

**DANTEC**

MEMBER OF THE  
ELAFLEX GROUP



# 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.

## APPLICABLE STANDARDS

- BS EN 13766: 2018
- International Maritime Organisation IGC Code (or marine applications)
- United States Coastguard Requirements (or marine applications)
- DNV Type Approval

## PHYSICAL PROPERTIES

### Temperature Range

-104°C to +80°C

### Maximum Working Pressure:

25 BAR

### Vacuum:

0.9 BAR

### Safety Factor:

5:1 (Burst Pressure: Working Pressure)

### Sizes

1" to 10" internal diameter

### Standard Cover:

White polyamide



## 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

Suitable for LPG and other liquefied gases down to -104°C

Bore Diameter		Max. Working		Bend Radius		Weight	
INS	MM	BARS	PSI	INS	MM	KG/M	LB/FT
1	25	25	370	4	100	1.0	0.7
1.5	38	25	370	5.5	140	1.5	1.0
2	50	25	370	7	180	2.5	1.7
2.5	65	25	370	8	205	3.3	2.2
3	75	25	370	11	280	4.5	3.0
4	100	25	370	15.5	395	7.5	5.0
6	150	25	370	20	510	13.5	9.0
8	200	25	370	30	760	18.5	12.4
10	250	25	370	36	915	25	17.4

