



TIFT-Compoflex Composite Hose Products

MARINE HOSES (CHEMICAL HOSES)

Code 977: HEAVY DUTY SPECIAL CHEMIFLEX SG, SS

HEAVY DUTY SPECIAL CHEMIFLEX hoses meet the demands of transferring corrosives where the high chemical resistance of Teflon-FEP liners is required.

Typical applications: Ship-to-shore service at marine terminals.

Compliance: All assemblies are manufactured, tested and marked in compliance with US Coast Guard regulations.

Conveyants handled: Very aggressive or corrosive chemicals where a Teflon-FEP 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:

- FEP lined – handles super-aggressive chemicals
- Flexible – even at low temperatures
- All polypropylene and polyester carcass – maximum chemical resistance
- Abrasion-resistant PVC-impregnated fabric outer cover – greater durability and safety
- Designed, for type approval, to a burst pressure 5 times rated working pressure throughout working temperature range
- Double end-to-end electrical continuity – prevents static electricity build-up and internal arcing
- Galvanized or Stainless Steel outer wire – for maximum durability depending on external environment

**Bore Liner
Inner Wire**

- Heavy duty Teflon-FEP films and Fluorocarbon bore fabric
- 316 Stainless Steel (see Chemical Compatibility Chart for specific recommendations)

**Outer Wire
Carcass
Cover**

- Galvanized Steel (316 Stainless Steel available)
- All polypropylene fabrics, films and polyester barrier layers
- Abrasion-resistant PVC-impregnated fabric
- -22°F(-30°C) to +212°F(+100°C) (refer to Chemical Compatibility Chart)

**Temperature Range
Color
Couplings**

- Brown
- Externally swaged nipples; fixed, floating or reducing flanges and cam-and-groove couplers

CODE 977 – HEAVY DUTY SPECIAL CHEMIFLEX :

ID in(mm)	OD in(mm)	MAX WP * psi(bar)	MAX WP ** psi(bar)	MIN Bend Radius in(mm)	WEIGHT lb/ft (kg/m)	MAX LEN ft(m)
4 (100)	5 (125)	200 (14)	160 (11.2)	16 (400)	5.3 (8.0)	60 (18)
6 (150)	7 (175)	200 (14)	160 (11.2)	20 (500)	7.3 (11.0)	60 (18)

* 4:1 safety factor
** 5:1 safety factor