

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

Tel: +44 (0)151 678 2222

Fax: +44 (0)151 606 0188

Email: sales@dantec.ltd.uk

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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www.dantec.ltd.uk
World Leader in Composite Hose Technology

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

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