

## PVR AND PVRH ROTARY OIL AND FUEL PUMPS

Thank you for purchasing a Macnaught PVR or PVRH Rotary oil pump.

The Macnaught rotary oil and fuel pump models PVR (pump only) and PVRH (complete with hose and dispensing nozzle) are designed to reliably dispense various types of Lubricating oils and fuels.

Macnaught also manufacture a complete range of retractable hose reels, oil dispensing nozzles, fuel pumps, positive displacement flowmeters, greasing equipment and a complete range of accessories.

### GENERAL INFORMATION

This manual assists you in operating and maintaining your new rotary oil pump. The information contained will help you ensure many years of dependable trouble free operation.

Please take a few moments to read through this manual before installing and operating your new rotary oil pump. If you require further assistance please contact your local Macnaught distributor.

### DESCRIPTION

The PVR & PVRH rotary pumps are designed to pump diesel fuel, petrol, mineral based engine oils and gear oils up to SAE90 viscosity, from 60 litre to 205 litre drums or tanks up 900mm deep.



### SAFETY INFORMATION

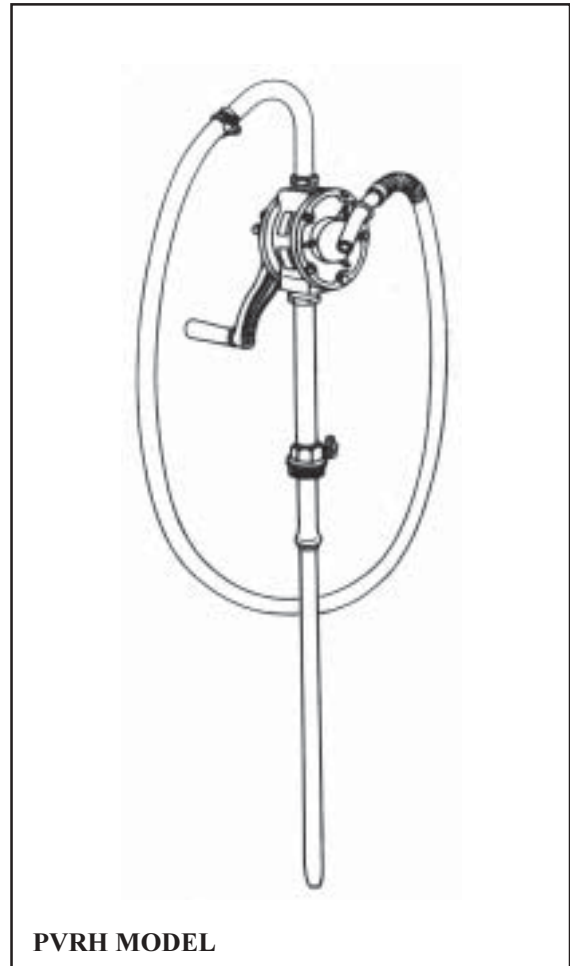
The following information is important for your safety when pumping flammable liquids.

**Precautions are necessary to minimise the build up of static electricity which could cause a spark and therefore an explosion.**

The storage drum or tank should be metal and should be grounded to earth.

#### Procedures for using the pump with a hose and nozzle.

1. Disconnect the hose from the pump and nozzle. Cut a length of heavy duty multi-strand copper electrical wire to the length of the hose plus 100mm. Run the copper wire up inside the hose.
2. Reconnect the nozzle to the hose ensuring the wire is in firm contact with clean metal on the nozzle in the area under the hose clamp.
3. Scrape the paint from a section of the pump outlet tube. Reconnect the hose to the pump ensuring the wire makes firm contact with the exposed metal in the area under the hose clamp.



**PVRH MODEL**

**NOTE:** Chemicals, solvents, or water will cause premature failure of seals, o'rings or other components.

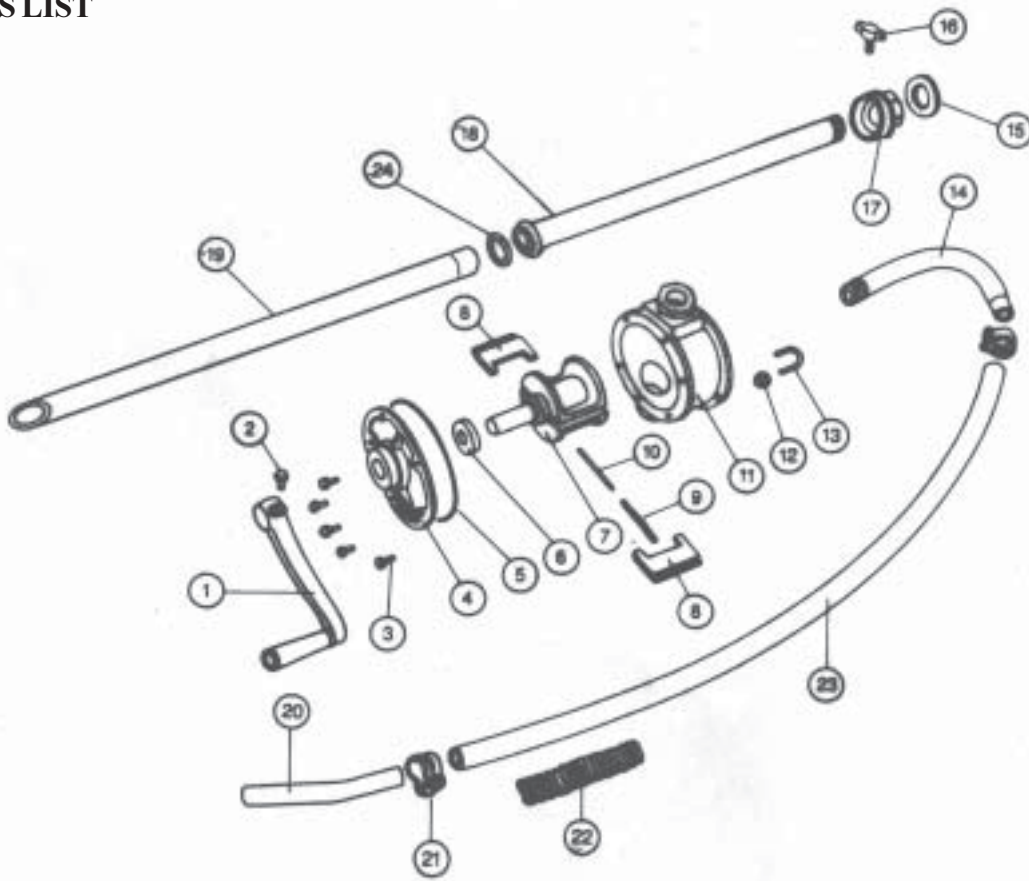
Apply suitable thread sealant (e.g. Teflon tape) to all male threads.

### PVR PUMP FEATURES:

- \* Precision, fully machined pressure die cast body for leak free operation.
- \* Telescopic Suction Tube.
- \* Light weight but strong.
- \* Approximately 20 litres/minute pumping diesel.
- \* Sliding 2" BSP bung adaptor.
- \* Rotary action, pumps both ways.
- \* Model PVRH complete with 1.8m (6ft) hose, nozzle and nozzle holder.

Optional VA Fuel Filter kit available (order VA-01), recommended for diesel fuel and petrol.

# PVR PARTS LIST



ORDER FOR REPLACEMENT						
ITEM	PART No.	No. off	PART or SET	KIT. REF	DESCRIPTION	
			PVR-1K (KIT A)		SEAL KIT	
			PVR 39s (KIT B)		COMPLETE HEAD ASSEMBLY	
1	VR 30	1	VR 30s		HANDLE ASSEMBLY	
2	N22	1				SET SCREW 5/16" B SW X 1/2"
3	N22	5	N22s incl 5 x N22	B	SET SCREW 5/16" B SW X 1/2"	
4	VR 31	1			B	FRONT PLATE
5	BS045	1	PVR 32s	A B	O'RING	
6	N614	1			A B	OIL SEAL
7	VR 32	1		B	ROTOR	
8	VR 33	2		B	VANE	
9	VR 34	1		B	VANE SPRING	
10	VR 9	1		B	SPRING SUPPORT	
11	VR 35	1	VR 35s incl VR 31, BS045, N614	B	BODY	
12	N255	1			B	RETAINER CLIP
13	VR 16	1		B	HOSE HANGER	
14	VR 36	1		B	OUTLET TUBE	
15	VR 11	1	VR 37s	A	RUBBER COVER	
16	VR 37	1				CLAMP SCREW
17	VR 38	1			BUNG ADAPTOR	
18	VR 44	1	VR 44s incl BS214V		SUCTION TUBE (UPPER)	
19	VR 45	1				SUCTION TUBE (LOWER)
20	AA91	1	AA92s		HOSE NOZZLE	
21	N369	2				HOSE CLAMP
22	AA95	1				HOSE SPRING
23	AA92	1				HOSE
24	BS214V	1			A	O'RING

\* Seal Kit PVR-1K  
# PVRH Model only

## WARRANTY

Macnaught Limited ("Macnaught") warrants that the products (except for hoses) will be free from any defects caused by faulty material or workmanship for a period of twelve (12) months from the date of sale of the products to the end user (the "warranty period") PROVIDED THAT, during the Warranty Period:

1. Macnaught receives notice setting out full details of any defect in any product and details of the time and place of purchase of the product; and
2. The enduser, at its own cost returns the product to the nearest authorised Macnaught Service Centre.

Macnaught shall, at its own option repair or replace any product found to be defective by its inspection or refund the price paid by the enduser for that product.

Macnaught's liability and the enduser's rights under this Warranty shall be limited to such repair, replacement or refund and in particular, shall not extend to any direct, special, indirect or consequential damage or losses of any nature.

NOTE: This warranty does not form part of, nor does it constitute, a contract between Macnaught and the enduser. It is additional to any warranty given by the seller of the products and does not exclude, limit, restrict or modify the rights and remedies conferred upon the enduser, or the liabilities imposed on the seller, by any statute or other laws in respect of the sale of the product.



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