



# 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