

TIFT-Compoflex Composite Hose Products

CHEMICAL HOSES

Code 951: CHEMIFLEX PG, PS, SG, SS

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.

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 polypropylene and polyester carcass – for maximum chemical resistance
- 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 or Stainless Steel outer wire – for maximum durability depending on external environment

Inner Wire

- Polypropylene-coated steel (316 Stainless Steel available)
(see Chemical Compatibility Chart for specific recommendations)

Outer Wire

- Galvanized Steel (316 Stainless Steel available)

Carcass

- All polypropylene fabrics, films and polyester 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: 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)	60 (18)
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