



Magnetically Coupled Pump

Stock No. 445-992

Description

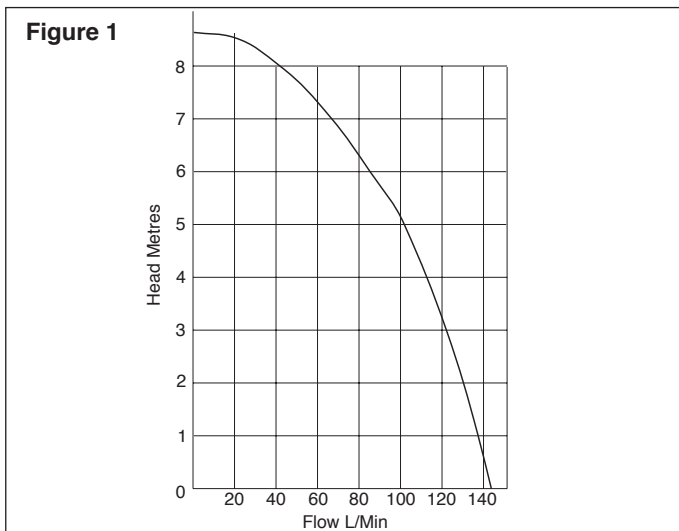
This magnetically coupled centrifugal pump is rated for continuous duty and is ideally suited to recirculation applications. It can be used with mild acids or alkalis, since the only components in contact with the pumped fluid are plastic and ceramic with a viton 'O' ring and a nylon bearing. (See Chemical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

Installation

Pump should be connected to pipework etc. using suitable fittings and flexible hoses. (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 400W
Output power 250W

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)

Electrical Connection

The pump is supplied ready for connection to a 220/240V 50Hz single phase supply. The live supply should be connected to

terminal U1 and the neutral should be connected to U6. The motor must be earthed.

Figure 2

