

TIFT-Compoflex Composite Hose Products

MARINE HOSES (CHEMICAL HOSES)

Code 998: HEAVY DUTY CHEMIFLEX PG, PS

Code 969: HEAVY DUTY CHEMIFLEX SG, SS

HEAVY DUTY CHEMIFLEX hoses are ideal for marine service handling a wide range of aggressive chemicals.

Typical applications: Ideal hose for loading and unloading barges, tankers, bunkering service and other dockside operations at marine terminals. Spiral-wound inner and outer wires provide strength and flexibility to maintain hose integrity under stress and strain of ship and barge movement.

Compliance: Factory fitted assemblies may be ordered with full third party certification of compliance with IMO Section 1.21. All assemblies are manufactured, tested and marked in compliance with US Coast Guard regulations. IMO type approval for working temperatures $-4^{\circ}\text{F}(-20^{\circ}\text{C})$ to $+140^{\circ}\text{F}(+60^{\circ}\text{C})$ and pressure to 150 psi (10.5 bar)

Conveyants handled: Highly corrosive acids and alkalis, aldehydes, amines, alephatics, 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:

- Maximum chemical resistance – for safe handling of aggressive chemicals in dockside operations
- Retains Flexibility – even at very low temperatures
- Abrasion resistant – tough PVC-impregnated fabric cover resists dragging wear and abrasion
- Safe and dependable – tested to industry standard $1\frac{1}{2}$ times rated working pressure
- Choice of galvanized or Stainless Steel outer wire – for maximum durability depending on external environment
- 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

Inner Wire

Outer Wire

Carcass

Cover

Temperature Range

Color

Couplings

- Polypropylene-coated steel or 316 Stainless Steel
- Galvanized Steel or 316 Stainless Steel
- Multiple layers of heavy duty polypropylene fabric, film and polyester barrier layer
- Abrasion-resistant PVC-impregnated fabric
- $-22^{\circ}\text{F}(-30^{\circ}\text{C})$ to $+212^{\circ}\text{F}(+100^{\circ}\text{C})$ (refer to Chemical Compatibility Chart)
- Gray (PG, PS) or Light Green (SG, SS)
- Externally swaged nipples; fixed, floating or reducing flanges and cam-and-groove couplers

Code 998 – HEAVY DUTY CHEMIFLEX PG, PS:

Code 969 – HEAVY DUTY CHEMIFLEX SG, SS:

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)
3 (75)	4 (100)	200 (14)	150 (10.5)	11 (275)	3.0 (4.5)	60 (18)
4 (100)	5 (125)	250 (17.5)	200 (14)	16 (400)	5.3 (8.0)	60 (18)
6 (150)	7 (175)	250 (17.5)	200 (14)	20 (500)	7.3 (10.9)	60 (18)
8 (200)	9½ (238)	250 (17.5)	200 (14)	29 (725)	11.0 (16.5)	50 (15)
10 (250)	11½ (288)	200 (14)	150 (10.5)	36 (900)	14.0 (21)	40 (12)

* 4:1 safety factor

** 5:1 safety factor