



TIFT-Compoflex Composite Hose Products

MARINE HOSES (HYDROCARBON HOSES)

Code 944: CHEMIFLEX 25 MARINE VRH GG, PG, SG, SS and XX-F

CHEMIFLEX 25 MARINE VRH is specifically designed to meet the demands for light weight, flexibility and strength imposed on these hoses in the marine environment in vapor recovery operations.

Typical applications: Designed to meet USCG requirements for recovering certain chemical and volatile hydrocarbon vapors during ship and barge loading at bulk storage terminals, plants, refineries and other transfer operations in a marine environment.

Compliance: Meet or exceed the requirements of U.S. Coast Guard 33CFR, 154.810, paragraph (d), Vapor Line Connections.

Conveyants handled: Chemical and hydrocarbon vapors

Features:

- Light weight construction – extra durability for dockside vapor recovery operations, easy to handle
- Excellent resistance to kinking or crushing. Very flexible at low temperatures
- Polyester barrier layer – for resistance to 100% aromatics
- Abrasion resistant – stands up to dragging
- 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
- Specially marked – for ready identification

Inner Wire

- Galvanized Steel, 316 Stainless steel or polypropylene-coated steel available on request

Outer Wire

- Galvanized or 316 Stainless Steel

Carcass

- Polypropylene fabric and films with polyester barrier layer

Cover

- Abrasion-resistant PVC-impregnated fabric

Temperature Range

- -22°F(-30°C) to +140°F(+60°C) (refer to Chemical Compatibility Chart)

Color

- High-visibility yellow with required red, yellow, red bands – marked "VAPOR" at both ends of hose assembly to USCG regulations

Couplings

- Lightweight fixed or floating #150 drilled flanges with additional 5/8"(16mm) holes drilled in bolt circle to meet USCG regulations

Code 944 – CHEMIFLEX 25 VRH:

ID in(mm)	OD in(mm)	MAX WP * psi(bar)	MIN Bend Radius in(mm)	WEIGHT lb/ft (kg/m)	MAX LEN ft(m)
4 (100)	5 (125)	25 (1.8)	9 (225)	1.6 (2.4)	60 (18)
6 (150)	7 (175)	25 (1.8)	17 (425)	3.7 (5.0)	60 (18)
8 (200)	9½ (238)	25 (1.8)	27 (675)	5.3 (8.0)	50 (15)
10 (250)	11½(288)	25 (1.8)	33 (825)	8.0 (12.0)	40 (12)

*5:1 safety factor