

TIFT-Compoflex Composite Hose Products



CRYOGENIC HOSES

Code 933: CRYOFLEX 200 SS

CRYOFLEX 200 is designed specifically for the transfer of fully refrigerated liquefied petroleum gasses and related conveyants to $-328^{\circ}\text{F}(-200^{\circ}\text{C})$.

Typical applications: Fully refrigerated liquefied petroleum gasses and related conveyants to $-328^{\circ}\text{F}(-200^{\circ}\text{C})$

Certification: Bore sizes 4"(100mm), 6"(150mm) and 8"(200mm) are certified as complying with paragraphs 5.7 of IMO Gas Carrier Code and 5.3 and 5.7 of IMO Chemical Carrier Code for working temperatures to $-155^{\circ}\text{F}(-104^{\circ}\text{C})$.

Conveyants handled: Compatible with a wide range of low temperature fluids including the following per IMO Gas Carrier Code, Chapter XIX: Butadiene, Butane, Butane/Propane mixture, Butylene, Diethylamine, Ethylamine, Ethyl Chloride, Methyl Acetylene/Propadiene, Methyl Bromide, Propane, Propadiene, Polypropylene, Refrigerant Gasses, Vinyl Chloride. Liquefied Natural Gas (LNG) and Liquid Nitrogen. Not suitable for conveying Ammonia. Suitable for Liquefied Natural Gas (LNG) at $-325^{\circ}\text{F}(-198^{\circ}\text{C})$ and Liquid Nitrogen at $-380^{\circ}\text{F}(-229^{\circ}\text{C})$ and Liquid Ethylene at $-220^{\circ}\text{F}(-105^{\circ}\text{C})$.

Features:

- Maximum compatibility – handles a wide range of low temperature and cryogenic conveyants
- Meet IMO Gas Carrier Code depending on construction (IMO type approval for working temperatures to $-155^{\circ}\text{F}(-104^{\circ}\text{C})$ and pressures to 150 psi (10.5 bar)
- Reliability – tested to industry standard 1½ times rated working pressures
- Durability – 316 Stainless Steel inner and outer wires for maximum chemical and wear resistance, inside and out
- Fatigue resistant – developed in association with leading oil and gas companies for maximum durability and safety
- Double end-to-end electrical continuity – prevents static electricity build-up and internal arcing

Inner Wire

- 316 Stainless Steel

Outer Wire

- 316 Stainless Steel

Carcass

- Multiple layers of Polyester fabrics and BOPP films

Cover

- Polyester fabric cover. Rope lagging for extra protection and insulation available.

Temperature Range

- to $-328^{\circ}\text{F}(-200^{\circ}\text{C})$ (refer to Chemical Compatibility Chart)

Color

- White

Couplings

- Specifically engineered, factory-fitted end connections to customer specification

Code 933 – CRYOFLEX 200:

ID in(mm)	MAX WP* psi(bar)	MIN Bend Radius in(mm)	WEIGHT lb/ft (kg/m)	END FITTING lb(kg)	MAX LEN ft(m)
1 (25)	150 (10.5)	6 (150)	.45 (.48)	–	60 (18)
1½ (38)	150 (10.5)	7 (175)	.8 (1.2)	–	60 (18)
2 (50)	150 (10.5)	8 (200)	1.3 (2.0)	–	60 (18)
3 (75)	150 (10.5)	10 (250)	2.2 (3.3)	–	60 (18)
4 (100)	150 (10.5)	20 (500)	5.0 (7.5)	26 (11.8)**	50 (15)
6 (150)	150 (10.5)	26 (650)	9.3 (13.9)	51 (23.1)**	45 (14)
8 (200)	150 (10.5)	36 (900)	12.5 (18.8)	71 (32.2)**	40 (12)
10 (250)	150 (10.5)	98 (2450)	15.1 (22.3)	121 (54.9)**	33 (10)

* 5:1 safety factor

** End Fitting weights quoted are for ASA 150 welded neck flanges.