

Units are positive displacement pumps of the diaphragm type, are of plastic construction and are driven by permanent capacitor motors.

Pumps are fitted as standard with a demand control enabling flow and pressure to be controlled. The design makes them suitable for water pressurisation, syrup mix and dispense, spray cleaning equipment, beer and wine dispense, photographic chemicals, etc. Unit may be run dry without damage. Pump stops on closed valve. Materials in contact with fluids:- Housing - polypropylene or nylon, Diaphragm and Seals - Santoprene (or Viton), Valve - EPDM or santoprene.

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 flexible hose using appropriate fittings. Avoid over-tightening fittings since damage to threads and ports may occur. Pump and pipework should be adequately supported and correctly fitted to avoid shock loading and strain on pump and its ports. The pump may be mounted in any orientation. A minimum of 12mm clearance should be provided between the pump and surrounding parts of the installation to ensure ventilation of 200cm², half at the pump end. Inadequate ventilation can cause the motor to overheat.

ELECTRICAL CONNECTION:- Ensure power supply is switched off before connection. Fitting of an RCD to pump is recommended. Follow appropriate Regulation 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 and restrained such that it cannot come into contact with any parts of the pump or interconnecting pipework.

USA ONLY: Pumps are intended to be employed in ordinary locations in accordance with the National Electrical Code NFPA 70.

COMMISSIONING AND MAINTENANCE

The pump has a self-priming capability up to 2 metres once the internal components have been wetted. It is recommended that a filter (available from Totton Pumps) be fitted to ensure no particles enter the pump. Ensure there are no leaks or blockages in the pipework. Pump must be adequately ventilated to avoid overheating of motor. 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.

IMPORTANT: WIRING COLOUR CODE

240V	Green/Yellow	- Earth
	Blue	- Neutral
	Brown	- Live

WARNING: This appliance must be earthed.

110V	Green or Green/Yellow	- Ground connector
	White or Blue	- Power supply conductor
	Black or Brown	- Grounded power supply conductor

WARNING: RISK OF ELECTRIC SHOCK – This pump is supplied with a grounding conductor and grounding type conductor. To reduce risk of electric shock be certain it is connected only to a properly grounded grounding type receptacle.

MOTOR SPECIFICATION

Rating: Continuous as standard, intermittent rated motors are available.

Voltages: 220/240v	1phase 50Hz	Enclosure:	IP54
110v	1phase 50Hz + 60Hz		

WARRANTY

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

SPARES AND REPAIRS

Available from Totton Pumps or an approved Distributor.

Address for returned goods: Totton Pumps
Rushington Business Park, Totton,
Southampton SO40 9AH
Phone: +44 (0) 23 80666685 Fax: +44 (0) 23 80666880
Email: info@totton-pumps.com Internet: www.totton-pumps.co.uk