DANTEC / MEMBER OF THE ELAFLEX GROUP

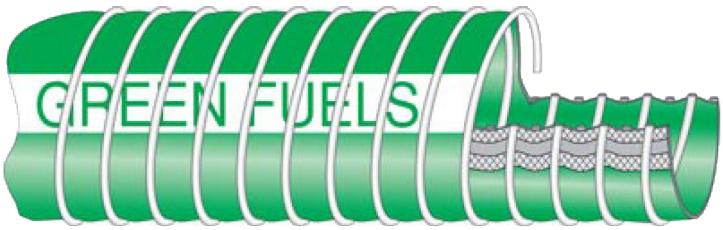
BIOFUELS HOSE

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 ahve 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 recieved much interest concerning the trasnfer 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 wise and Galvanished outer wire (Danoil 9A6) or with Stainless Steel, inner wire and Galvanished 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 boidiesel and also alcohols.



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

As well as nitrile polypropylane, 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 insoluables (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. Reccommended 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	B/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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