



# Magnetically Coupled Pump

Stock No. 445-986

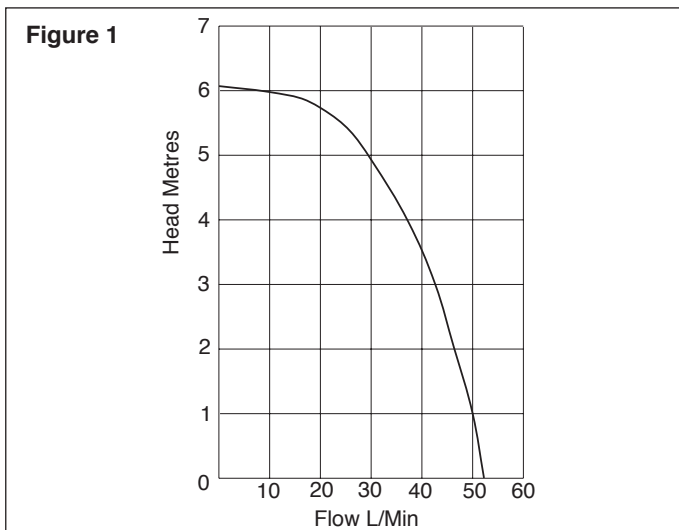
## Description

This magnetically coupled centrifugal pump is rated for continuous duty and is ideally suited to recirculation applications. It can be used with mild acids or alkalis, since the only components in contact with the pumped fluid are plastic and ceramic with a viton 'O' ring. (See Chemical Compatibility).

## Installation

Pump should be connected to pipework etc. using 1/2" BSP fittings. (Avoid over tightening as this may cause damage to the ports). The pump and pipework should be adequately supported and correctly fitted to avoid shock loading and strain on the pump and its ports. Do not mount pump vertically down (ie. with ports below motor).

## Performance



Max. Specific Gravity 1.20  
Max. Viscosity 30Cp.

## Operation and Maintenance

Pump should have flooded suction since it does not self prime. Filters or restrictions should not be situated before the pump inlet. When priming, operate pump in short 10 second cycles to facilitate clearing of air. Ensure there are no leaks or blockages in pipework.

Do not operate pump against closed valve for longer than 30 seconds.

Where pumped fluid causes coating or deposition, periodic cleaning of pump internals may be necessary. This can be achieved by flushing through with an appropriate solvent or cleaning agent. Pump must be adequately ventilated to avoid overheating of motor.

Do not run pump dry.

## Motor Specification

Single phase 220/240V 50Hz  
Input power 95W  
Output power 60W  
Maximum current 1.0A

## Chemical Compatibility

Aluminium Chloride (10%)  
Ammonium Sulphate (50%)  
Aniline  
Antimony Trichloride (10%)  
Arsenic Acid  
Barium Chloride  
Boric Acid  
Calcium Chloride  
Castor Oil  
Chromic Acid  
Citric Acid (10%)  
Cod Liver Oil  
Copper Sulphate  
Cresols  
Diesel Oil  
Diethylene Glycol  
Ferric Chloride  
Formaldehyde (40%)  
Freon - 113  
Furfural  
Glycerol  
Hexane  
Hydrochloric acid (10%)  
Hydrochloric acid (36%)  
Hydrogen peroxide (35%)  
Hydrogen sulphide gas  
Iso-propanol  
Lactic Acid (90%)  
Linseed Oil  
Lubricating Oil  
Magnesium Chloride  
Mercuric Chloride  
Molasses  
Nickel Chloride  
Oleic Acid  
Olive Oil  
Paraffin Oil  
Petrol  
Potassium Cyanide  
Potassium Permanganate (25%)  
Rapeseed Oil  
Silicone fluids  
Silver Nitrate  
Sodium Carbonate (10%)  
Sodium Chloride (25%)  
Sodium Cyanide  
Sodium Nitrate  
Stannic Chloride  
Sulphur Dioxide  
Tetrachloroethane  
Tricesyl Phosphate  
Water (distilled)  
Water (sea)  
White Spirit  
Wine  
Zinc Chloride (Ag. sol)

Figure 2

