



CHEMICAL HOSES

CODE 976/000: SPECIAL CHEMIFLEX® SG

CODE 976/001: SPECIAL CHEMIFLEX® SS

SPECIAL CHEMIFLEX® hose is recommended in chemical production and transportation applications for chemicals that are not compatible with polypropylene materials.

Typical applications: Chemical plants and refineries, chemical haulers.

Conveyants handled: Conveyants handled: Very aggressive or corrosive chemicals where a PTFE liner is mandatory. Chemicals include: butyl chloride, chlorosulphonic acid, oleum and pentachlorethane at rated discharge pressure or at full suction. Refer to the Chemical Compatibility Chart for specific recommendations.

Features:

- Light weight – easy to handle
- Flexible – even at low temperatures
- PTFE films – maximum resistance to aggressive chemicals
- Abrasion-resistant PVC-impregnated fabric outer cover – greater durability and safety
- Double end-to-end electrical continuity – prevents static electricity build-up and internal arcing
- Choice of galvanized or Stainless Steel outer wire – for maximum durability depending on external environment
- Rated for full vacuum

Bore Liner

- Special PTFE and PFA films

Inner Wire

- T316 Stainless Steel (see Chemical Compatibility Chart for specific recommendations)

Outer Wire

- Galvanized Steel (T316 Stainless Steel available)

Carcass

- All polypropylene fabrics and films

Cover

- Abrasion-resistant PVC-impregnated fabric

Temperature Range

- -22°F(-30°C) to +212°F(+100°C) (refer to Chemical Compatibility Chart)

Color

- Red with blue stripe

Couplings

- Externally swaged/crimped: NPT threaded; fixed, floating, reducing flanges; cam-and-groove quick-disconnect couplings, female lugs supplied per order

CODE 976 - SPECIAL CHEMIFLEX® SG, SS:

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)
1½ (38)	2 (50)	250 (17.5)	6 (150)	1.0 (1.5)	60 (18)
2 (25)	2½ (65)	250 (17.5)	7 (175)	1.4 (2.1)	75 (23)
3 (75)	3½ (88)	250 (17.5)	11 (275)	2.4 (3.6)	60 (18)
4 (100)	4½ (115)	200 (14)	14 (350)	3.0 (4.5)	60 (18)

*4:1 safety factor