.5)	6 (150)	1.5 (2.2)	75 (23)
2½ (65)	3 (75)	250 (17.5)	7 (175)	2.1 (3.1)	60 (18)
3 (75)	3½ (88)	250 (17.5)	8 (200)	2.3 (3.2)	60 (18)
4 (100)	4½ (115)	200 (14.0)	13 (325)	3.0 (4.5)	60 (18)

*4:1 safety factor