

AquaTech Pressmain

**SINGLE PUMP COLD WATER PRESSURE BOOSTER SETS
COMPLETE WITH 15 GAL (NOM) BREAKTANK AND TYPE 'AB' AIR GAP
FOR BACKFLOW PREVENTION TO FLUID CATEGORY 5**



'PROJECT MM-AT-E-15'

FEATURES

- Automatic Pump Operation via Electronic Controller
- Fully Packaged Tank & Pump For Simple Installation
- Back Flow Prevention to Fluid Category 5
- LED Indication For Power, Pump Run & Fault Warning
- Pump Dry Running/No Water Protection
- WRAS Approved Pump & Break Tank

GENERAL

Complete system

The Project MM is a complete, all-in-one unit, incorporating pump, motor, pressure and flow sensor controller, non-return valve, 15 Gal. (nom) breaktank fitted with a 1/2" float valve. An insulation jacket for the breaktank is also provided. The electronic controller ensures that the pump starts automatically when water is consumed and stops automatically when the consumption ceases. In addition the controller protects the pump in case of faults.

Simple operation

The pump is prewired to a user-friendly control panel with LED indicator lights for Power Available, Pump Running & Fault Indication; a 1" pressure gauge is also fitted for monitoring system pressure. The controller is fitted with a special non-return valve which avoids surges.

Built-in protective functions

If exposed to dry running/no water the pump will stop automatically, thus preventing the pump from potential failure. An LED warning is provided to warn of the condition and a manual reset button is provided to clear the warning when a normal mains water supply to the break tank has resumed.

Break tank

15 Gal. / 68 Ltr. (Nom.) WRAS approved Breaktank fitted with raised float valve chamber to form a type 'AB' air gap complying to Water Supply (Water Fittings) Regulations 1999 for Fluid Category 5 backflow prevention, thus making the unit suitable for any backflow risk. Prevention of Legionnaires Disease: Cleaning/Chlorination via tank top, pumped through system is allowed due to 'AB' Air Gap. Total evacuation of the tank is achieved via a base mounted drain valve, this will satisfy the requirements of L8 (HSE Doc).

Pump

Self priming with stainless steel materials in contact with the liquid; approved by WRAS according to BS6920 for use in drinking water.

Options

Low Level Warning

When fitted will provide volt-free contact for remote monitoring.

High Level/Overflow Warning

When fitted will provide volt-free contact for remote monitoring.

TECHNICAL DATA

Installation

Due to its compact design, the pump does not take up much space and is easy to install. No space around the pump is required.

Pumped liquids

Potable water, rainwater or other clean, thin, non-aggressive liquids not containing solid particles or fibres.

Operating conditions

Pump operating pressure:	1.5 - 2.5 bar.
Pump flow:	0.5 l/sec
Max pressure of use:	Max. 6 bar.
Max water temperature:	35°C.
Incoming mains pressure:	1 Bar min.

Electrical Connection

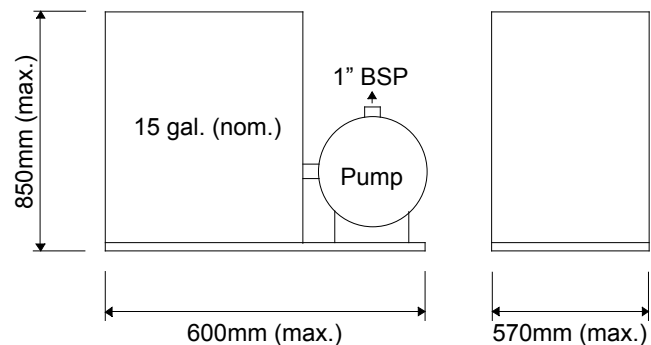
Mains voltage:	220-240 V, 1 phase, 50 Hz.
Enclosure class:	IP65.
Marking:	CE.

Mechanical Connection

Incoming connection (Float):	1/2" BSP male
Outlet to system:	1" BSP male

DIMENSIONS

(Not to scale)



The information in this specification is correct at time of issue; as AquaTech Pressmain design and development programmes are continuous, we reserve the right to make any changes to this specification without prior notice.

AquaTech Pressmain

Head office

AGM House, London Road, Copford, Colchester. CO6 1GT
T: 01206 215121 F: 01206 215131

Manchester Office

Dolphin House, 130 Princess Road, Manchester. M16 7BY
T: 0161 226 4727 F: 0161 226 5848

E: info@aquatechpressmain.co.uk

W: www.aquatechpressmain.co.uk

Leaders in the design, manufacture and assembly of packaged fluid pumping equipment and control systems.
Applications: Cold Water Supply; Fire Fighting; Heating & Chilled System Pressurisation; Tank Level Monitoring.