

Boost-a-main 2 installation and set up advice

Plumbing Connections

This advice is aimed at plumbing professionals and assumes system selection and pipework layout has been properly undertaken.

Siting

The relative positions of the pump/control box and the tank/accumulator are not fixed. It is preferable to keep the amount of interconnecting pipework & joints to a minimum.

Access to the accumulator for servicing may be required.

Also the interconnecting pipework will be subjected to normal operating pressures in the 5 – 10 Bar range.

Connecting the inlet

System flushing should be carried out prior to connecting the unit. Install isolation valve and strainer on inlet side unit leaving access for strainer cleaning should it become necessary in the future. Installation kits consisting of Strainer, lever valve (copper to copper), lever valve (female iron connections) and Male iron adaptor are available from your supplier.

The unit is factory set to switch off if the mains water pressure is below 1 Bar. If your feed is below 1 Bar contact your supplier for specific setting advice.

Connecting the Tank/Accumulator

Connect the tank/accumulator via the isolating valve provided using pipework suitable for 5 – 10 bar pressure. Do not reduce the pipe diameter.

NOTE. The Tank connector and isolating valve are provided all other fittings & pipework are not supplied as the type & amount of pipe & fittings required will vary according to the application.

Multiple tank installations

Each tank/accumulator must be individually valved for maintenance purposes.

Connecting The Outlet

Select the desired outlet water pressure by setting the pressure limiting valve and connect the distribution pipework to the female threaded outlet valve.

Connect the power cable but do not switch on until water is in the system.

Commissioning

1. Switch on inlet water supply & check for leaks.
2. Ensure Tank/accumulator valve is fully open.
3. Allow water to fill tank for 8 – 10 minutes.
4. Switch on electrical supply.
5. Check system OK light is on. (The pump running light may also be on & the pump may start)
6. The unit is pre-programmed to switch on when pressure drops below 4 bar and off when pressure reaches 6 bar. These parameters are programmable please contact customer services on 01932 245200 if a variation from the standard settings is required.
7. Check system fills & then shuts down at 6.0 Bar or your programmed figure.
8. Open outlet valve & check water supplies.
9. Complete Guarantee registration documents & post to register for the 2 years warranty.
(warranty is one year if guarantee is not registered)

Set up & Programming

The unit is factory set and generally will not need adjustment.

There are three programmable parameters.

1. **Cut in pressure** – this is the threshold below which the pump will switch on. **Preset 4.0 Bar.**
2. **Switch off pressure** – This is the pressure at which the tank/accumulator will stop filling. **Preset 6.0 Bar**
3. **Run dry cut off pressure.** – This is the feed line minimum pressure setting. If the water supply drops below the threshold (**Preset 1 Bar**) the pump will stop running until pressure is restored. The amber light on the panel will illuminate to indicate there is insufficient pressure. The system checks once every minute and will automatically reset once pressure is restored.

Overpressure Safety System

The Boost-a-Main system is equipped with a fail safe overpressure cut out system.

If pressure in the system exceeds 9.0 Bar at any time the system will automatically shut down and the Red over pressure warning light will illuminate. If this happens check that the tank/accumulator isolating valve is fully open and depress the Manual reset button for two seconds.

The red light should go out and the Green system OK light should light.

If this continues to happen contact your supplier for advice.

Both Green lights are on but the pump is not running!

This can occur if the pump system has cycled rapidly through on and off cycles more than once. If this occurs check the tank/accumulator isolating valve is fully open and switch off the power supply for a few seconds. When the power supply is restored the system should return to normal operation.