

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: Typical applications: Ideal hose for loading and unloading barges, tankers, bunkering service and other dockside operations at marine terminals. High tensile strength 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°F(-20°C) to +140°F(+60°C) and pressure to 150 psi (10.5 bar).

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:

- 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 1½ times rated working pressure
- Choice of galvanized or Stainless Steel outer wire – for maximum durability depending on external environment
- Designed, for IMO type approval, to a burst pressure 5 times rated working pressure (150 psi/10.5 bar) throughout working temperature range (+140°F)
- Double end-to-end electrical continuity – prevents static electricity build-up and internal arcing
- Rated for full vacuum

Inner Wire	• High tensile strength Polypropylene Coated Steel or T316 Stainless Steel
Outer Wire	• High tensile strength Galvanized Steel or T316 Stainless Steel
Carcass	• Multiple layers of heavy duty polypropylene fabric, film and polyester barrier layers
Cover	• Abrasion-resistant PVC-impregnated fabric
Temperature Range	• -22°F(-30°C) to +212°F(+100°C) (refer to Chemical Compatibility Chart)
Color	• Gray (PG, PS) or light green (SG, SS)
Couplings	• Externally swaged nipples; fixed , floating or reducing flanges and cam-and-groove couplers

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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)	66 (20)
8 (200)	9½ (238)	250 (17.5)	200 (14)	29 (725)	11.0 (16.5)	55 (17)
10 (250)	11½ (288)	150 (10.5)	150 (10.5)	36 (900)	14.0 (21)	40 (12)

*4:1 safety factor

**5: 1 safety factor