

TRANSCRYOGAS **RADCOFLEX**

Description

Composite hose made from polyester fabrics and films, reinforced with internal and external wires helixes. The fabric and films used in Cryogas have been selected due to their excellent resistance to low temperatures and their retention of flexibility.

Principal Applications

TRANSCRYOGAS is suitable for conveying a wide range of low temperature refrigerated conveyants including Liquefied Natural Gas (LNG), Liquid Nitrogen and Liquid Ethylene. To transport gases, it is standard practice to liquefy them either by refrigeration to low temperatures or by pressurisation.



Standards

Manufactured to the specifications where applicable to EN 13766 Class A Type 2 (for onshore use) an IMO IGC Code (for offshore use).

Temperature

Temperature range from -196°C to +45°C.

Hose may be further protected and insulated by adding an external polyester rope lagging.

Construction

Inner wire : SS 316L

Lining : Polyamide fabric and BOPP film

Outer cover : Polyamide fabric

Colour Code : White outer cover

Outer Wire : SS 316L

Physical Properties

Max. Elongation : 10% on proof pressure

Maximum Twist : 10° /mtr

Vacuum range : 0.9 bar

Electrical resistance : 2.5 Ohms/mtr < 2" Hose
1.0 Ohms/mtr > 2" Hose

Specification

Bore diameter		Bend radius		Max work. pressure		Weight / meter		Maximum length	
mm	inch	mm	inch	psi	bar	Lbs/Ft	kg/m	meter	feet
25	1	150	5.9	180	13	0.60	0.90	30	100
38	1.5	175	6.8	180	13	0.81	1.20	30	100
50	2	200	7.8	180	13	1.34	2.00	30	100
65	2.5	200	7.8	180	13	1.88	2.80	30	100
75	3	250	9.8	180	13	2.22	3.30	30	100
100	4	500	19.6	180	13	3.56	5.30	30	100
150	6	660	25.9	180	13	8.06	12.00	30	100
200	8	910	35.8	180	13	10.41	15.50	20	65

Minimum Burst Pressure: 4 times Working Pressure (safety factor 4:1)

NOTE: This information is for guidance only, dimensions and weights shown are approximate.

We reserve the right to alter or amend specifications as deemed necessary.

RADCOFLEX® reserves the right to change product specifications without notice.

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