



CRYOGENIC HOSES

CODE 940: CRYOFLEX® 50 SS

CRYOFLEX® 50 cryogenic hose is specially designed for the safe transfer of fully refrigerated liquefied petroleum gasses and related conveyants.

Typical applications: Liquefied petroleum gasses and related conveyants to -128°F(-88°C).

Certification: Bore sizes 4”(100mm), 6”(150mm) and 8”(200mm) are certified by UK Department of Transport Marine Directorate as complying with IMO Gas Carrier Code and USCG regulations 33 CFR Section 127.1102.

Conveyants handled: Compatible with a wide range of low temperature fluids including the following per IMO Gas Carrier Code, Chapter XIX: Acetaldehyde, Ammonia (anhydrous), Butadiene, Butane, Butane/Propane mixture, Butylene, Diethylamine, Ethylamine, Ethyl Chloride, Methyl Acetylene/Propadiene, Methyl Bromide, Propane, Polypropylene, Propadiene, Refrigerant Gasses, Vinyl Chloride.

Also suitable for Liquid Ethane to -128°F(-88°C), and liquid CO2.

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 -58°F(-50°C) and pressures to 150 psi (10.5 bar) and USCG regulations 33 CFR Section 127.1102
- Reliability – tested to industry standard 1½ times rated working pressures
- Durability – T316 Stainless Steel inner and outer wires for maximum chemical and wear resistance
- Fatigue resistant - developed in association with leading oil and gas companies for maximum durability, safety and performance
- Double end-to-end electrical continuity – prevents static electricity build-up and internal arcing

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| Inner Wire | • High tensile strength T316 Stainless Steel |
| Outer Wire | • High tensile strength T316 Stainless Steel |
| Carcass | • Multiple layers of Polyamide fabrics and films |
| Cover | • Nylon cover. Rope lagging for extra protection and insulation available. |
| Temperature Range | • to -128°F(-88°C) (refer to Chemical Compatibility Chart) |
| Color | • White with green stripe |
| Couplings | • Specifically engineered, factory-fitted end connections to customer specification |

CODE 940 - CRYOFLEX® 50:

ID in(mm)	MAXWP* psi (bar)	MIN Bend Radius in(mm)	WEIGHT lb/ft (kg/m)	END FITTING lb(kg)	MAX LEN ft(m)
1 (25)	350 (25)	6 (150)	0.6 (0.9)	–	60 (18)
1½ (38)	350 (25)	7 (175)	1.1 (1.6)	–	60 (18)
2 (50)	350 (25)	8 (200)	1.6 (2.4)	–	60 (18)
3 (75)	350 (25)	10 (250)	3.0 (4.5)	–	60 (18)
4 (100)	350 (25)	20 (500)	5.0 (7.5)	26 (11.8)**	60 (18)
6 (150)	350 (25)	26 (650)	9.3 (14.0)	51 (23.1)**	60 (18)
8 (200)	350 (25)	36 (900)	12.5 (18.8)	71 (32.2)**	50 (15)
10 (250)	200 (14)	98 (2450)	15.1 (22.3)	121 (54.9)**	40 (12)

*5: 1 safety factor

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