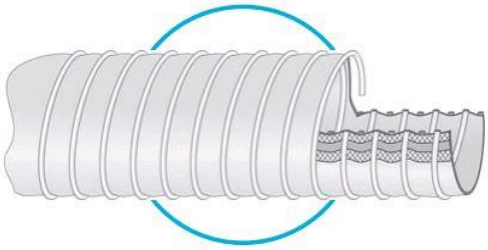
SMAILE PLUSS™

CRYOGENIC HOSE

DAN TEC

SP TECH



CRYOGENIC HOSE

DANCHEM PA LPG/Ammonia Hose

APPLICABLE STANDARDS:

* BS EN13765:2010
* International Maritime Organisation IGC Code (or marine applications)
* United States Coastguard Requirements (or marine applications)
* Lloyd's Register Type Approval

PHYSICAL PROPERTIES

Temperature Range:	-104°C to +80°C
Maximum Working Pressure:	25 BAR
Vacuum Range:	0.9 BAR
Safety Factor:	5:1 for heavy duty grades, (Burst Pressure: Working Pressure)
Sizes:	1" to 10" (25mm – 250mm) internal diameter
Standard Cover:	White Polyamide

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.

CONSTRUCTION

This range of hoses is manufactured from multiple layers of polymers. The inner wire helix is stainless steel 316. The outer wire helix is also 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.

DANCHEM PA SS 100

Bore Diameter		Max.Working Pressure		Bend Radius		Weight	
Inch	mm	Bar	psi	inch	mm	kg/m	lb/ft
1	25	25	370	4.0	100	1.0	0.7
1.5	38	25	370	5.5	140	1.5	1.0
2	50	25	370	7.0	180	2.5	1.7
2.5	65	25	370	8.0	205	3.3	2.2
3	75	25	370	11.0	280	4.5	3.0
4	100	25	370	15.5	395	7.5	5.0
6	150	25	370	20.0	510	13.5	9.0
8	200	25	370	30.0	760	18.5	12.4
10	250	20	300	36.0	915	25.0	17.4

SP TECH