

Chemicoil 600

Fuel & Chemical Delivery Hose

- Easy to store and transport
- Fast deployment and retrieval
- Low operating costs
- Long service life
- Static discharge wires



A cost-effective flexible layflat hose for fuel and chemical delivery operations.

Easy to Store & Transport

Lightweight and compact for economical storage. Standard pick-up truck instead of flat-bed truck and fork lift reduces transport costs and enables direct routes inaccessible to larger vehicles to be taken.

Fast Deployment and Retrieval

Long continuous lengths can be quickly deployed and retrieved using light duty or power driven reels.

Low Operating Costs

Low pressure loss for efficient pumping. Swells up to 10% above uncharged diameter at maximum operating pressure enabling fluids to be pumped further.

Long Service Life

Designed for long life and maintenance free service in even the harshest environments. Tough and durable with exceptional resistance to abrasion and cutting.

No corrosion or scaling. Resistant to heat, fuels, chemicals, UV, ozone, weathering, hydrolysis, and microbiological attack.

Static Discharge Wires

Low resistance metal wires are woven into the body of the hose allowing couplings to be electrically bonded when transferring fuels.

Features unique “through-the-weave” one piece construction comprising a circular woven high tenacity polyester reinforcement totally encapsulated in a tough elastomeric polyurethane cover and lining.

Manufactured in compliance with BS EN ISO 9001:2008 quality management systems. Raw materials, components, and finished products are rigorously tested and inspected to ensure excellent product reliability.

Wide range of couplings, manifolds, and hardware available for connecting the pipeline to additional segments, fluid supplies, or auxiliary hardware.

Typical Applications

■ Refineries & Chemical Plants

Pipeline Bypass
Ship to Shore Unloading
Tank Clearing
Tank-to-Tank Transfer

■ Marine

Refuelling Ships
Cargo Loading/Unloading
Pollution Control and Clean-Up
Salvage Pumping

■ Industrial

Home Fuel Delivery
Loading/Unloading Rail Car
Aircraft Refuelling
Inert Gas Handling
Dry Powder Handling

■ Military

Aircraft Refuelling
Bulk Fuel Transfer

Nominal Technical Specification								
Diameter	inch mm	1½ 38	1¾ 45	2 51	2½ 63.5	3 76	4 102	6 152
Standard colour*		Green	Green	Green	Green	Green	Green	Green
Wall thickness	mm	1.8	1.8	2.1	2.1	2.3	2.6	3.3
Maximum continuous length	m	200	200	200	200	200	200	200
Weight**	kg/m	0.23	0.28	0.36	0.47	0.59	0.91	1.70
Coil diameter**	m/30m	0.43	0.45	0.44	0.46	0.49	0.63	0.69
Minimum short length burst pressure	bar	42	42	42	42	42	42	42
Maximum working pressure***	bar	10	10	10	10	10	10	10
Operational temperature range	°C	-50 to +80 depending on fluid being pumped						

* NATO green available for military applications.

** Excluding couplings.

*** Or maximum working pressure of attached coupling, whichever is the lower.

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Chemical Resistance Data



Fluid has little or no effect	Acetic Acid 20% Ammonium Chloride Solutions Ammonium Hydroxide Solutions ASTM Oil No 1 (300°F) (149°C) ASTM Oil No 3 (300°F) (149°C) ASTM Reference Fuel A (158°F) (70°C) ASTM Reference Fuel B (158°F) (70°C) AVTUR Beer Borax Solutions Boric Acid Solutions Butane Calcium Chloride Solutions Calcium Hydroxide Solutions	Calcium Hypochlorite, 5% Carbon Dioxide Carbon Monoxide Castor Oil Citric Acid Solutions Copper Chloride Solutions Copper Sulphate Solutions Cottonseed Oil Ferric Chloride Solutions FREON 12 FREON 114 Gasoline Glycerin Hydrogen	Isooctane Isopropyl Alcohol JP8 Jet Fuel Lubricating Oils Magnesium Chloride Solutions Magnesium Hydroxide Solutions Mercury Mineral Oil Palmitic Acid Potassium Dichromate Solutions Potassium Hydroxide Solutions SAE 10 Oil Sea Water Silicone Grease	Soap Solutions Sodium Chloride Solutions Sodium Hydroxide 20% Stannous Chloride 15% Stearic Acid Sulphuric Acid, up to 50% Tannic Acid, 10% Tartaric Acid Trisodium Phosphate Solution Water (158°F) (70°C) Zinc Chloride Solutions
Fluid has minor to moderate effect	Acetic Acid 30% Acetylene Amyl Alcohol ASTM Reference Fuel C Asphalt Carbon Bisulfide Cyclohexane	Ethyl Alcohol Ethyl Chloride Ethylene Dichloride Ethylene Glycol Formic Acid FREON 11 FREON 113 (130°F) (55°C)	n-Hexane Hydrogen Sulphide Linseed Oil Methyl Alcohol Naphthalene Nitric Acid, 10% PYDRAUL 312	SKYDROL 500B Sodium Hypochlorite, 5% Soybean Oil Steam (212°F) (100°C) Steam (230°F) (110°C) Tung Oil Xylene
Fluid has severe effect	Acetic Acid, Glacial Acetone Amyl Acetate Aniline ASTM Reference Fuel C (158°F) (70°C) Benzene Butyl Acetate Carbon Tetrachloride Chloroacetic Acid	Chlorobenzene Chloroform Chlorosulphonic Acid Dibutyl Phthalate Ethyl Acetate Hydrazine Hydrochloric Acid, 20% Hydrochloric Acid, 37% Methyl Ethyl Ketone	Methylene Chloride Naphtha Nitric Acid, 30% Nitric Acid, 60% Nitric Acid, 70% Nitric Acid, Red Fuming Nitrobenzene Perchloroethylene Phenol	Sodium Hydroxide, 46.1% Sulphur, Molten Sulphuric Acid, above 50% Sulphuric Acid, Fuming (20% Oleum) Sulphurous Acid Tetrahydrofuran Toluene Trichloroethylene Triethanolamine
No data. Likely to have minor effect	Acetic Anhydride Aluminium Chloride Solutions Aluminium Sulphate Solutions Ammonium Sulphate Solutions	Diethyl Sebacate Diocyl Phthalate Epichlorohydrin Fluorosilicic Acid	Hydrocyanic Acid Kerosene Lactic Acid Mercuric Chloride Solutions	Oleic Acid Sodium Dichromate 20% Sulphur Dioxide, Liquid Sulphur Dioxide, Gas
No data. Likely to have severe effect	Bromine, Anhydrous Liquid Chlorine Gas, Dry Chlorine Gas, Wet Ethylene Oxide	Formaldehyde, 40% Hydrofluoric Acid, 48% Hydrofluoric Acid, 75% Hydrofluoric Acid, Anhydrous	Lacquer Solvents Pickling Solution (20% Nitric Acid, 4% HF) Pickling Solution	(17% Nitric Acid, 4% HF) Pyridine Styrene

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