

CRYOGENIC HOSE

Danchem PA LPG/Ammonia Hose

APPLICATIONS

These hoses are in use by leading companies throughout the world for ship to shore transfer, ship to ship, road tanker, rail tanker and in plant applications requiring low temperature flexibility, strength and of course the safety and reliability expected of Dantec's products.

This range of high quality composite hoses has multiple layers of polymers with excellent resistance to the low temperatures required for transfer of liquid gases such as Liquefied Petroleum Gas (LPG), liquid carbon dioxide, ammonia or ethylene.



Cryogenic Hose

Applicable Standards:

BS EN 13766

International Maritime Organisation IGC Code
(For marine applications)

United States Coastguard Requirements
(For marine applications)

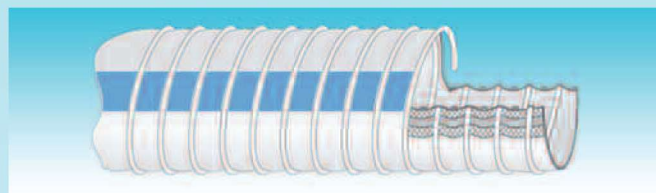
Temperature Range: -200°C to +80°C.

Maximum Working Pressure 25 Kg/cm².

Safety Factor 5:1 (Burst Pressure: Working Pressure).

Sizes 1" to 10" internal diameter: Standard Cover: White Polyamide.

This range of high quality composite hoses is manufactured from multiple layers of polymers with excellent resistance to the low temperatures required for transfer of liquid gases such as Liquefied Petroleum Gas (LPG), Liquefied Natural Gas (LNG), carbon dioxide, ammonia or ethylene. The inner wire helix wire is



stainless steel 316. The outer wire helix can be galvanised steel or stainless steel 316.

We would emphasise that Danchem PA denotes a range of hoses, not a single product. Hoses are constructed to match exactly users requirements by making use of the excellent low temperature flexibility and strength of polymers such as, polyester, polyamide, **Ultra High Molecular Weight PolyEthylene** (UHMWPE) and polyurethane.

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Danchem PA SS 100

Suitable for LPG – temperatures down to -104°C

Danchem PA SS 200

Suitable for LNG – temperatures down to -200°C

Bore Diameter		Max. Working Pressure		Bend Radius		Weight	
INS	MM	BARS	PSI	INS	MM	KG/M	LB/FT
1	25	25	360	4	100	1	0.7
1.5	38	25	360	5.5	140	1.5	1.0
2	50	25	360	7	180	2.5	1.7
2.5	65	25	360	8	205	3.3	2.2
3	75	25	360	11	280	4.5	3.0
4	100	25	360	15.5	395	7.5	5.0
6	150	21	305	20	510	13.5	9.0
8	200	21	305	30	760	18.5	12.4
10	250	15	220	36	915	25	17.4

