



## INSTALLATION GUIDE

### DC Pump

These centrifugal pumps all have components in plastic & magnetic drives. Pumps are suitable for water duties only & designed for vending machine use or similar intermittent duties.

Materials in contact with fluids are :- Polypropylene, Alumina Ceramic, O Rings in Nitrile, Viton or Butyl with exposed ferrite magnet. Encapsulated magnet possible for special applications.

#### Warning

These notes are intended as a **guide only**. If in any doubt over pump suitability, installation or electrical connection, please contact Totton Pumps immediately before proceeding.

#### Installation

Pump Connection - Connect pump to pipework etc. using appropriate fittings. Avoid over-tightening fittings since damage to threads & ports may occur. Pump & pipework should be adequately supported & correctly fitted to avoid shock loading & strain on pump & its ports. **DO NOT MOUNT PUMP VERTICALLY DOWN.**

#### Commissioning & 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 the pump in short 10 second cycles to facilitate clear 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 cleaning agent (stripping the pump down will void warranty). Pump must be adequately ventilated to avoid overheating of motor.

#### Electrical Connection

Pumps either 12v or 24v DC powered, connect as per pump label to ensure correct voltage & pump rotation.

#### Operating Instructions

PUMPS- Max. Fluid SG	:	1.2*	
Max. Fluid Temperature	:	95 $\frac{5}{9}$ Centigrade	1 bar body pressure
	:	85 $\frac{5}{9}$ Centigrade	1.4 bar body pressure

- Do not run dry
- Do not pump abrasives or large particles
- Ensure pump materials are resistant to pumped fluid
- Ensure pump is adequately ventilated
- Pump does not self prime

#### Warranty

This pump is guaranteed for 12 months from date of manufacture. In the event of failure, return the pump **intact** for inspection & rectification. Incorrect use or tampering with the pump will render warranty void.

#### Spares & Repairs

Available from THE Electric Motor Company, Pumps Division or approved Distributor.

Address for returned goods:

Totton Pumps  
Rushington Business Park, Totton, Southampton SO40 9AH  
Phone: +44 023 8066 6685 Fax: +44 023 8066 6880  
email: [info@totton-pumps.com](mailto:info@totton-pumps.com)  
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