

# PROTECTOR 2000 – PORTABLE FILTRATION UNIT

*Designed to transfer mineral based oils and fluids*



## PROTECTION FROM CONTAMINATION

With over 80% of hydraulic failures directly attributable to oil contamination, UCC's Portable Filtration Unit has been aptly named and specifically designed to help users, engineers and service managers protect systems by ensuring only clean, filtered oil is transferred in.

Protector 2000 has been developed to appeal to a range of users on several levels as a pump/motor/filter combination designed to transfer mineral based oils and fluids.

Lightweight and completely portable, the Protector 2000 utilizes the proven Maxiflow 10 or 25 micron Absolute elements to protect the system from fluid contamination and clean up the system, if used regularly, to reduce contamination to an acceptable level.

Protector 2000 features include 2 metre clear, reinforced PVC hoses to give a visual flow check, a 12 litres per minute flow rate and a viscosity range of 5 to 500 cSt.

## NO NEED TO PRIME THE PUMP

An important feature of the Protector 2000 is its tested and confirmed oil lift capability. Nominally set at 3 metres.

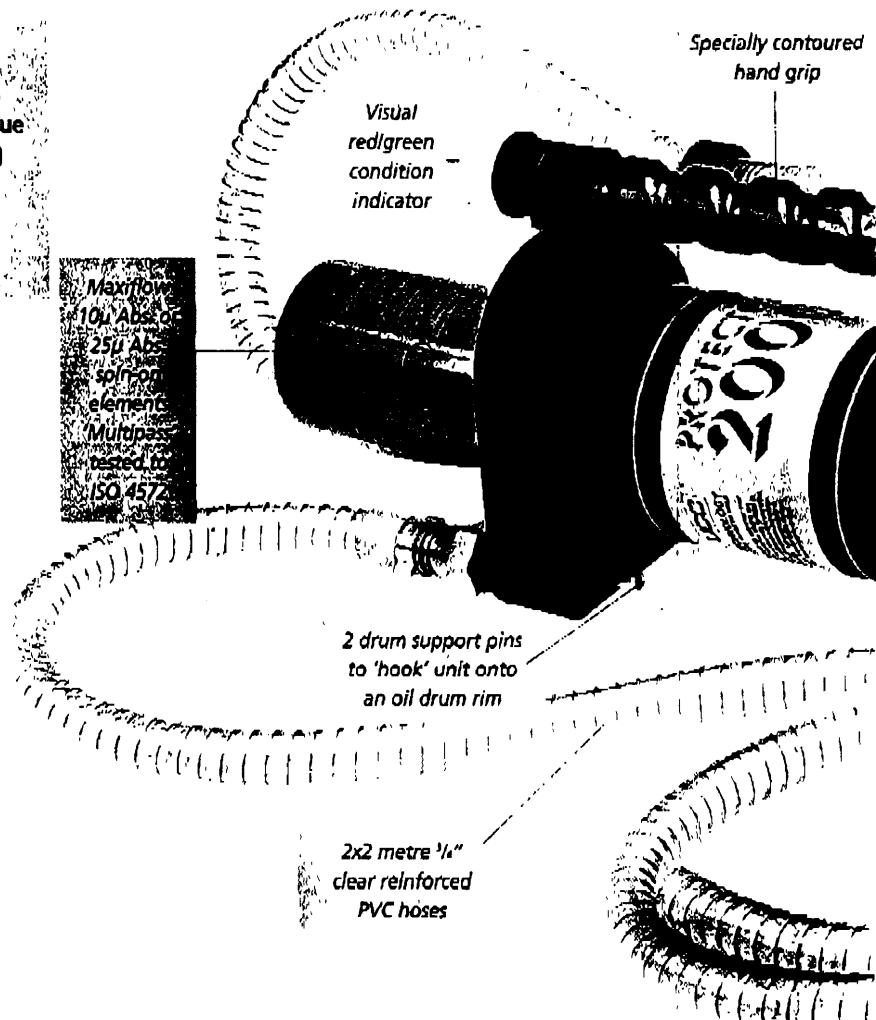
Even if used in an open system and left overnight to allow the oil to drain back, once the unit is activated it will 'lift' the oil and operate normally without the need to prime the pump.

## A FILTER FOR 24HR PROTECTION

Having ensured only clean oil is transferred into the system, keeping it clean can be best resolved by utilizing UCC's unique Multiflow Offline Filter. On-board microprocessors give total control, give 24 hour system protection, dramatically reduce system running costs and extend oil life.

For details of the Multiflow Offline, consult UCC.

The Protector 2000 is designed for ease of use and includes an integral red/green filter condition indicator (see photo detail) to provide a visual guide to the condition of the Maxiflow element. Additionally, thought has been given to the ease and safety of carrying the Protector 2000 and a specially designed handgrip has been incorporated (see photo detail below).



## Now there's a lightweight solution to oil transfer

Weighing in at only 9.5 kg (the ac models are slightly heavier) the Protector 2000 is not only a lightweight solution to oil transfer, it's an environmental solution as well. Even where a considerable oil lift height or difficult access is

required to fill or top up a system reservoir, the Protector 2000 will transfer oil cleanly and quickly – nominally 12 litres per minute.

Operating the Protector 2000 couldn't be simpler. Once connected to the appropriate power supply, the flick of a single on/off switch is all that is required to start the unit.

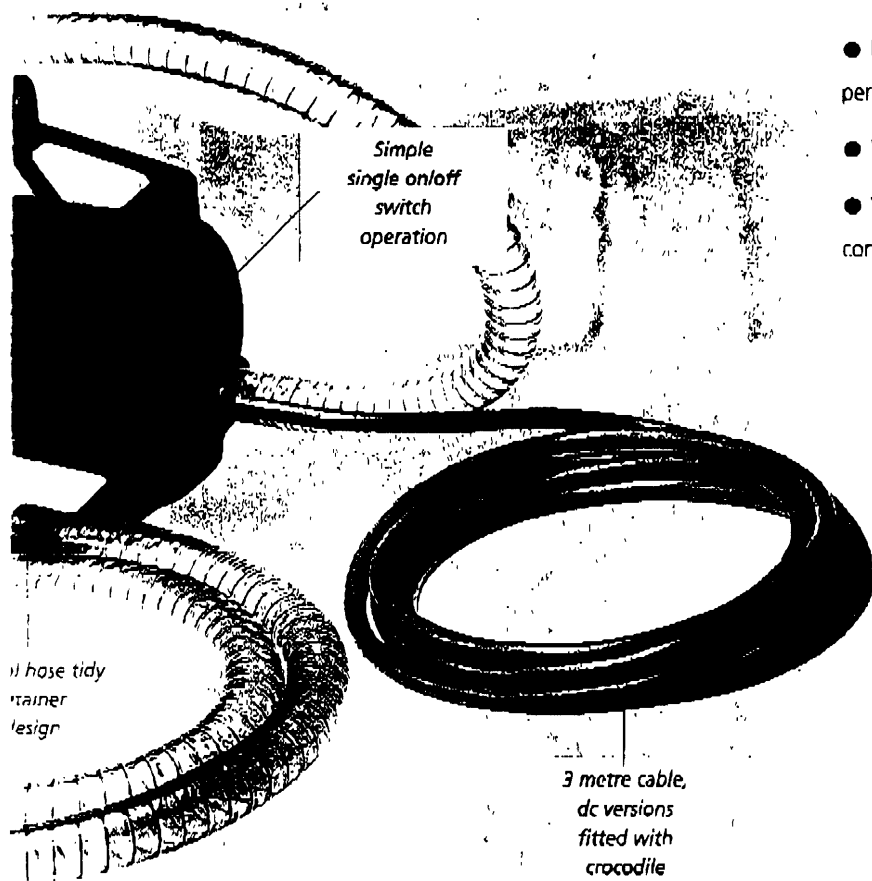
### PROTECTOR 2000 FEATURES

- Lightweight design – 9.5 kg for the dc model.
- Complete portability for field or service bay application.
- Oil lifting head tested to 3 metres.
- Flow rate nominally 12 litres per minute.
- Viscosity range 5–500 cSt.
- Visual red/green element condition indicator.
- Proven 10 or 25 micron Absolute Maxiflow elements.
- Oil drum rim support pins integrated into the design.
- Built-in relief valve with no downstream bypass.
- Clear, reinforced 2 metre long hoses, indicated for flow direction.
- An integral strainer is fitted as standard to the inlet hose.
- Special hose retainer design to facilitate easy handling.
- Heavy duty motor options – 12Vdc, 24Vdc, 110Vac, 240Vac.
- Fitted with overload protection for continuous use.
- Special hard grip design.

*Specially designed hose retainers have been incorporated to facilitate easy handling and stowage (see photo detail below)*



*3 metre cable, dc versions fitted with crocodile clips*



*Hose tidy retainer design*

# PROTECTOR 2000 - PORTABLE FILTRATION UNIT

## Specifications and Ordering Information

### SPECIFICATIONS

**Construction:** Compact design, aluminium pump bodies fitted with gears. Compact AC and DC motors bolted to pump, encased in plastic extruded housing (ABS).

**Operating Temperature (Ambient Air):** -10°C to 40°C.

**Oil Temperature:** 60°C maximum.

**Fluid Compatibility:** Mineral based fluids.

**Flow rate:** Nominally 12 L/min @ 30 cSt.

**Viscosity Range:** 5 to 500 centistokes.

**Oil Lift:** Oil suction capability tested up to 1.5 metres. Pumping capability to a total height of 3 metres. 30 cSt Ambient conditions applied.

**Filter:** To use existing MXR.8550 (10micron) and 1518.4.10 (25micron) UCC Maxiflow filters.

**Electronic Motor:** 12Vdc, 24Vdc, 110Vac, 220/240 Vac.

**Electrical Connection:** DC versions - crocodile clips with 3m cable (2 core). AC versions - 3m cable with flying leads (no plug).

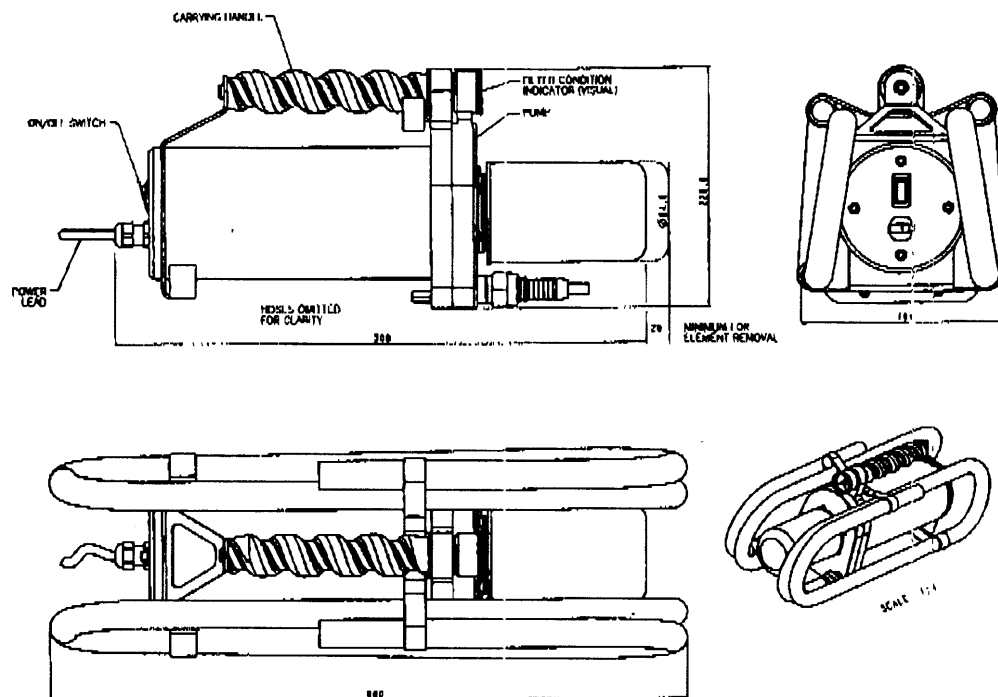
**Electrical Switching:** Single pole switch used for On/Off.

**Hoses:** Clear reinforced PVC 3/4" ID bore with 3/4" BSP female fittings (pump end only). Strainer fitted in inlet hose. Flow direction marked on hoses. Hose length 2 metres. Hose temp. range -10°C to +60°C.

**Weight:** dc versions - 9.5 kg  
ac versions - 13 kg

**Standards:**

CE



### 10µ Abs. Filtration

Part No.	Description	Replacement Element
PRO-2101	12Vdc Protector 2000	MXR.8550
PRO-2201	24Vdc Protector 2000	
PRO-2301	110Vac Protector 2000	
PRO-2401	220/240vac Protector 2000	

### 25µ Abs. Filtration

Part No.	Description	Replacement Element
PRO-2100	12Vdc Protector 2000	MX-1518-4-10x4 (4 element pack)
PRO-2200	24Vdc Protector 2000	
PRO-2300	110Vac Protector 2000	
PRO-2400	220/240vac Protector 2000	



ISO 9001



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