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1470 Rotary Pump

Intended for use with:

Motor oils, engine oils, hydraulic oils, mineral oils, silicone oils, transmission oils and other lubricating oils up to SAE 90, heating oils, Gasoline, Diesel, Kerosene

Warning: Always ensure that pump body is earthed when pumping highly flammable liquids

Do not use with: Corrosive media, solvents, acids, alkalis etc

Specification

Suitable for use with 50 to 205 litre drums and tanks to a depth of 1.2 metres (4 feet).

Depth range of 335mm to 760mm with telescopic suction tube (e) and 765mm to 1245mm with both extension suction tube (d) and telescopic suction tube (e) fitted.

Dispenses 5 litres per 20 clockwise turns of the crank handle.

The pump can be primed from dry within 16 medium to fast turns of the crank handle. After initial priming the pump should re prime (after periods of none use) within 8 medium speed turns.

Should the pump not self prime pour 50ml of the fluid being pumped into the pump outlet. Rotate the pump crank handle counter-clockwise for a few turns, then pump normally until the pump starts dispensing.

Assembly

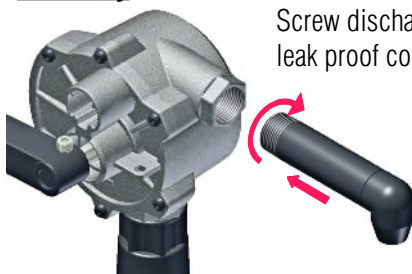


Fig 1

Screw discharge pipe and nozzle (c) to pump outlet. Use a thread sealant or sealing tape to ensure a leak proof connection. See Fig 1

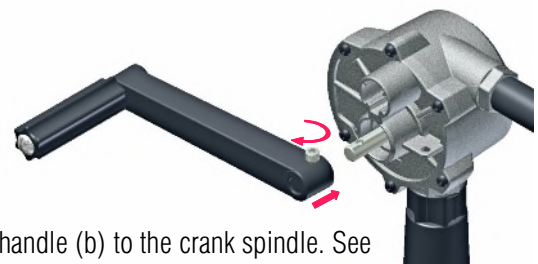


Fig 2

Using a suitable size allen key securely attach the crank handle (b) to the crank spindle. See Fig 2. Make sure that the screw locates in the depression in the crank spindle.

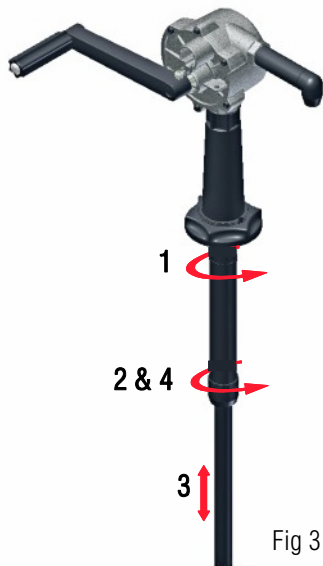


Fig 3

Depth of drum between 335mm and 760mm

- 1) Attach telescopic suction tube (e) to pump and screw in tightly to base of pump.
- 2) Slacken the locking nut to enable the inner suction tube to slide in and out.
- 3) Slide the inner suction tube either in or out until desired length is achieved.

Note: do not use fully extended but always close by 5 to 10mm to ensure a correct seal at the locking nut joint.

- 4) Fully tighten the locking nut.

Note: locking nut must be tightened to prevent air being drawn into the pump as the container empties

Carton Contents

- a) Pump body
- b) Crank handle
- c) Discharge pipe & nozzle
- d) Extension suction tube
- e) Telescopic suction tube



Depth of drum between 765mm and 1245mm

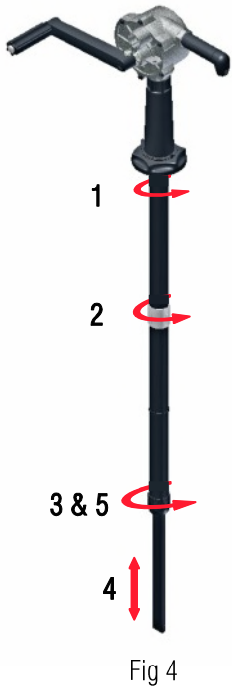


Fig 4

- 1) Attach extension suction tube (d) to pump and screw in tightly to base of pump.
- 2) Screw telescopic suction tube (e) into the sleeve at the base of the extension suction tube.
Note: Adjust position of sleeve until both o'rings are enclosed by the sleeve. See Fig 5
- 2) Slacken the locking nut on the telescopic suction tube to enable the inner suction tube to slide in and out.
- 3) Slide the inner suction tube either in or out until desired length is achieved.
Note: do not use fully extended but always close by 5 to 10mm to ensure a correct seal at the sleeve.
- 4) Fully tighten the locking nut.
Note: locking nut must be tightened to prevent air being drawn into the pump as the



Fig 5

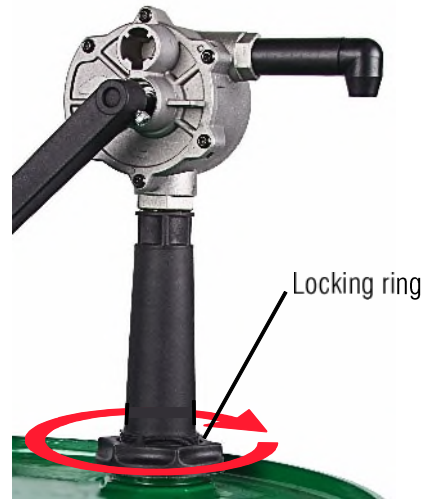


Fig 6

Screw the pump into the drum or tank by rotating the pump mount in a clockwise direction. See Fig 6
 The pump can be secured in any position desired and locked to the drum using the pump locking ring.

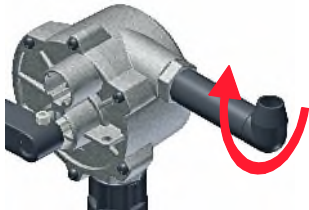


Fig 7

Non-drip position:

After use the nozzle of the discharge pipe can be rotated into an upward pointing direction to prevent loss of fluid due to drips. Do not turn crank handle when in this position. See Fig 7

Optional equipment:

This pump can be equipped with various hose kits and flow meters. Contact your supplier for details

Trouble shooting :

Problem

Pump does not dispense fluid

Causes

Pump is not able to create adequate suction

Remedy

Prime pump as detailed in Specification section
 Remove pump from container and check tighten all joints on the suction tube combination.

Leakage of fluid from the crankshaft or from between cover plate and pump body

Damaged seal due to use of fluid not suitable with this pump

Seal needs to be replaced.
 Contact supplier.

Materials in contact with fluid being dispensed:

Steel, Aluminium, Zinc, NBR, Polypropylene and Nylon. Always check compatibility of fluid before using the pump

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