Chemicoil 600

Fuel & Chemical Delivery Hose

- Fast flexible deployment and retrieval
- Safe operation including static discharge wires
- Lower operating costs than rigid hose
- AS 2117 Type 4 Grade 1



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 manual or power driven reels.

Low Operating Costs

Low pressure loss for efficient pumping. Swells up to 10% 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.

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 9001quality 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
  Ship to shore 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
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						

** 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%	Calcium Hypochlorite, 5%	Isooctane	Soap Solutions
Ammonium Chloride Solutions	Carbon Dioxide	Isopropyl Alcohol	Sodium Chloride Solutions
Ammonium Hydroxide Solutions	Carbon Monoxide	JP8 Jet Fuel	Sodium Hydroxide 20%
ASTM Oil No 1 (300°F) (149°C)	Castor Oil	Lubricating Oils	Stannous Chloride 15%
ASTM Oil No 3 (300°F) (149°C)	Citric Acid Solutions	Magnesium Chloride Solutions	Stearic Acid'
ASTM Reference Fuel A (158°F) (70°C)	Copper Chloride Solutions	Magnesium Hydroxide Solutions	Sulphuric Acid, up to 50%
ASTM Reference Fuel B (158°F) (70°C)	Copper Sulphate Solutions	Mercury	Tannic Acid, 10%
AVTUR	Cottonseed Oil	Mineral Oil	Tartaric Acid
Beer	Ferric Chloride Solutions	Palmitic Acid	Trisodium Phosphate Solution
Borax Solutions	FREON 12	Potassium Dichromate Solutions	Water (158°F) (70°C)
Boric Acid Solutions	FREON 114	Potassium Hydroxide Solutions	Zinc Chloride Solutions
Butane	Gasoline	SAE 10 Oil	
Calcium Chloride Solutions	Glycerin	Sea Water	
Calcium Hydroxide Solutions	Hydrogen	Silicone Grease	

Fluid has minor to moderate effect			
Acetic Acid 30%	Ethyl Alcohol	n-Hexane	SKYDROL 500B
Acetylene	Ethyl Chloride	Hydrogen Sulphide	Sodium Hypochlorite,5%
Amyl Alcohol	Ethylene Dichloride	Linseed Oil	Soybean Oil
ASTM Reference Fuel C	Ethylene Glycol	Methyl Alcohol	Steam (212°F) (100°C)
Asphalt	Formic Acid	Naphthalene	Steam (230°F) (110°C)
Carbon Bisulfide	FREON 11	Nitric Acid, 10%	Tung Oil
Cyclohexane	FREON 113 (130°F) (55°C)	PYDRAUL 312	Xylene

Fluid has severe effect			
Acetic Acid, Glacial	Chlorobenzene	Methylene Chloride	Sodium Hydroxide, 46'1,%
Acetone	Chloroform	Naphtha	Sulphur, Molten
Amyl Acetate	Chlorosulphonic Acid	Nitric Acid, 30%	Sulphuric Acid, above 50%
Aniline	Dibutyl Phthalate	Nitric Acid, 60%	Sulphuric Acid, Fuming (20% Oleum)
ASTM Reference Fuel C (158°F) (70°C)	Ethyl Acetate	Nitric Acid, 70%	Sulphurous Acid
Benzene	Hydrazine	Nitric Acid, Red Fuming	Tetrahydrofuran
Butyl Acetate	Hydrochloric Acid, 20%	Nitrobenzene	Toluene
Carbon Tetrachloride	Hydrochloric Acid, 37%	Perchloroethylene	Trichloroethylene
Chloroacetic Acid	Methyl Ethyl Ketone	Phenol	Triethanolamine

No data. Likely to have minor effect			
Acetic Anhydride	Diethyl Sebacate	Hydrocyanic Acid	Oleic Acid
Aluminium Chloride Solutions	Dioclyl Phthalate	Kerosene	Sodium Dichtromate 20%
Aluminium Sulphate Solutions	Epichlorohydrin	Lactic Acid	Sulphur Dioxide, Liquid
Ammonium Sulphate Solutions	Fuorosilicic Acid	Mercuric Chloride Solutions	Sulphur Dioxide, Gas

No data. Likely to have severe effect			
Bromine, Anhydrous Liquid	Formaldehyde, 40%	Lacquer Solvents	(17% Nitric Acid, 4% HF)
Chlorine Gas, Dry	Hydroflouric Acid, 48%	Pickling Solution	Pyridine
Chlorine Gas, Wet	Hydroflouric Acid, 75%	(20% Nitric Acid, 4% HF)	Styrene
Ethylene Oxide	Hydroflouric Acid, Anhydrous	Pickling Solution	