



flowboost

WATER PRESSURE PUMP



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Application

The EWC Flowboost 10M is designed for pressure boosting mains pressure water. Flowboost uses an electric motor-driven peripheral pump with bypass, complete with an automatic control system consisting of flow switch and electronic control.

Installation

Consideration should be made when positioning the Flowboost 10M to allow for access for servicing and maintenance.

- The Flowboost 10M must be installed in a dry, frost and vibration free location.

The water entering the pump must be controlled as follows:

- The maximum allowable water temperature is 25°C.
- The minimum allowable water temperature is 4°C.

The Inlet and Outlet are located at the rear of the Flowboost.

- To meet the requirements of the Water Supply (water fittings) Regulations, a type EC – verifiable double check valve (not supplied) must be fitted.
- Incoming mains pressure can vary but must never exceed 6 bar. If there is a possibility of exceeding 6 bar, separate inlet pressure control must be fitted.
- It is advisable to fit a bypass pipe and isolating valve. This will allow removal of the pump for maintenance and servicing and ensure the water supply is still available during that period.
- This pump is self-venting. Open the mains stopcock and allow the pump to fill and vent, please note the pump chamber must be full of liquid at all times. Seal damage will result if the pump runs dry. Do not run the pump dry
- Use the hoses supplied to connect the Flowboost 10M to pipework and/or any connected equipment.

Operation

Starting The Flowboost:

- 1/ Ensure all outlets are closed, turn power supply 'on' - pump will start, pressurise the system then stop.
- 2/ Open and close all outlets in turn associated with the pump, allowing liquid to flow from each outlet until all air is purged. As each outlet is opened and closed, the pump will start and stop respectively.
- 3/ Note: After closing the outlet there will be a small time delay before the pump stops, which is normal.
- 4/ Any tap or control valve within the system when opened and closed will now turn the pump on/off. Providing this is the case the system is now operating correctly.
- 5/ Carefully check pump and pipework for leaks whilst pump running and stationary before leaving the installation unattended.

To reset the pump:

Should you need to reset the Flowboost, isolate the unit from the mains power, wait 10 seconds, then reconnect to the mains power.

Technical Specifications

- Increase pressure, up to 1.5 bar increase over mains supply
- Flow rate: up to 10 LPM – adheres to UK pump/mains fitment regulation (no requirement for water authority notification)
- WRAS approved pump
- Thermal cut out integrated within pump
- Activation: at 0.6 Imp
- Dry run protection
- Typical noise level: 48 dB
- Max working pressure: 6 bar
- Max working water temp: 25°C
- 3/4" BSP inlet and outlet
- Integrated check valve
- Continuous duty rating
- Full load current 1.5 amps
- Vibration damping feet

Safety

- This unit must be operated by a competent person and must not be used in any fashion other than its intended use.
- Any modifications to this unit could cause a malfunction, and cause danger to the operator.
- The electrical installation must be carried out in accordance with the national electrical regulations.
- The electrical installation must be carried out by a qualified person.
- This unit should be installed in line with a 30mA residual current device (R.C.D. not supplied).
- Ensure electrical supply is isolated before carrying out any maintenance on this unit.
- This unit must be earthed correctly.

