



# Cryogenics

## Product Specifications

### CRYOFLEX™ SPECIFICATION

PRODUCT RANGE	Cryoflex™ -50	Cryoflex™ -200
Colour	White/Green	White
Code	0940	0933
<b>CONSTRUCTION</b>		
Inner and Outer Wires	Stainless Steel	
Wall Materials	Polymeric fabrics and films selected for resistance and strength	

Nominal Internal Diameter		Max Working Pressure		Min Bend Radius		Weight		Max Manufacturing Lengths	
mm	ins	bar	p.s.i.g	mm	ins	kg/m	lb/ft	m	ft
<b>CRYOFLEX™ - 50 (0940)</b>									
25	1	25	362	150	6	0.9	0.6	15	50
38	1½	25	362	175	7	1.6	1.1	15	50
50	2	25	362	200	8	2.4	1.6	15	50
75	3	25	362	250	10	4.5	3.0	15	50
100	4	21	300	500	20	7.5	5.0	15	50
150	6	21	300	660	25	13.8	9.3	14	45
200	8	15	215	910	36	18.7	12.5	12	40
<b>CRYOFLEX™ - 200 (0933)</b>									
25	1	10.5	150	150	6	0.7	0.5	15	50
38	1½	10.5	150	175	7	1.2	0.8	15	50
50	2	10.5	150	200	8	2.0	1.3	15	50
75	3	10.5	150	250	10	3.3	2.2	15	50
100	4	10.5	150	500	20	7.5	5.0	15	50
150	6	10.5	150	660	25	13.8	9.3	14	45
200	8	10.5	150	910	36	18.7	12.5	12	40
250	10	10.5	150	2500	98	22.5	15.1	10	33

### Construction

Cryoflex™ 50 is manufactured from multi layers of polyamide fabric and film whilst Cryoflex™ 200 utilises polyester fabric and BOPP film. Both may be further insulated by an additional rope lagging.

Cryoflex™ 50 and 200 hoses have stainless steel inner and outer wire achieving dual wire electrical continuity by bonding to the end fittings thus safely dissipating static electrical charges.

Cryoflex™ hoses provide a high degree of safety with hose material having complete product compatibility to allow LPG and LNG to be handled safely.

### Working Pressures

Working pressures across the range are based on a minimum safety factor of 5:1.

### Hose Lengths

Cryoflex™ hoses are supplied in lengths up to 15 metres depending on diameter. All assemblies have factory-fitted end connections.

### Standards

Cryoflex™ assemblies in bore sizes 4", 6" and 8" are certified by the UK Marine Safety Agency as complying with paragraphs 5.4 and 5.7 of the IMO Gas Carrier Code. Cryoflex™ assemblies are manufactured in accordance to EN13765-2003

