



flowboost

WATER PRESSURE PUMP



WATERCARE

FLOWBOOST 35 GUIDE - FB35T

Application

The EWC Flowboost 35T is designed for pressure boosting applications in vented stored hot or cold, clean fresh water systems, where under gravity, low or no flow is available.

Installation

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

- The Flowboost 35T 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 65°C.
- The minimum allowable water temperature is 4°C.

Pipework:

- DO NOT fit a pump if the hot water is heated via a method whereby the water temperature cannot be controlled, such as solar or solid fuel
- The Inlet is located at the side of the Flowboost, The outlet is located on top of the Flowboost.
- DO NOT install a non-return valve, or devices which contain non-return valves, in the suction (inlet) pipework to the pump. The pump must be free to vent to the supply tank at all times.
- DO NOT connect this pump to the mains water supply.

Please use the hoses provided:

- 19mm hose must be used on inlet, alternatively a direct 22/28 mm connection to copper pipe.
- 12mm hose must be used on outlet, alternatively a direct 15/22mm connection to copper pipe.
- NOTE. The inlet supply size MUST always be of a larger size than the outlet. i.e 28mm inlet to 22mm outlet.
- Hoses MUST be kept as straight as possible, avoiding the possibility of the hoses folding.

General:

The hot and cold water storage capacity must be sufficient to meet the flow rates required by the pumped equipment and any other water using fittings and appliances, which may be operated simultaneously.

The Flowboost 35M must be sited in a location where the maximum ambient temperature does not exceed 40°C.

Ensure the pump is primed before starting, damage to the shaft seal will result otherwise.



Operation

Starting The Flowboost:

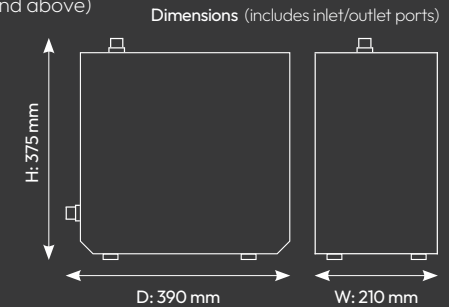
- 1/ Ensure all outlets are closed, turn power supply 'on' - pump will start, pressurise the system then stop.
- 2/ Open and close all outlets in turn associated with the pump, allowing liquid to flow from each outlet until all air is purged. As each outlet is opened and closed, the pump will start and stop respectively. If connected where a tap is not available, purge outlet on to a bucket, sink or drain via the outlet hose.
- 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

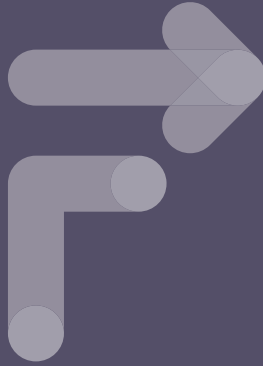
- Increase pressure up to 3.5 bar
- Flow rate: up to 35 LPM
- Activation at 1 LPM and/or pressure drop below 1.5 bar - Ideal for very low flow trigger demand
- Integrated accumulator tank, reduces start/stop cycle - better for connected equipment & pump
- Continuous duty rating (at 5 LPM and above)
- Dry run protection
- Typical noise level: 61 dB
- Max working water temp: 65°C
- 3/4" BSP inlet and outlet
- Integrated check valve
- Thermal cut out within pump
- Full load current 1.95 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.





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