

Company Profile

Company History and Profile

Established in 1969, Dantec is now the most innovative manufacturer of composite hose in the world; exporting products from our UK factory, near Liverpool, to over 50 countries.

Originally, Dantec started as a gasket cutting business. However, the requirements of the largest petrochemical complex in the UK at Ellesmere Port, 10 miles from the Dantec original site, led to diversification into other industrial products, including hoses in 1977. An ever increasing demand from existing customers for a reliable supplier of composite hose, led to Dantec commencing manufacture. Continuous innovation and development have placed Dantec as the world leader in composite hose technology. At our purpose built factory in the north of England we manufacture hose from the highest specification materials to the most stringent procedures, in order to produce the highest quality and comprehensive range of composite hose.

Dantec Ltd operates from its head office and factory at Moreton, Merseyside. We have a network of assembling distribution in the United Kingdom, and many other countries. These distributors have been trained in the assembly process, and are able to fulfill their local industry's requirements quickly and efficiently.

The mutual support between Dantec and distributors is a very important part of our business. We believe that the strong relationship between the manufacturer and distributor is the recipe for long term success.

Quality system

Dantec composite hose products meet all major national and international standards and IMO, IBC and IGC codes. All marine hoses meet the requirement of the United States coastguard. Dantec were the first composite hose manufacturer to achieve ISO9000 status, and have been registered with the British standards institute since 1988.

Environmental policy

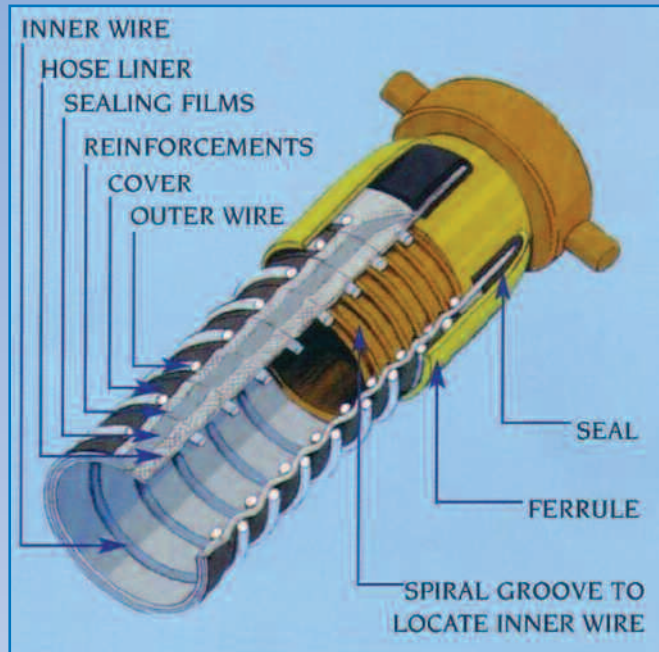
Dantec are committed to the protection of the environment by every means commercially practicable, and the company therefore pursues a policy aimed at minimizing environmental damage and maximizing opportunities for the environmental enhancement.

Dantec managers are responsible for implementation of this policy and for ensuring that all staff are aware of the environmental implications of their activities within their own areas of responsibility.

Composite Hose

Composite hose, like other hose, provides the vital flexible connection to compensate for vibration, movement, or misalignment in a fluid transfer system.

Composite hose has helically wound internal and external metallic wires applied at a precise controlled pitch. Between these wires are typically multiple layers of thermoplastic films, fabrics and a protective cover.



The inner and outer wires can be:-

Stainless steel
Galvanised mild steel
Aluminium
Polypropylene coated mild steel
Nylon coated mild steel

The fabrics can be:-

Polypropylene
Polyamide (Nylon)
Polyester
UHMWPE (Ultra High Molecular Weight PolyEthylene)
Glass fibre

The films can be:-

Polypropylene
Polyamide
Polyester
ECTFE (Ethylene Chloro Tri Fluoro Ethylene)
PTFE (Poly Tetra Fluoro Ethylene)
FEP (Fluoro Ethylene Propylene)

The cover can be:-

PVC Coated Polyester
PVC Coated Glass Fibre
Polypropylene
Polyamide
Polyester
UHMWPE (Ultra High Molecular Weight PolyEthylene)

By utilising various combinations of these materials it is possible to manufacture hoses compatible with a huge range of chemicals at a wide range of temperatures and pressures.

As with all types of hose a composite hose assembly depends on the strength and reliability of its coupling system. Dantec have developed their own unique swaging system which uses high quality precision engineered couplings, ferrules and seals. The system is designed to ensure that when prototype tests are conducted, the hose will burst before the end fitting is expelled, thus ensuring that the maximum strength of the hose is fully employed. Dantec's swaging system guarantees electrical continuity to ensure that no build up of static electricity is possible.

All the hoses in this brochure are available as complete assemblies with a wide range of flanges, camlocks, threads, API and dry break couplings. Couplings in stainless steel, aluminium, carbon steel, gunmetal and high strength engineering plastics are available generally from stock.

Dantec provide full hose testing, maintenance and repair schemes tailored to individual customers needs.

Please consult Dantec or your local distributor for further information.

Petroleum and Oil Hose Danoil 3 and Danoil 3 AG

Petroleum and Oil Hose

Lighter weight hose

BS EN 13765: Type 2
BS 3492:1987 Type BX,
Maximum working 10 Kg/cm²
Safety Factor 4:1 (Burst to Working Pressure)
Temperature Range: -30°C to +80°C

The Danoil family of hoses are composite hoses manufactured to the highest quality. The constructions are designed for suitability for the whole range of mineral and vegetable oils and fuels. Hoses are available from low pressure road tanker applications through to heavy duty ship to shore hoses. All hoses are suitable for suction and delivery.

All Danoil hoses are manufactured from multiple layers of thermoplastic fabrics and films supported by metallic wire inner and outer helices.

Danoil 3 GG

Sizes: 1" to 4". Standard Colour: Green.

A robust but light weight hose designed for ease of use as a road tanker delivery hose for petrol, diesel and low viscosity oils.

Inner and outer wires are high tensile strength mild steel with a heavy hot dip zinc coating to reduce corrosion. The hose is lined and reinforced with polypropylene



fabrics and sealed with polypropylene films. The cover is a wear and weatherproof layer of PVC coated polyester.

Standard colour is green but other colours can be arranged.

Bore Diameter		Max.Working Pressure		Bend Radius		Weight	
INS	MM	BARS	PSI	INS	MM	KG/M	LB/FT
1	25	10.5	150	4.0	100	0.8	0.5
1.5	38	10.5	150	5.0	125	1.1	0.7
2	50	10.5	150	6.0	150	1.6	1.1
2.5	65	10.5	150	7.0	180	2.1	1.4
3	75	10.5	150	8.0	205	2.5	1.7
4	100	10.5	150	10.5	265	3.6	2.4

Danoil 3 AG

Sizes 2.5" to 4". Standard Colour: Orange.

This hose is identical in its construction to Danoil 3 with the exception of having an aluminium inner wire to give an extra lightweight product. Its principal use is for gravity and low pressure delivery of petrol and diesel to forecourts from road tankers.



Bore Diameter		Max. Working Pressure		Bend Radius		Weight	
INS	MM	BARS	PSI	INS	MM	KG/M	LB/FT
2.5	65	10.5	150	7.0	180	1.6	1.1
3	75	10.5	150	8.0	205	1.7	1.2
4	100	10.5	150	10.5	265	2.4	1.6

Petroleum and Oil Hose Danoil 7 and 9

Petroleum and Oil Hose

Applicable Standards:

BS EN 13765: Type 3

BS 5842:1980

Sizes: 1" to 4" Standard Duty / 4" to 10" Heavy Duty.

Maximum working 14 Kg/cm²

Safety Factor 4:1 Standard Duty/ 5:1 Heavy Duty
(Burst to Working Pressure)

Temperature Range: -30°C to +80°C

International Maritime Organisation IBC Code
(For marine applications).

United States Coastguard Requirements (For marine applications).

The Danoil family of hoses are composite hoses manufactured to the highest quality. The constructions are designed for suitability for the whole range of mineral and vegetable oils and fuels. Hoses are available from low pressure road tanker applications through to heavy duty ship to shore hoses. All hoses are suitable for suction and delivery.

All Danoil hoses are manufactured from multiple layers of thermoplastic fabrics and films supported by metallic wire inner and outer helices.

Danoil 7 GG, AG

A tough, high strength oil and petroleum transfer hose. Danoil 7 Standard Duty is designed for applications such as rail car loading and unloading, road tanker bottom loading, lubricating oil plant hose exchanges. Danoil 7 Heavy Duty is designed for ship to shore and on board marine transfer.

Inner and outer wires are high tensile strength mild steel with a heavy hot dip zinc coating to reduce corrosion.



The hose is lined and reinforced with polypropylene fabrics and sealed with polypropylene films. The cover is a wear and weatherproof layer of PVC coated polyester.

Standard Colour: Black.

Danoil 9 GG, AG, NG, SG

Is a Nylon lined version of Danoil 7, especially designed for use with high aromatic solvents, MTBE and unleaded fuel.

Standard Colour: Blue.



Bore Diameter		Max. Working Pressure		Bend Radius		Weight	
INS	MM	BARS	PSI	INS	MM	KG/M	LB/FT
1	25	14	200	4.0	100	0.8	0.5
1.5	38	14	200	5.5	140	1.2	0.8
2	50	14	200	7.0	180	1.9	1.3
2.5	65	14	200	8.0	205	2.5	1.7
3	75	14	200	11	280	3.0	2.0
4	100	14	200	15.5	395	5.2	3.5
Heavy Duty							
4	100	14	200	16.0	405	6.4	4.3
6	150	14	200	20.0	510	10.7	7.2
8	200	14	200	30.0	760	15	10.0
10	250	10.5	150	36.0	915	20.5	13.7

General Purpose Chemical Hose Danchem PG, PS, SG, SS

General Purpose Chemical Hose

Applicable Standards:

BS EN 13765: Type 3

BS 5842:1980

International Maritime Organisation IBC Code

(For marine applications)

United States Coastguard Requirements

(For marine applications)

Temperature Range: -30°C to +80°C

Maximum Working Pressure 14 Kg/cm²

Safety Factor 5:1 for heavy duty grades, 4:1 for other types (Burst to Working Pressure).

Sizes 1" to 10" internal diameter. Standard Colour: Grey.

This range of high quality composite hoses is manufactured from multiple layers of polypropylene fabrics and films. The inner wire helix can be polypropylene coated carbon steel or stainless steel 316. The outer wire helix can be galvanised steel or stainless steel 316.



Danchem hoses make use of the wide chemical resistance range of polypropylene to produce a hose suitable for the majority of chemical and oil products at an economical price.

Some typical applications are in plant transfer of liquid chemicals, vegetable and mineral oils and loading and unloading of these products to and from, road tankers, rail tankers and marine tanker ships.

For those products which are chemically incompatible with polypropylene or outside of the temperature range indicated Dantec have several alternatives available. If in doubt please consult Dantec's technical staff who will be pleased to advise.

Danchem PG, PS, SG, SS

Bore Diameter		Max. Working Pressure		Bend Radius		Weight	
INS	MM	BARS	PSI	INS	MM	KG/M	LB/FT
1	25	14	200	4.0	100	0.8	0.5
1.5	38	14	200	5.5	140	1.2	0.8
2	50	14	200	7.0	180	1.9	1.3
2.5	65	14	200	8.0	205	2.5	1.7
3	75	14	200	11	280	3.0	2.0
4	100	14	200	15.5	395	5.2	3.5
Heavy Duty							
4	100	14	200	16.0	405	6.4	4.3
6	150	14	200	20.0	510	10.7	7.2
8	200	14	200	30.0	760	15	10.0
10	250	10.5	150	36.0	915	20.5	13.7

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DAN www.dantec.ltd.uk
T E C World Leader in Composite Hose Technology

Fluoropolymer Hose Danflon GG, SG, SS

Fluoropolymer Hose

Applicable Standards:

BS EN 13765

Type 3 for temperature range: -30°C to +80°C

Type 4 for temperature range: -30°C to +150°C

BS5842:1980

International Maritime Organisation IBC Code

(For marine applications)

United States Coastguard Requirements

(For marine applications)

Maximum Working Pressure 14 kg/cm²

Safety Factor 5:1 for heavy duty grades, 4:1 for standard duty grades (Burst Pressure: Working Pressure)

Sizes 1" to 10". Standard Colour: Blue.

Used worldwide by many leading companies, these premium quality hoses are lined, as standard, with **E**thylene **C**hloro **T**ri **F**luoro **E**thylene (ECTFE). This is a high tech fluoropolymer very similar to **P**oly **T**etra **F**luoro **E**thylene (PTFE), in its broad spectrum chemical resistance but with the advantage of high mechanical strength and low permeability. The inner and outer wires can be galvanised carbon steel or stainless steel 316.



Hoses are reinforced with polypropylene or polyester depending on the required maximum working temperature.

Typical applications are aggressive acids and those products which attack polypropylene.

The high temperature range **Danflon SGA**, **Danflon SSA** and **Danflon GGA** are for temperatures in excess of 100°C.

Danflon heavy duty hoses are widely used for marine cargo hose because of their robust construction and wide chemical resistance.

Where an economical fluoropolymer lined hose is required for light duties (such as road Tanker discharge), customers can consider our Danchem PTSG/SS range of hoses, which have a maximum working pressure of 10 Bar.

Danflon GG, SG, SS

Bore Diameter		Max. Working Pressure		Bend Radius		Weight	
INS	MM	BARS	PSI	INS	MM	KG/M	LB/FT
1	25	14	200	4.0	100	0.8	0.5
1.5	38	14	200	5.5	140	1.2	0.8
2	50	14	200	7.0	180	1.9	1.3
2.5	65	14	200	8.0	205	2.5	1.7
3	75	14	200	11	280	3.0	2.0
4	100	14	200	15.5	395	5.2	3.5
Heavy Duty							
4	100	14	200	16.0	405	6.4	4.3
6	150	14	200	20.0	510	10.7	7.2
8	200	14	200	30.0	760	15	10.0
10	250	10.5	150	36.0	915	20.5	13.7

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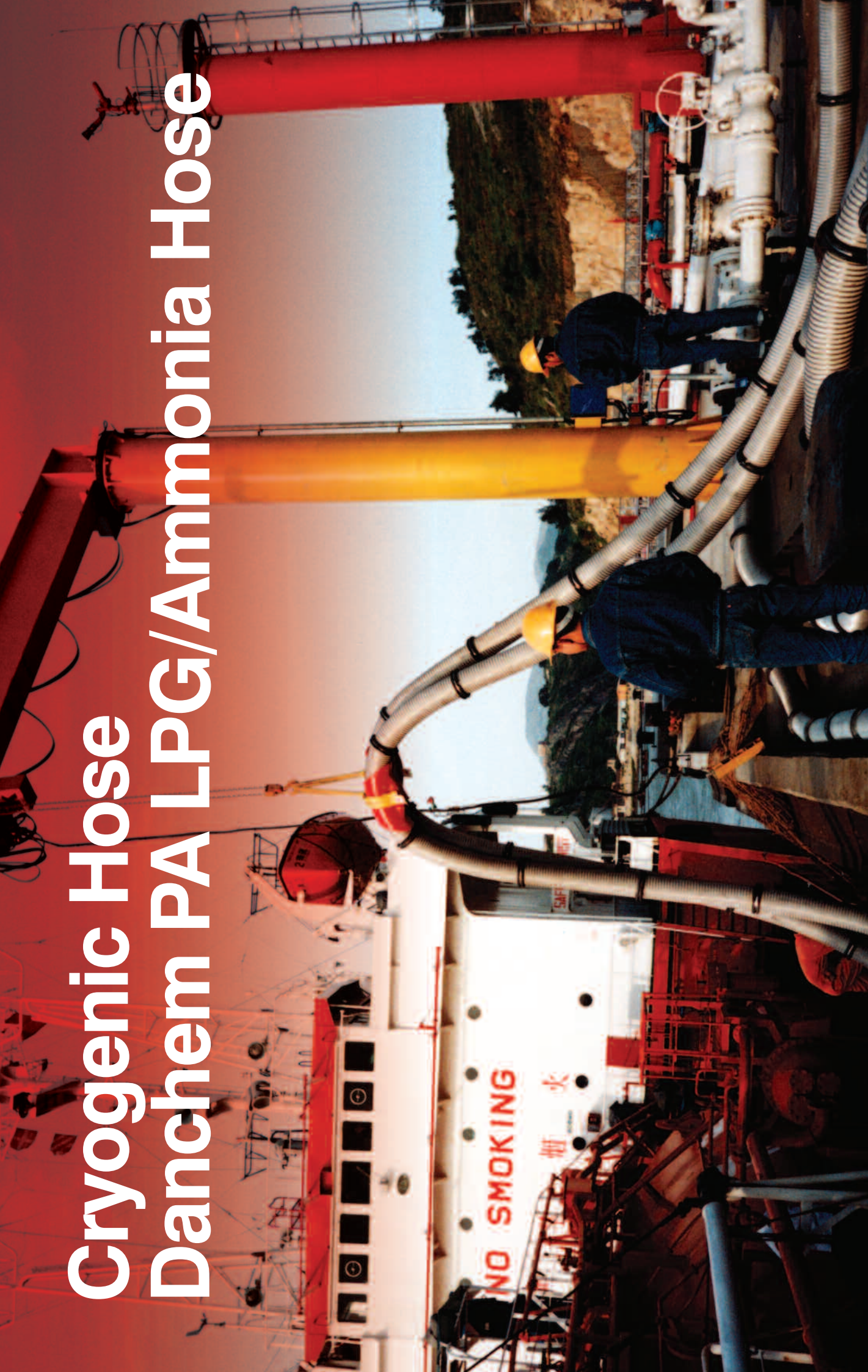
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Email: sales@dantec.ltd.uk



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World Leader in Composite Hose Technology

Cryogenic Hose Danchem PA LPG/Ammonia Hose



Cryogenic Hose

Applicable Standards:

BS EN 13766

International Maritime Organisation IGC Code
(For marine applications)

United States Coastguard Requirements
(For marine applications)

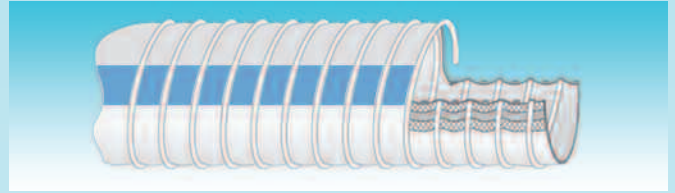
Temperature Range: -200°C to +80°C.

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.

Hoses are in use by leading companies throughout the world for ship to shore transfer, 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.

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

Biofuels Hose



World Leader in Composite Hose Technology

Biofuels Hose

The transfer of Biofuels is increasingly important in the petrochemical industry. Bioethanol presents few problems since most rubber and thermoplastics have generally good chemical resistance. However, Biodiesel contains esterified vegetable oils which have been found to damage most elastomers typically used in the production of fuel oil hoses. Composite hose, on the other hand, can be lined with polyamide (Nylon), which has excellent resistance to both mineral oils and the component chemicals which constitute typical Biofuels.

Dantec Ltd have received much interest concerning the transfer of Biofuels, from bulk fuel storage and transport companies throughout the world.

The hose we offer for these media is Danoil 9, with aluminium inner wire and galvanised outer wire (Danoil 9AG) or with Nylon coated inner wire and galvanised outer wire (Danoil 9NG), or with stainless steel, inner wire and galvanised outer wire (Danoil 9SG). All hoses are available with stainless steel outer wire too. Hoses are available from 1" to 10" nominal bore, and maximum



working pressure to 14 bar. The Nylon lining gives excellent resistance to Biodiesel and also alcohols.

Composite hose is particularly suitable for these applications because of its excellent chemical resistance and lightweight flexibility.

As well as nitrile: polypropylene, polyvinyl, and tygon materials are also vulnerable to problems when conveying Biodiesel. Brass, bronze, copper, lead, tin, and zinc may also accelerate the oxidation of diesel and Biodiesel fuels, and create fuel insolubles (sediments) or gels and salts when reacted with some fuel components. All lead solders, zinc linings, copper pipes, brass regulators, and copper fittings of any type should be avoided. Recommended equipment should be of stainless steel, carbon steel, or aluminium.

Danoil 9 AG

Bore Diameter		Max. Working Pressure		Bend Radius		Weight	
INS	MM	BARS	PSI	INS	MM	KG/M	LB/FT
2.5	65	10.5	150	7.0	180	1.6	1.1
3	75	10.5	150	8.0	205	1.7	1.2
4	100	10.5	150	10.5	265	2.4	1.6

Danoil 9 NG or SG

Bore Diameter		Max. Working Pressure		Bend Radius		Weight	
INS	MM	BARS	PSI	INS	MM	KG/M	LB/FT
1	25	14	200	4.0	100	0.8	0.5
1.5	38	14	200	5.5	140	1.2	0.8
2	50	14	200	7.0	180	1.9	1.3
2.5	65	14	200	8.0	205	2.5	1.7
3	75	14	200	11	280	3.0	2.0
4	100	14	200	15.5	395	5.2	3.5
Heavy Duty							
4	100	14	200	16.0	405	6.4	4.3
6	150	14	200	20.0	510	10.7	7.2
8	200	14	200	30.0	760	15	10.0
10	250	10.5	150	36.0	915	20.5	13.7

Vapour Hose



Vapour Hose

Applicable Standards:
BS EN 13765: Type 1

Temperature Range: -30°C to +80°C

Pressure range: Norm. 7 bar – but higher can be accommodated.

Danoil VR GG, SG, SS. is a composite hose, purpose built for vapour return of hydrocarbon products in marine, road and rail tanker operations. With Dantec Sure-lec guaranteed electrical continuity.

Danchem VR is of similar construction to Danoil VR but is suitable for more aggressive chemical applications



Dantec Vapour hoses are robust, but light weight, extremely flexible with the same specially high strength cover as used on all Dantec composite hose.

Sizes 1" to 10". Standard Colour: Orange or Yellow.

Bore Diameter		Max. Working Pressure		Bend Radius		Weight	
INS	MM	BARS	PSI	INS	MM	KG/M	LB/FT
3	75	7	100	4.0	100	2.4	1.6
4	100	7	100	5.5	140	3.4	2.3
6	150	7	100	7.0	180	8.3	5.6
8	200	7	100	8.0	205	12.5	8.4
10	250	7	100	11.0	280	16.0	10.7



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T E C www.dantec.ltd.uk
World Leader in Composite Hose Technology

Super-Flex and Special Construction Hose, Firesafe Hose

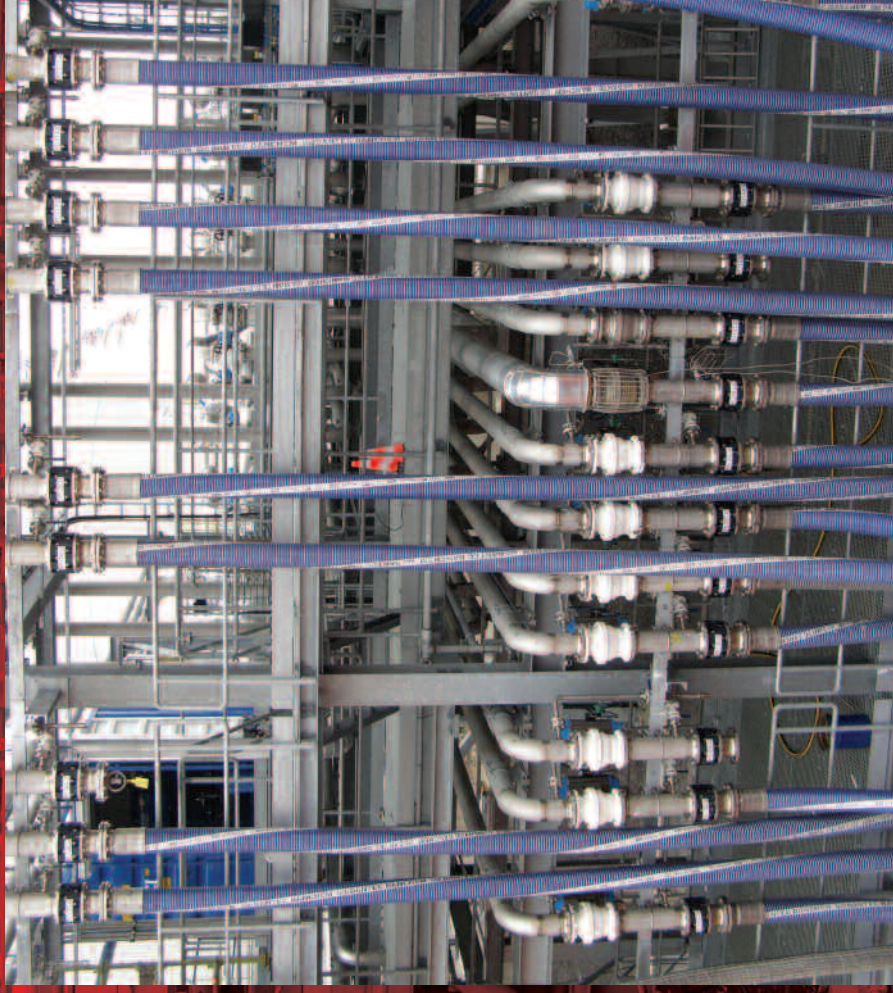
Super-Flex Hose and Special Construction Hose

Dantec believe that all customers deserve the very best hose for their particular application. What is "Best" should take account of safety, ease of handling, reliability, longevity and value for money.

Dantec's standard product range is very comprehensive and covers the majority of applications. However, every customer is different and there are applications for which a standard hose is either not suitable or is unnecessarily expensive.

Dantec have a vast knowledge of applications with highly experienced technical staff including experts in materials technology. They have used this experience to develop a number of special hose constructions designed to cope with mechanically or chemically challenging conditions. Such hoses include very economical Biofuel hoses and Super-Flex hoses specially designed for long unsupported lengths, high temperature products and low pressure steam cleaning.

Dantec take pleasure in solving customers' problems. So if you have a new hose transfer application or perhaps the life of your current hose is not satisfactory please discuss it with our technical staff. It is very likely that they can help either with an existing special construction, or purpose build a hose to suit your needs.



Firesafe Hose

Fire – its discovery ensured our survival yet we constantly strive to control its power. If you handle flammable or hazardous cargo you are no doubt operating stringent safety procedures and practices. In most cases this is enough to identify a minor incident and prevent it from becoming a major one. Unfortunately any process or piece of equipment is only as strong as its weakest link. Flexible hoses form an integral part of the petrochemical industry, yet in all but the most critical of applications the fire retardant ability of a flexible hose is never questioned. Standard composite hose has great advantages by way of flexibility, weight, chemical resistance and price over other forms of flexible hose, but just like other hose it has the problem of safety in a fire situation.

FIRESAFE composite hose utilises a series of non-asbestos barriers to conductive and radiative heat to achieve outstanding fire retardant ability. With FIRESAFE hose, after thirty minutes of severe fire attack, the hose carcass is still intact and capable of holding product. From a fire fighting and personnel point of view, this is a critical factor. A severe situation is where hot, vapourising fuel is violently deposited onto a running or spillage fire; a situation made worse when water is involved, often

resulting in catastrophic effects. Even after loss of integrity, FIRESAFE hose will not fail catastrophically. Instead it will gradually burn off the product as it presents itself to atmosphere. In addition to testing by Dantec at our Moreton factory, the FIRESAFE hose has been independently tested by the British Government Department of the Environment, Fire Research Station and also the Swedish Fire Service.

All Dantec hoses are available with FIRESAFE protection. Standard Colour: Red.



HOSE FULL OF PRODUCT UNDER EXTREME FIRE ATTACK.



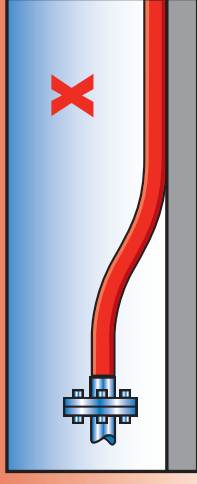
FIRESAFE HOSE STILL INTACT AFTER 30 MINUTES OF FIRE.



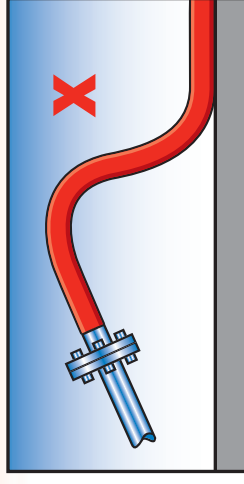
Composite Hose Handling Guide

Dantec hoses are manufactured from the finest materials, to the highest specifications, for service in arduous conditions. To ensure long, trouble free service from these robust versatile hoses we advise the following installation procedures

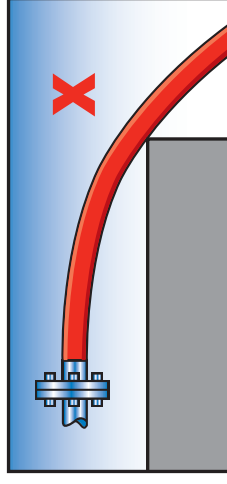
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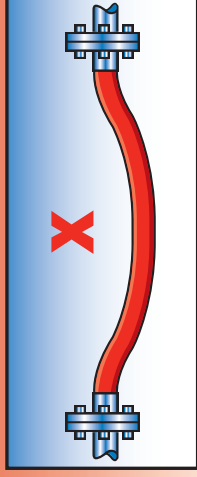
NEVER USE HOSE UNSUPPORTED



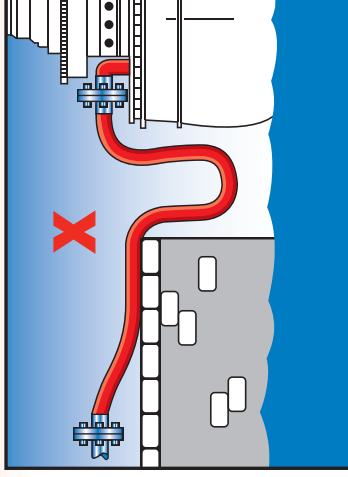
NEVER USE HOSE UNSUPPORTED



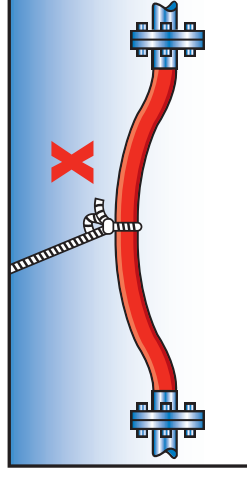
PROTECT AGAINST SHARP EDGES, QUAY EDGE, SHIP'S GUARD RAIL ETC.



NEVER USE HOSE UNSUPPORTED

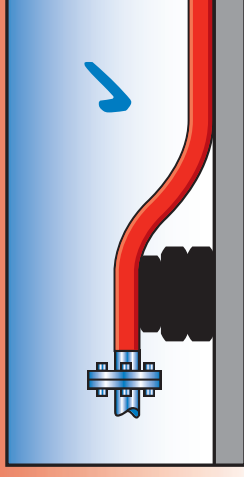


NEVER OVERBEND HOSE OR ALLOW HOSE TO HANG BETWEEN QUAY AND SHIP

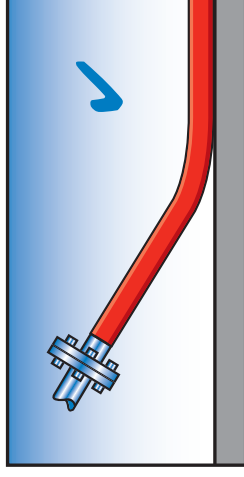


NEVER SUPPORT HOSE WITH SINGLE ROPE

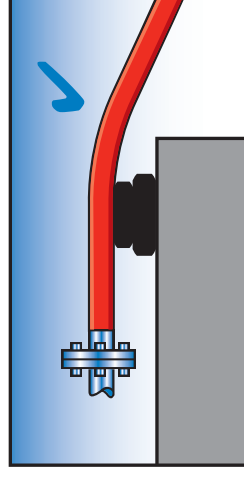
CORRECT



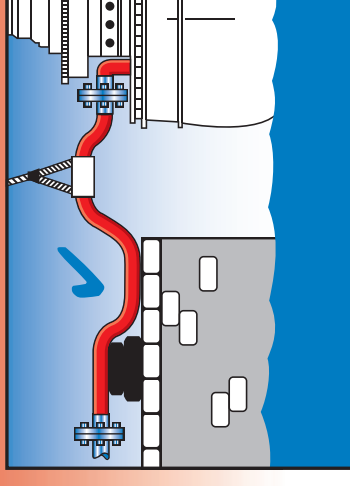
ALWAYS SUPPORT HOSE NEAR COUPLING



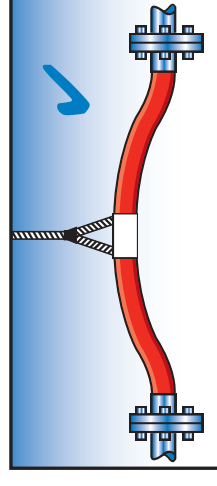
ACCEPTABLE



ACCEPTABLE



SUPPORT HOSE WITH SLINGS



SUPPORT HOSE WITH SLINGS WHERE APPROPRIATE

Suitability, Testing and Inspection

Suitability

There are several factors to be considered when ordering a hose. After completing this list of hose requirements, it will be clear what specification of hose is required.

Working pressure; Working temperature; Chemical medium; Viscosity of medium; Cleaning requirements; Risk of cross contamination; External temperature; Mechanical support available ie: cranes, bridges, saddles slings; Environmental considerations; Health and safety.

When selecting a hose for extreme conditions, it is not advisable to select a hose which would, at any time during use, be subjected to simultaneous pressure and temperature and bending radius at the upper limits of its specification. Our technical department will be pleased to give advice on such applications.

Installation and usage

Incorrect installation can unduly stress hose assemblies leading to a shortened working life or premature failure.

- 1 Flanged hose assemblies should ideally have one end secured with a swivel flange to lessen any distortion which may occur.
- 2 Hose assemblies must not be twisted either on installation or whilst in use.
- 3 Hose assemblies subject to movement whilst operating should be installed in such a way that flexing occurs in the same place.
- 4 When installing hose assemblies note must be taken of the minimum bend radius specification.

Cleaning

Hoses should be cleaned after use and before testing. The method used will depend upon service, location and hose type. Flushing out is adequate in most situations using a variety of fluids:- eg: clean water; hot water, sea water, detergents and solvents at ambient temperature.

If sea water is used the hose must be well drained afterwards, to minimise corrosion. Care must be taken that the maximum working pressure of the hose is not exceeded during cleaning. Steam lances should not be used as these can dislodge the inner wire. Compressed air may be used on open ended polypropylene lined hose, but is not recommended for ECTFE lined hose. Mechanical methods of cleaning, such as pigging must not be used, as this could also dislodge a wire.

Testing

At periods not exceeding 6 months, most composite hoses should be tested for electrical continuity using the following procedure:-

- 1 Lay the hose flat on the ground.
- 2 Check that the hose is electrically continuous from end to end. This can be done using a battery and bell test but ideally with an ohm meter. The electrical resistance should not exceed 10 ohms from end to end. Hoses which are not electrically continuous from end to end should be taken out of service pending inspection.

We recommend the following test procedure should be applied to chemical and general purpose hose every six months, and to oil and spirit hose every 12 months.

- 1 Drain and thoroughly clean the hose.
- 2 Visually inspect the hose. Hoses showing any significant damage should not be tested.
- 3 Lay the hose out straight, allowing space for elongation under pressure.
- 4 Blank off one end and fill with water, taking care to release all the air from the hose.
- 5 For the test duration, appropriately pressurise the hose. While this pressure is being maintained examine the hose for any leaks and test for electrical continuity between the end connections.
- 6 Release pressure and drain. Indelibly mark the hose with test details.

NB: A feature of composite hose is elongation under pressure, which is relatively high compared with rubber hose. This characteristic of thermoplastic composite hose can not be used as an assessment of the condition of the hose or an indication of failure.

Inspection

Before each operation hoses should be visually examined paying attention to the following points:-

- 1 Displacement of reinforcing wire from their normal pitch.
- 2 Abrasion or corrosion of the hose outer wire.
- 3 Abrasion of the reinforcing fabrics below the outer cover.
- 4 Dents or kinks.
- 5 Damage or displacement of end fittings.
- 6 Evidence of leakage from end fittings.

Repairs

It may be possible to repair hoses which have been damaged in service. This however, should only be undertaken by properly trained Dantec staff or our authorised distributors who have specialist knowledge of composite hose and have also been trained in hose assembly. Please contact your nearest Dantec branch for advice.