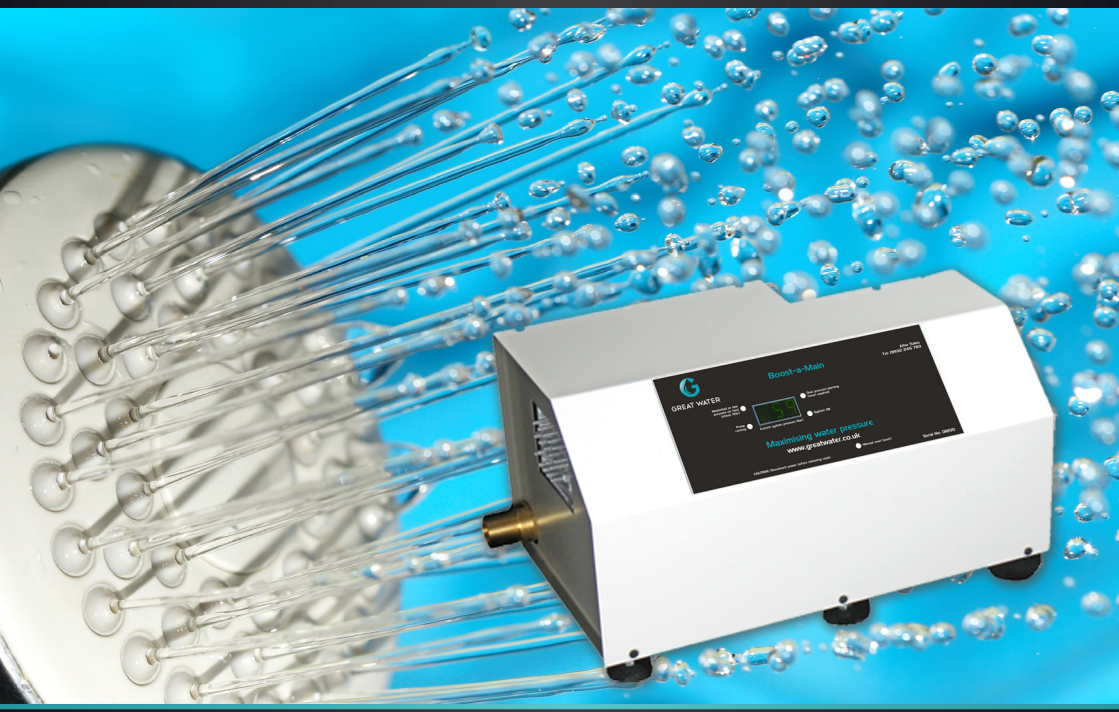
GREAT WATER

Boost-a-main

MAXIMISING WATER PRESSURE



- Direct connected mains Water booster
- Kinetic capture technology – Pressurises and controls accumulated water
- 130l/min Outlet flow – Model 10
- Perfect for multiple bathroom applications

LIFE TIME WARRANTY
PUMP MOTOR LIFETIME WARRANTY

Designed, engineered and made in England – PCT/EP2009/054569

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What is Boost-a-main?

Boost-a-Main is our unique system to increase mains water pressure and flow using Kinetic Capture technology.

HOW DOES IT WORK?

With systems suitable for any size of home the Boost-a-Main system takes the available mains water and stores it under pressure in the accumulator. This captures the kinetic energy of the water, the system then increases the amount and pressure of the stored water using our unique Mag Drive shaft-less pump technology. This pressurised stored water is then used to supplement the available mains water supply at pressures up to 4.5 bar and flow rates up to 130 litres per minute. Truly enough to satisfy even the most demanding of homes.

Our model 15 can even deliver up to 300 litres per minute on 42mm pipework.

WHY FIT BOOST-A-MAIN?

Poor mains water pressure affects thousands of homes and businesses.

Increasing development together with the popular trend towards mains fed plumbing systems, unvented cylinders, combination boilers and high performance showers means that more of us are demanding more from the mains water supply.

Modern homes have multiple bathrooms and often feature en-suite facilities to all bedrooms. You don't have to look back far into the past to see a time that one (indoor) bathroom was the expectation. Water supply infrastructure was not designed for the modern home and often dates back to Victorian times

GET YOUR SHOWERS WORKING PROPERLY!

Many modern European taps, showers and terminal fittings are designed for a 3 bar operating pressure to deliver the quoted flow rates. Unvented cylinders operate best at 3 - 3.5 bar pressure. Supplied with less the systems often disappoint despite great expense.

BOOST-A-MAIN IS THE ANSWER

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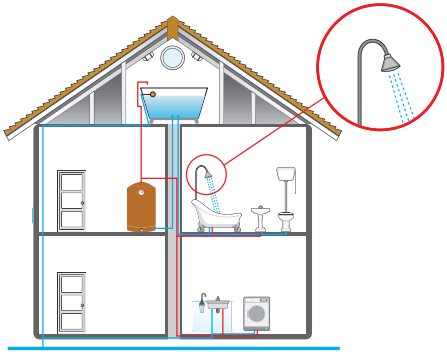
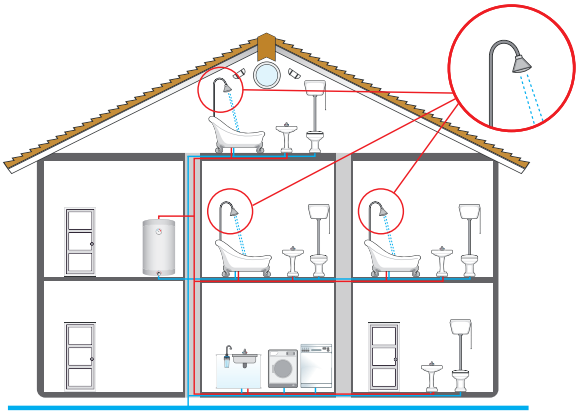
TRADITIONAL PLUMBING SYSTEM

- *Not reliant on mains water pressure for performance*
- *Older homes feature less bathrooms and appliances*
- *Acceptable performance.*



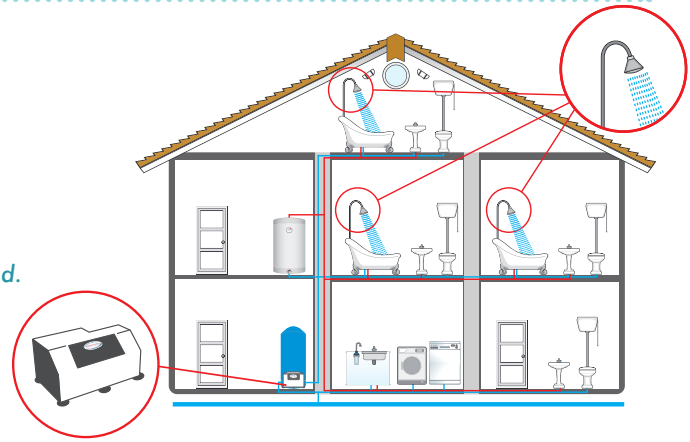
MODERN PLUMBING SYSTEM

- *Modern homes have many more fixtures and fittings*
- *Water supplies face increasing demand with more development and more bathrooms*
- *Compromised performance.*

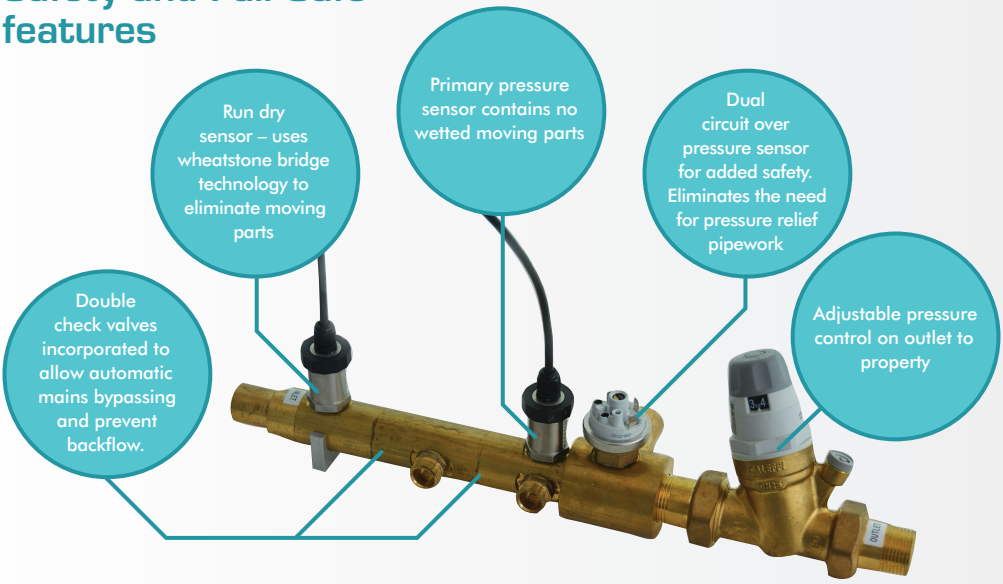


BOOST-A-MAIN SYSTEM

- *Superb performance from all taps & showers*
- *Ideal for simultaneous demand.*



Safety and Fail Safe features



Dual circuitry The system controller incorporates a number of safety features. As well as the primary pressure sensor there are two other sensors. These provide *RUN DRY PROTECTION* and *OVER PRESSURE PROTECTION*.

The Run Dry Sensor is constantly checking that a minimum feed water pressure of 0.25 Bar is available at the Boost-a-Main unit. If the water supply is off or intermittent the system will automatically shut down and wait until water supply is restored before re-starting. In this event the yellow "low pressure warning" light will illuminate on the control panel. The system automatically checks every 2 minutes.

Overpressure protection The pump at the heart of every Boost-a-Main unit is capable of producing some very high pressures. The over pressure sensor should never be required however if the normal pump control circuit were to fail and the pump was running the over pressure sensor will shut down the system at 9 bar. The red light will illuminate on the control panel and the system will require a manual intervention to re-start. This fail safe device operates on a completely separate relay & circuit from the main sensor.

Automatic by-pass Even if the system were to shut down due to one of the above failure modes water supply will continue. The system will use the accumulated store of water to supply the needs of the property until the system is re-set.

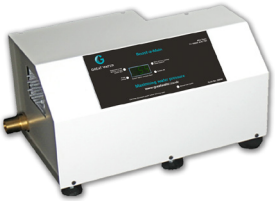
Power failure by-pass Unlike traditional break tank fed pump systems water continues to flow even when there is no electrical supply. During short power failures the performance will be unaffected. If the power is lost for an extended period the available mains water supply will automatically provide as much flow as it can.

BOOST-A-MAIN CONTROLLERS ARE SUITABLE FOR USE WITH ANY POTABLE WATER ACCUMULATOR

Why pick The Great Water Boost-a-Main?

- *Lifetime warranty on pump motor.*
- *Whisper quiet operation.*
- *Auto By-Pass to main.*
- *Built in Run Dry protection with auto reset*
- *Overpressure protection.*
- *2 models to suit all applications with peak flow rates to 130 and 300 lpm*
- *Shaft-less Mag Drive pump for quiet efficient operation*
- *Simple installation*
- *Supplements mains pressure – doesn't waste energy pumping from tanks*
- *Engineered in England to the highest standards*

At the heart of every Boost-a-Main system is our Shaft-less Mag Drive pump. Employing graphite rotary vane technology to ensure consistent reliable performance throughout its range



- *Mag Drive eliminates troublesome shaft seals and all heat build up.*
- *Our pump motor has no moving parts is not subject to wear and will last a lifetime**
- *No moving parts means no heat build up and no noisy fans*

Unique Patented technology

The Boost-a-Main Process is protected under european Patent appllication # PCT/EP2009/054569

LIFE TIME
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Composite Accumulators for Potable Water

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PROVESS VERTICAL ACCUMULATORS

Model		220V	330V	440V	660V
Tank volume nominal (litres)		150	230	300	450
Diameter	inch	18	24	24	24
	mm	470	620	620	620
Weight	kg	14.8	19.8	22.8	32.6
Total height	inch	48	42 1/8	51 3/4	72
	mm	1220	1070	1315	1825
Bottom of the tank (type 1)		1 opening 160mm with V-clamps and 1 tube 1¼"			
Top of the tank		Air valve			

PROVESS HORIZONTAL ACCUMULATORS

Model		220H	330H	440H	660H
Tank volume nominal (litres)		150	230	300	450
Inner diameter	inch	18	24	24	24
	mm	470	620	620	620
Weight	kg	15	20	23	32.7
Total length	inch	45	36 1/4	48	68
	mm	1140	970	1215	1725
Height including cradle		595	745	745	745

INCLUDING
Brass tank outlet 28mm
Plastic push-fit elbow 28mm
Support cradles

Provess Premium Composite Accumulators

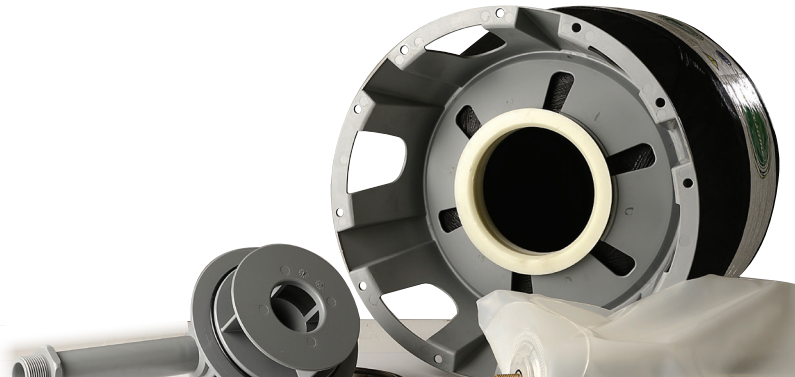
Provess Composite Accumulator Vessels, are unique in design and construction. Unlike all other accumulator tanks the Provess Tank system stores the water between the outer shell and the inner bladder.

This eliminates stretching and possible failure of the bladder. It also makes bladder removal and cleaning not only possible but easy. Due to this unique technology it is possible to increase the pressure differential and therefore the net volume of stored water.

The Provess Tank range is manufactured in Europe using the latest composite materials & technology.

- *Lightweight and durable*
- *10 year warranty - subject to registration*
- *8 bar Max. Operating Pressure*
- *Interchangeable Membrane*
- *Ideal for applications where Legionella control and tank cleaning is a requirement*
- *Range of sizes*
- *All sizes available in either vertical or horizontal* format.*

Characteristics	
Min. ambient & water temperature	1°C / 34°F
Max. ambient & water temperature	50°C / 120°F
Air cell pre-charge pressure	1,5 bar / 21,76 psi / 150 kpa
Maximum pressure air cell	3 bar / 43,52 psi / 300 kpa
Maximum design pressure	8 bar / 116 psi / 800 kpa
Bladder	TPU
Barrier tank	PB1
Reinforcement layer	GF/PP



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