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## PNY HAND CHEMICAL PUMP INSTRUCTION MANUAL

Please read and retain this instruction sheet to assist you in the operation and maintenance of this product.

Your new PNY hand chemical pump has been designed with dual threads (2" BSP, 4mm pitch Buttress) which will fit a wide variety of steel and plastic drums, from 60 to 210 Litre capacity. It delivers approximately 500ml on the down stroke of the handle and is recommended for fluids with a maximum viscosity of 250 centipoise (SAE 90) and a maximum temperature of 40 deg C.

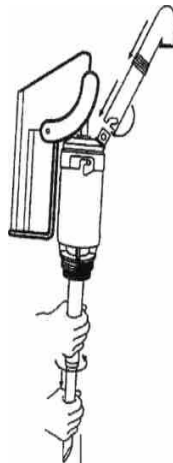
Before use please ensure the fluid is compatible with the pump, see chart on page 2, if in doubt contact your local Macnaught distributor.

The Wetted components of this pump are: Nylon 66, Viton and Polypropylene.

### Assembly

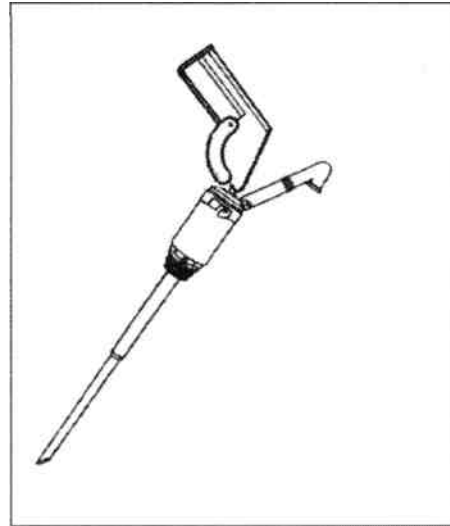
#### Outlet Tube Assembly

- A) Push either the long outlet tube or the 90 deg elbow fitting firmly onto the fluid outlet of the pump.
- B) Rotate the outlet pipe to lock



#### Suction Tube Assembly

- A) Extend the inner suction tube approximately 50mm
- B) Push the suction tube firmly into the fluid inlet of the pump.
- C) Twist the suction tube one way to ensure a friction seal.



- D) Extend the inner suction tube to the correct drum depth.

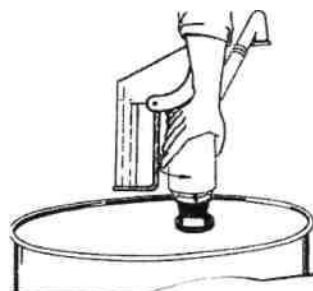
#### Fit pump to the drum

- A) Place the pump into the drum and screw the pump into the drum opening.

**Note: Do not use the handle or over tighten when screwing the pump onto the drum, side stress will damage the pump.**

#### Operation

To operate simply lift and lower the handle, the pump will self prime in three or four strokes.



## PRODUCT COMPATIBILITY LIST

Acetamide	50% aqua solution
Alcohol	technically, pure
Aluminium salts	aqua solution
Ammonian Chloride	10% aqua solution
Amyl alcohol	technically, pure
Aniline	technically, pure
Aspirin	technically, pure
Attar of roses	technically, pure
Barium salts	aqua solution
Beer	commercial grade
Benzole	technically, pure
Borax	aqua solution
Boric acid	10% aqua solution
Brake fluid	commercial grade
Butane	technically, pure
Butanol	technically, pure
Butter	commercial grade
Butter milk	commercial grade
Calcium chloride	10% aqua solution
Caustic soda	40% aqua solution
Chlorobenzene	technically, pure
Chloromomethane	technically, pure
Coconut oil	commercial grade
Common salt	aqua solution
Copper salts	10% aqua solution
Detergent (dishwash)	commercial grade
Ethylene chloride	technically, pure
Freon	commercial grade
Freon 12	technically, pure
Fuel oil	commercial grade
Glycerine	technically, pure
Glyphosate	technically, pure

Hexane	technically pure
Hydraulic fluid	commercial grade
Ink	commercial grade
Isoctane	technically pure
Isopropyl alcohol	technically pure
Kerosene	commercial grade
Linseed oil	commercial grade
Magnesium hydroxide	10% aqua solution
Mercury	technically pure
Mineral oils	commercial grade
Naphtalene	technically pure
Oil of pine needles	technically pure
Olive oil	commercial grade
Paraffin oil	technically pure
Petroleum	technically pure
Potassium bromide	10% aqua solution
Potassium hydroxide	50% aqua solution
Potassium nitrate	10% aqua solution
Potassium sulphate	10% aqua solution
Propane	technically pure
Sea water	aqua solution
Sodium chloride	aqua solution
Silicone oils	technically pure
Soap solution	10% aqua solution
Sodium hydroxide	20% aqua solution
Solvent naptha	technically pure
Soya oil	commercial grade
Tallow	commercial grade
Tartaric acid	10% aqua solution
Tolulene	technically pure
Tea	commercial grade
Trifluralin	technically pure
Water	technically pure
Zinc chloride	10% aqua solution

### Note:

The information given in this resistance chart has been gained from published lists, suppliers and our own experience.

For this reason we can assume no liability for the indications in this resistance chart.

This chart was compiled with products at 20 deg C.

If in doubt please contact your local distributor.

### macnaught warranty

1. Macnaught Pty Ltd ("Macnaught") warrants that all products manufactured by Macnaught and/or supplied by Macnaught under the "Macnaught" brand, excluding M-Series positive displacement meters ("Meters") and components subject to wear, will be free from any defects caused by faulty materials or workmanship ("Warranty") for a period of 5 years from the date of purchase of the product.
  2. For products (excluding Meters) which carry the "Macnaught design" endorsement, an additional Warranty period of 5 years applies to all mechanical components (excluding electronic and electrical components), giving a total Warranty period of 10 years.
  3. For Meters, the Warranty period is 12 months from the date of purchase of the product.
  4. For components contained in all products which are usually subject to wear from normal operation of the products (such as o-rings, seals, springs, hoses and batteries), the Warranty period is 12 months from the date of purchase of the relevant product.
  5. For products and components which are not manufactured by Macnaught and are supplied by Macnaught under a brand name other than "Macnaught", the Warranty period is the longer of 12 months from the date of purchase of the relevant product and the period of the manufacturer's warranty.
  6. The warranties contained in clauses 1, 2, 3, 4 and 5 above are conditional on the purchaser, during the relevant Warranty period:
    - a. delivering to Macnaught a detailed notice setting out full details of any defect in any product and details of the date and place of purchase (together with copies of purchase receipts and/or other supporting documents), and
    - b. at the purchaser's own cost, returning the defective product to the nearest authorised Macnaught service centre.
  7. Subject to compliance by the purchaser with clause 6, Macnaught shall, at its option, repair or replace any product or component found defective by its inspection by reason of faulty materials or workmanship of Macnaught.
  8. This Warranty does not cover the failure of products, parts or components which, in the sole judgment of the Macnaught, arises other than from faulty materials or workmanship of Macnaught, including misuse, abrasion, corrosion, negligence, accident, substitution of non-Macnaught parts, unauthorised modification, improper use, storage or handling, faulty installation or tampering by the purchaser or any third party.
  9. If Macnaught's inspection discloses no defect in material or workmanship, repair or replacement and return (at Macnaught's sole option) will be made at customary charges, which will be advised to the purchaser.
  10. Macnaught's liability and the purchaser's rights under this Warranty shall be limited to the repair or replacement of defective products or components and particular, shall not extend to any direct, special, indirect or consequential damage or losses of any other warranties.
  11. The foregoing Warranty supersedes, voids and is in lieu of any other warranties.
- This Warranty does not form part of, nor does it constitute, a contract between Macnaught and the end-user or purchaser. It is additional to any warranty given by the seller of the products. This Warranty does not exclude, limit, restrict or modify the non-excludable rights or remedies conferred upon the end-user or purchaser, or the non-excludable duties or liabilities imposed on the seller or Macnaught, by Part V, Division 2, 2A, and Part VA of the Trade Act 1974 (Commonwealth) or other rights conferred on the end-user or purchaser or duties or liabilities imposed upon Macnaught.



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