

SECTION 1

FLUID TRANSFER

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FLOWFIT

HF10 FILTRATION UNIT



The HF10 range of trolleys is the ideal tool for decontaminating oil by removing suspended particles either by flushing or continuous cleaning. It is well suited for pre-filtering and transfer of fluids as well as removing water from hydraulic systems (Optional water removal filter required)

BENEFITS

Reduces maintenance costs and down time through regular use which extends the life of the oil which ultimately helps the environment as well as costs through improved productivity and reduced oil dispersal.

TECHNICAL FEATURES

Wheeled tubular support with anti-corrosion treatment and paint finish for outdoor use.
Easy to use with a powerful electric pump and self-priming vane pump equipped with a bypass safety system.
Self ventilated IP55 induction motor with thermal protection and cut-off switch.
Interchangeable cartridge filter to allow different elements for filtration of copper, metal and sand complete with manometer to signal filter clogging.
Helically wound transparent suction and output tubing.

TECHNICAL DATA

Flowrate of 25l/min on 110v and 240v with the 450v version giving up to 40 l/min.
Power rate 750 watts 0.75 kW.
Speed 1450 rpm.
Operating temperature Min -10 degree Celsius to Max +40 degrees Celsius.
Relative humidity Max 90%.
Viscosity 20 – 50 cSt.
Fluid permitted – Hydraulic oil, engine oil and diesel.
Fluids not permitted – Gasoline, benzine, inflammable liquids with fp < 55 degrees Celsius, water, solvents and liquid food products.
Maximum oil pump capacity of 4 metres @ 30 cSt.
2.5m x 20mm diameter Return line tube, pvc spiral, with a 0.5m metal tube on end.
2m x 20mm diameter suction line tube, pvc spiral, complete with metal wire filter strainer.

TECHNICAL DIMENSIONS

Height 660mm, Width 310mm, Depth 400mm,
Weight from 21kg

ORDER CODE	FLOW RATE	FILTRATION	VOLTAGE	PRICE
HF10	25 L/Min	10 Micron Paper	240	£ 1152.62
HF10110V	25 L/Min	10 Micron Paper	110	£ 1211.27
HF10415V	40 L/Min	10 Micron Paper	415	£ 1240.00

ELEMENTS	DESCRIPTION	PRICE
A110G03	3 Micron Absolute Fibreglass	£ 59.09
A110G06	6 Micron Absolute Fibreglass	£ 60.09
A110G10	10 Micron Absolute Fibreglass	£ 51.46
A110G25	25 Micron Absolute Fibreglass	£ 55.31
A110C10	10 Micron Nominal Paper	£ 26.06
A110C25	25 Micron Nominal Paper	£ 24.45
A110CW10	10 Micron Water Removal	£ 76.21
A110T60	60 Micron Nominal Wiremesh	£ 56.19
A110T90	90 Micron Nominal Wiremesh	£ 59.10
A110T125	125 Micron Nominal Wiremesh	£ 50.36

SUPER DELUXE PORTABLE FILTRATION UNIT



The super deluxe portable filtration unit offers flow rates up to 75 l/min with filtration levels available from 3 micron up to 25 micron on return and 25 micron up to 125 micron on suction.

BENEFITS

Compact lightweight construction comprising of a sturdy steel frame.
Flow rates up to 75 l/min.
Maximum dirt holding capacity elements.
Available with filters from 3 micron up to 125 micron.
Elements available for water removal.

TECHNICAL DATA

0.75 kw electric motor complete with 5 metre power cable and electric control box.
Visual contamination indicators.
3 Metre wire reinforced suction and discharge hose.0.75 metre dip tubes with easy access stowage points.
Fitted with standard buna nitrile seals (max temp 90 degree Celsius).
Viton seals up to 110 degrees Celsius available on request.
Viscosity range 7-750 cSt.
Oil lift pumping capacity to height of 2 metres @ 30 cSt
Heavy duty trolley and wheels.

ORDER CODE	FLOW	VOLTAGE	KW	INLET FILTER	OUTLET FILTER	LIST PRICE
HFT620-2-2-MS060-SP010-B	25 L/Min	240Vac	0.8	60 Micron Wiremesh	10 Micron Paper	£ 1911.71
HFT620-2-4-MS060-SP010-B	25 L/Min	415Vac	0.8	60 Micron Wiremesh	10 Micron Paper	£ 1917.70
HFT620-5-2-MS060-SP010-B	50 L/Min	240Vac	0.8	60 Micron Wiremesh	10 Micron Paper	£ 1967.72
HFT620-5-4-MS060-SP010-B	50 L/Min	415Vac	0.8	60 Micron Wiremesh	10 Micron Paper	£ 1967.72
HFT620-7-2-MS060-SP010-B	75 L/Min	240Vac	1.1	60 Micron Wiremesh	10 Micron Paper	£ 2184.52
HFT620-7-4-MS060-SP010-B	75 L/Min	415Vac	1.1	60 Micron Wiremesh	10 Micron Paper	£ 2001.09

VISCOMAT OIL TRANSFER PUMPS



The viscomat range is a family of internal profile or vane gear pumps designed to give an effective solution for the various requirements of pumping oil and lubricants. Common features are quiet operation, regularity of flow due to the absence of pulsations, the ability to function with the delivery closed as a result of an incorporated bypass, high suction capacity and a compact design.

CONSTRUCTION

Asynchronous, closed, self ventilating, ac motor (protection IP55) available in various voltages and frequencies, die cast aluminium pump body, by-pass integrated into the pump body, 1" female inlet/outlet ports.

VISCOSITY

Viscomats 70 and 90 (Vane type) up to 500 cSt
Viscomats 200/230 (Gear type) up to 2000 cSt

ORDER CODE	FLOW RATE	PRESSURE	MOTOR SINGLE PHASE	MOTOR 3 PHASE	RPM	POWER WATT	WEIGHT	PRICE
VISCOMAT70230V	25 L/Min	6 bar	230v 50 Hz	-	1450	750	14.1kg	£738.43
VISCOMAT70400V	25 L/Min	6 bar	-	400v 50Hz	1450	750	14.1kg	£738.10
VISCOMAT70110V	25 L/Min	6 bar	110v 50 Hz	-	1450	1200	14.1kg	£930.18
VISCOMAT90400V	50 L/Min	5 bar	-	400v 50Hz	1450	2000	14.1kg	£835.22
VISCOMAT200230V	9 L/Min	12 bar	230v 50 Hz	-	1450	550	9kg	£821.98
VISCOMAT200400V	9 L/Min	12 bar	-	400v 50Hz	1450	550	9kg	£821.98
VISCOMAT200110V	9 L/Min	12 bar	110v 60Hz	-	1730	950	9kg	£916.71
VISCOMAT230230V	14 L/Min	12 bar	230v 50 Hz	-	1450	750	12.5kg	£1015.69
VISCOMAT230400V	14 L/Min	12 bar	-	400v 50Hz	1450	750	12.5kg	£1015.69

DC PUMPS VISCOMAT DC



A range of pumps for the transferring and delivery of oil by direct current which allows the task to be performed where electricity or pneumatic connections are not available hence allowing oil transfer and handling operations in yards, ports, on vehicles or boats.

SPECIFICATION

Gear pump type
High pressure
Direct current brush motor with brush magnets.
Aluminium pump body

Sintered steel gears

Threaded entry and exit connectors

Bypass valve incorporated in pump body

Protection motor IP55

PERFORMANCE

Flow rate from 4 to 10 L/min
Operating pressure 4 to 10 bar
Oil viscosity upto 2000cSt
Duty cycle 30 mins
Noise level less than 65DB

ORDER CODE	DESCRIPTION	RATE	BAR	OUTLET	VOLTAGE	AMPS	CYCLE	WEIGHT	PRICE
F00309020	DC60/1 12V	4 L/Min	5	1/2"	12	16	30mins	3kg	£501.93
F00309010	60/2 12V	10 L/Min	4	3/4"	12	35	30mins	4.9kg	£555.54
F00309000	DC120/1 12V	5 L/Min	10	1/2"	12	25	30mins	4.9kg	£556.14
F00310020	60/1 24V	4 L/Min	5	1/2"	24	9	30mins	3kg	£501.11
F00310010	60/2 24V	10 L/Min	4	3/4"	24	18	30mins	4.9kg	£591.19
F00310000	120/1 24V	5 L/Min	10	1/2"	24	12	30mins	4.9kg	£556.18

HAND OPERATED PUMPS FOR OIL DRUMS



ROTARY VANE TYPE

Manual action pumps suitable for transferring fluids listed. Characterised by ease of installation, simplicity of operation, dependability and economy.

Construction available in cast alloy or cast iron • 250cm³/cycle • Rigid 1 metre suction pipe with 2" drum connector.
Capable of flow rates up to approx 25 l/min.

ORDER CODE	CONSTRUCTION	CYCLE	FLOWRATE	DIESEL	OIL	RAPS OIL	PETROL	PRICE
332000	Cast Alloy	350cm ³	25 L/Min	YES	YES	YES	YES	£103.18
CTS2001	Cast Iron	350cm ³	25 L/Min	YES	YES	NO	NO	£54.49



DOUBLE ACTING SEMI-ROTARY HAND PUMPS

Manual action pumps suitable for transferring fluids listed. Characterised by ease of installation, simplicity of operation, dependability and economy.

Construction in cast Iron with wooden spindled handle • Flanged fittings on both sides.
Available upon request in other sizes up to 2" • Capable of flow rates up to approx 25 l/min.

ORDER CODE	CONSTRUCTION	FLANGE SIZE	FLOWRATE	DIESEL	PRICE
CTS5010	Cast Iron	1/2" BSP	25 L/Min	YES	£107.66
CTS5011	Cast Iron	3/4" BSP	25 L/Min	YES	£116.63
CTS5000	Cast Iron	1" BSP	25 L/Min	YES	£145.07



LEVER OPERATED TRANSFER PUMP

Manual lever operated transfer pumps designed for the fast movement of lubricants, oils and diesels.

Construction in Aluminium • 2" drum connectors • Capable of flows up to approx 25 l/min

ORDER CODE	CONSTRUCTION	CONNECTOR	FLOWRATE	DIESEL	OIL	PRICE
CTS2000	Aluminium	2"	25 L/Min	YES	YES	£49.34

CLEAN OIL TRANSFER SYSTEMS 12v



The oil transfer system unit is designed for transferring of oils where you are located with out the need for mains power or compressed air. This is achieved through the built-in battery and charger. The battery must be recharged after transferring approx 2-3 drums of oil.

PERFORMANCE

Flow rate 6 L/min
Noise levels less than 65 DB
Motor supply 12vdc
Oil viscosity from 10 to 2000 cSt
On demand dispensing with pressure switch
Flow meter (Item 2 only) with precision of +/- 0.5%

SPECIFICATIONS

Tubular structure trailer mounted support for moving drums,
Complete with nozzle support, pipe support and drip collector.
Self priming pump with DC motor, 12vdc
Protection Rating IP55
3/4" gas suction pipe with filter.
3 Metre long 5/8" gas delivery pipe.
Delivery nozzle with flexible end and non-drip valve. Item 2 comes with meter.
Pressure switch with incorporated safety valve.
Battery with battery charger.

OPTIONAL EXTRAS

Flow meters with oval gears

ORDER CODE	FLOW RATE	VOLTAGE	PRESSURE SWITCH	FLUID	METER	VISCOSITY	PRICE
VISCOTROLL 120/1 DC pst	6 L/Min	12 DC	YES	OIL	NO	Up to 2000cSt	£2624.71
VISCOTROLL 120/1 DC pst K400	6 L/Min	12 DC	YES	OIL	YES	Up to 2000cSt	£3144.52

CLEAN OIL TRANSFER SYSTEMS 240v



This unit is designed for transferring of oils within the workshop environment as it is powered by 230v electricity.

PERFORMANCE

Flow rate 25 L/min
Operating pressure 6-12 bar
Noise levels less than 65 DB
Oil viscosity from 10 to 2000 cSt

SPECIFICATIONS

Tubular structure trailer mounted support for moving drums,
Complete with nozzle support, pipe

support and drip collector.
Self priming pump with AC asynchronous motor, self-ventilating closed (ProtectionRating IP55) at 230v
1" gas suction pipe with standing valve and filter.
4 Metre long 2" gas delivery pipe.
Delivery nozzle with flexible end and automatic non-drip valve.

OPTIONAL EXTRAS

Flow meters.
Pressure switch with incorporated safety valve.
Viscosity of 2000cSt on a 9 l/min version.

ORDER CODE	FLOW RATE	VOLTAGE	POWER KW	FLUID	METER	VISCOSITY	PRICE
VISCOTROLL 70	25 L/Min	230	0.75	OIL	NO	Up to 500cSt	£1336.75
VISCOTROLL 70/K33	25 L/Min	230	0.75	OIL	YES	Up to 500cSt	£1634.91

DRUM AND TANK TRANSFER UNITS



This range has been developed for the easy connection to tanks and drums and offers a simple and efficient solution for transferring or dispensing of fluids.

Optional extras are available on some models for flow metres to control the amount of fluid to disperse or to limit the users consumption.

A variety of motor voltages and flow rates are clearly shown in the table below.

The unit comes with a suction tube for direct connection to your tank or drum and a nozzle holder placed near the pump to ensure clean and easy operation.

Standard hose delivery length is 4 metres.

Unit suitable for diesel, oil and raps oil as shown in table below.

ORDER CODE	VOLTAGE	FLOWRATE	HOSE LENGTH	HOSE SIZE	WEIGHT	METER	FLUIDS	PRICE
DRUMVCT70	230	28 L/Min	4m	3/4"	18 kg	No	Oil & Raps Oil	£761.28
DRUMVCT200	230	9 L/Min	4m	1/2"	18 kg	No	Oil	£766.66
DRUMVCT70K33	230	25 L/Min	4m	3/4"	19 kg	Yes	Oil & Raps Oil	£1061.51
DRUM20001260	12	38 L/Min	4m	3/4"	10 kg	No	Diesel	£964.44
DRUM20002460	24	38 L/Min	4m	3/4"	10 kg	No	Diesel	£964.44
DRUMB112120	12	80 L/Min	4m	1"	18 kg	No	Diesel	£1363.67
DRUMB124120	24	80 L/Min	4m	1"	18 kg	No	Diesel	£1363.67

MECHANICAL FLOW METERS



This range of nutating-disk meters measure the exact quantity of fuel or lubricants that have been dispensed. They have been designed strictly for non commercial use and are very reliable, inexpensive, easy to install and simple to calibrate within the work place.

PERFORMANCE

Flow rate 20-120 L/min.
Precision +/- 1% of flow range after calibration.
Max Operating pressure 10 bar (142 psi).
Bursting pressure 30 bar (426 psi).
Resolution 0.1 litres.
Readout as follows:-
K33 - 3 digit subtotals (Max 999 litres) 6 digit totals.

K44 - 4 digit subtotals (Max 9999 litres) 7 digit totals.

SPECIFICATIONS

Aluminium metering chamber with polybutylene nutating disk.
1" G inlet, 1" g outlet, in line.
The top plate can be rotated to allow flow from either position.
Mechanical readout device with

rotating wheels.
Subtotals can be set to zero, total readout cannot be reset.
Available with litre or gallon readouts.

OPTIONAL EXTRAS

A pulser model is available upon request for connection to a fuel management system.

ORDER CODE	FLOW RATE L/MIN	MAX OPERATING PRESSURE	IN/OUT CONNECTIONS	WEIGHT	SUITABLE FOR DIESEL	SUITABLE FOR OIL	SUITABLE FOR RAPS OIL	PRICE
K33 diesel	20-120	230	1"	2kg	YES	NO	NO	£282.60
K33	20-120	230	1"	2kg	NO	YES	YES	£282.60
K44 diesel	20-120	230	1"	2kg	YES	NO	NO	£367.83
K44	20-120	230	1"	2kg	NO	YES	YES	£367.83

SELF 3000 NOZZLES



Manual nozzles have been designed to satisfy the need of safety, ease of handling and efficiency. The nozzles are manufactured with a resistant aluminium body enclosed in an anti-shock plastic shell which increases the nozzles ease of handling by making the grip comfortable even when working at low temperatures. The integrated swivel connector, and the hammer free valve inside it, guarantees a high degree of safety. The low loss of head, given the conformation of the valve, allows it to function at upto 150 L/min.

CTS CODE	DESCRIPTION	FLOW	BAR	PRICE
650000	Self 3000 Nozzle	Upto 150l/min	Upto 10	£49.34