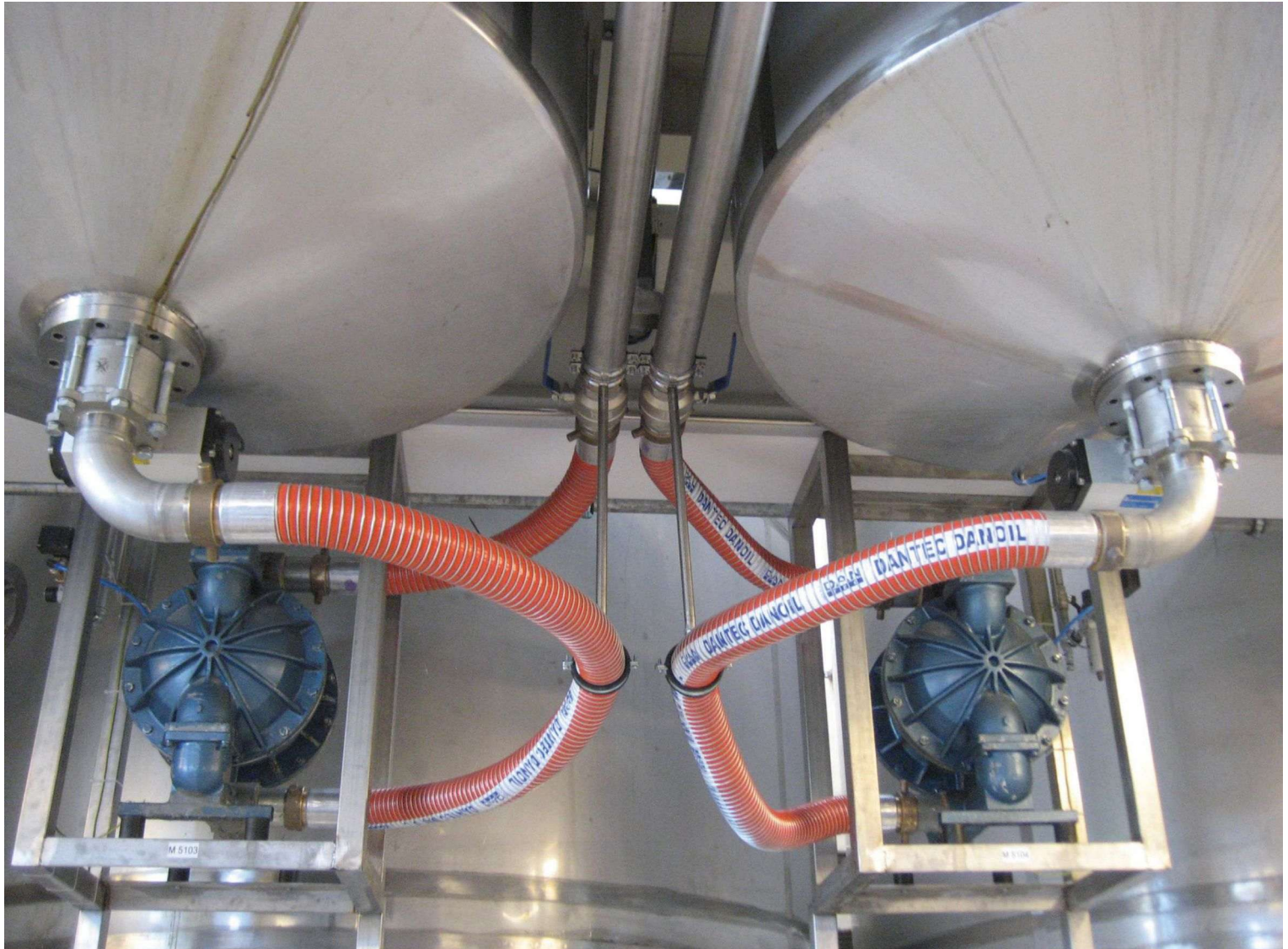


DANTEC

MEMBER OF THE
ELAFLEX GROUP



PETROLEUM AND OIL HOSE

Danoil 3 GG, AG, AA

LIGHT WEIGHT HOSE

BS EN13765:2018 Type 2

DNV Type Examination

Maximum working 10.5 BAR

Safety Factor 4:1 (Burst to Working Pressure)

Temperature Range -30°C to +100°C

Vacuum Range: 0.9 BAR

D3AA is available with an Aluminium outer wire. This is ideal if an extra lightweight hose is required.

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 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		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	1.4
2.5	65	10.5	150	7.0	180	2.1	1.7
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 GG

Sizes: 1" to 4". Standard

Colour: Green

This hose is identical in its construction to Danoil 3 GG 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 tanker.

(Danoil 3AA is also available with addition of outer wire in aluminium).

Bore Diameter		Max.Working		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



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FLUOROPOLYMER HOSE

Danflon GG, SG, SS

APPLICABLE STANDARDS

BS EN13765:2018 Type 3 or 4*

DNV Type Examination:

Black Type

KR Type Approval

NK Type Approval

Type 3 for temperature range: -30°C to +100°C

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

International Maritime Organisation
IBBC Code (For marine applications)
United States Coastguard
Requirements (For marine applications)

Maximum Working Pressure:

14 BAR

Vacuum Range: 0.9 BAR

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 Ethylene Chloro Tri Fluoro Ethylene (ECTFE). This is a high tech fluoropolymer very similar to Poly Tetra Fluoro Ethylene (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.

PTFE lined hoses are also available / DANFLON PTGG, 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	14	200	36.0	915	20.5	13.7





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:

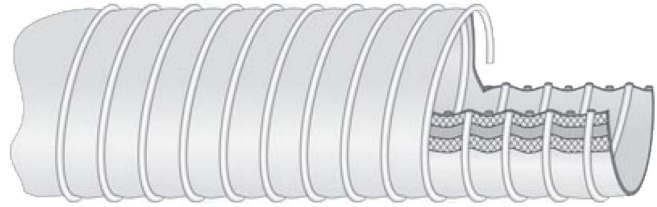
5:1 (Burst Pressure: Working Pressure)

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

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BIOFUELS HOSE

BIOFUELS FUELS

EN13755: 2018 TYPE 3



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 9A6) or with Stainless Steel, inner wire and Galvanised outer wire. 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 Stainless Steel or Aluminium.

DANOIL 9 AG or AS

Bore Diameter		Max. Working Pressure		Bend Radius		Weight	
INS	MM	BARS	PSI	INS	MM	KG/M	LB/FT
2.5	65	14.0	200	8.0	205	2.5	1.1
3	75	14.0	200	11	280	3.0	1.2
4	100	14.0	200	15.5	395	5.2	1.6

DANOIL 9 SG or 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	14	200	36.0	915	20.5	13.7

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VAPOUR HOSE

VAPOUR HOSE

APPLICABLE STANDARDS

BS EN13765 :2018 Type 1

DNY Type Examination

United States Coastguard

Temperature Range:

-30°C to 80°C

Pressure Range:

Norm 7 bar – but – higher can be accommodated

Vacuum Range:

0.5 BAR



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-loc guaranteed electrical continuity.

Danchem VR and Danflon VR are of similar construction to Danoil VR but is suitable for more aggressive chemical applications.

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

DANOIL 9 AG or AS

Bore Diameter		Max.Working Pressure		Bend Radius		Weight	
INS	MM	BARS	PSI	INS	MM	KG/M	B/FT
3	75	7	100	8.0	205	2.4	1.6
4	100	7	100	10.5	265	3.4	2.3
6	150	7	100	19.0	485	8.3	5.6
8	200	7	100	27.5	700	12.5	8.4
10	250	7	100	35.0	880	20.5	13.7

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