



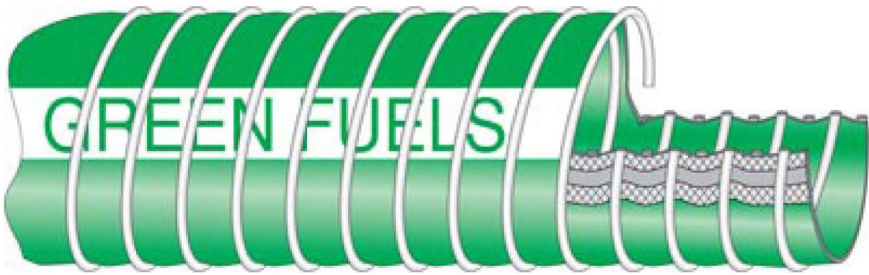
## BIOFUELS HOSE



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 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 of Stainless Steel, Carbon Steel or Aluminium.

DANOIL 9 AG or AS

Table with 8 columns: Bore Diameter (INS, MM), Max. Working Pressure (BARS, PSI), Bend Radius (INS, MM), and Weight (KG/M, LB/FT). Rows show specifications for 2.5, 3, and 4 inch bore diameters.

DANOIL 9 SG or SS

Table with 8 columns: Bore Diameter (INS, MM), Max. Working Pressure (BARS, PSI), Bend Radius (INS, MM), and Weight (KG/M, LB/FT). Rows show specifications for 1 to 10 inch bore diameters, including a 'Heavy Duty' section for larger diameters.

