

INSTALLATION GUIDE PCG Pump

The PCG range of magnetically coupled pumps are designed to pump clean fluids compatible with the wetted materials shown below. Note: pumping fluids with abrasives or solids in suspension (including hard water) can rapidly cause internal wear which can reduce output performance & self priming ability. Therefore, fluid should be appropriately filtered or treated to eliminate abrasives. Generally Peek gears (a non-standard option) gives longer running life than PTFE gears. Motor is integral, totally enclosed, non-ventilated. Materials in contact with fluids:- 316 stainless steel, barium ferrite magnet, PTFE (optional PEEK) gears, PTFE seals & bearings.

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.

PCG 2/50, 3/30

Temperature range 0°C to +95°C

Maximum system pressure 20 bar

Close coupled motor, TENV, IP44

220/240 volts - 50Hz - Single phase

220/240 volts - 60Hz - Single phase

110/120 volts - 50Hz - Single phase

110/120 volts - 60Hz - Single phase

Commissioning & Installation

PUMP CONNECTION:- Connect pump to pipework using appropriate fittings. Avoid over-tightening fitting since damage to threads & ports may occur. Fitting of a filter to inlet fluid supply is recommended. Ensure there are no leads or blockages in pipework & that pipework is adequately supported to avoid strain on pump. Where pumping a fluid causing coating & deposition, excessive wear & shortened pump life may occur. A minimum of 12mm clearance should be provided between the pump & surrounding parts of the installation to ensure ventilation of 200cm², half at the pump end. Inadequate ventilation can cause the motor to overheat.

Do not mount pump vertically down.

ELECTRICAL CONNECTION:- ENSURE POWER SUPPLY IS SWITCHED OFF BEFORE CONNECTION. Fitting of an RCD to pump is recommended. Follow appropriate regulations on connection to mains. For permanent hard wiring only. The hard wired supply should have a means of disconnection with contact separation of a least 3mm on all poles. The supply cord should be routed & restrained such that it cannot come into contact with any parts of the pump or interconnecting pipework. The supply cord cannot be replaced, if the cord is damaged the appliance should be scrapped. Pump must be adequately ventilated to avoid overheating of motor.

Electrical Connection

THIS APPLIANCE MUST BE EARTHED

ENSURE POWER SUPPLY IS SWITCHED OFF BEFORE CONNECTION.

Important: Wiring Code

240v

Green/Yellow - Earth
Blue - Neutral
Brown - Live

110v

Green/Yellow - Earth
White - Neutral
Black - Live

Fitting of an RCB to electrical supply is recommended.
Follow appropriate regulations on connection to Mains.

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: Totton Pumps or approved Distributor.

Address for returned goods:

Totton Pumps
Rushington Business Park, Totton, Southampton UK SO40 9AH
Phone: +44 023 8066 6685 Fax: +44 023 8066 6880
email: info@totton-pumps.com
Internet: www.totton-pumps.com