

Patented Water Performance System



Today's high tech heating and hot water systems offer many advantages over old fashioned boilers and cylinders, including energy savings, and benefits to the environment...

However, the importance of the incoming mains water supply cannot be underestimated when choosing a modern, energy efficient hot water heating appliance and it is critical to deliver the performance homeowners and businesses expect. There is little point in investing in the latest high tech, energy efficient cylinders, combi boilers and high performance showers and taps only to be disappointed when they fail to live up to the claims of the glossy brochure.

MainsBoost™ Water Performance Systems are specifically designed to stabilise water pressure and dramatically improve water flow to all direct on mains appliances; delivering improved performance from unvented cylinders, combination boilers and high performance showerheads etc. allowing the possibility to run multiple outlets simultaneously!

Imagine filling a bath, running a shower and a toilet flushing all at the same time, with no reduction in water flow. It's all about simple but effective water boosting technology.

The advantage of simple technology is reliability, and the benefit of quality is longevity, which makes the **MainsBoost™** range of products the most popular choice for businesses and home owners across the UK.

- True 'power shower' performance without the need for pumps
- No electrical consumption, silent operation and no maintenance**
- Requires only minimal incoming flow to deliver up to 80lpm
- Wide range of sizes and configurations to suit all applications
- 5 year warranty
- Patent protected design is your guarantee of satisfaction

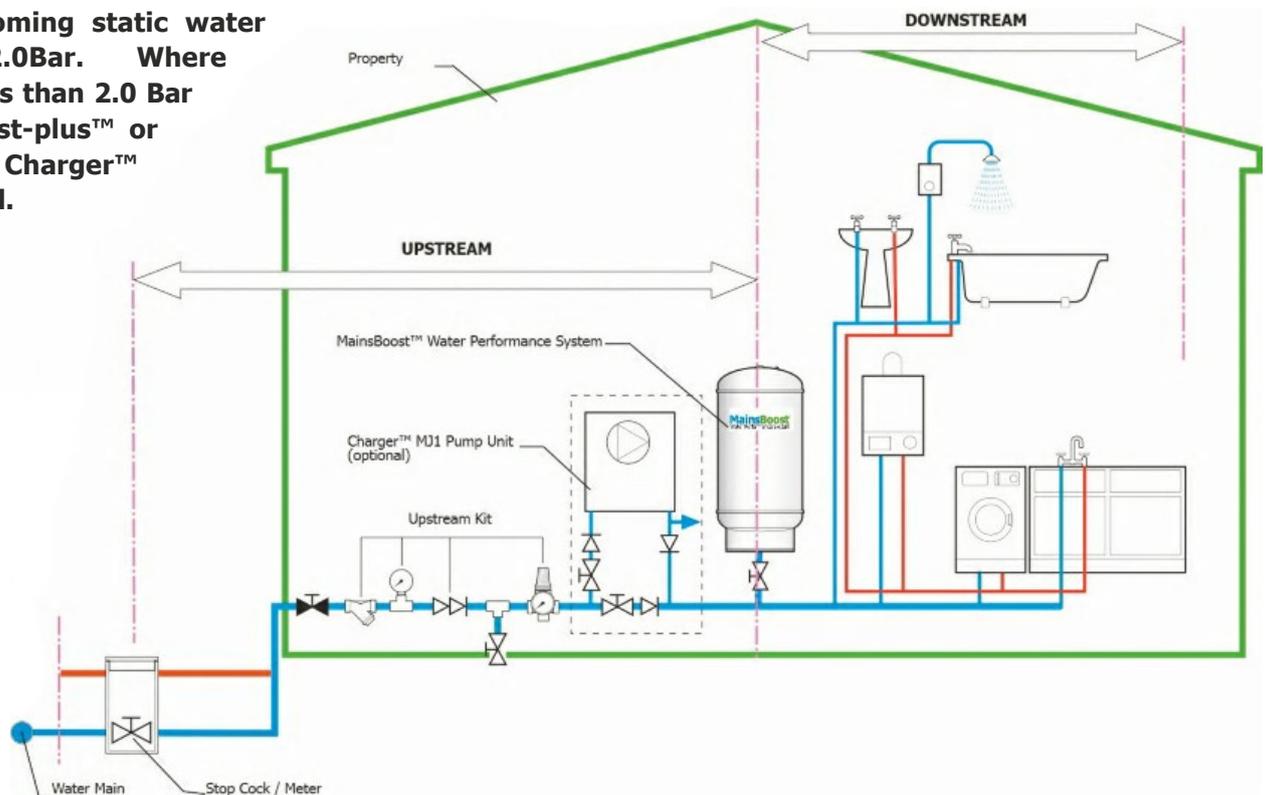
TechnicalData

The increase in water performance is achieved by the **MainsBoost™** Water Performance system's patented accumulator technology, using "green energy" to capture a volume of wholesome water which is "locked and loaded" at pressure in a sealed hygienic container, ready for use. When a tap is opened or shower turned on, water is released under pressure to every outlet in the property.

The **MainsBoost™** is installed directly onto the incoming supply and under mains pressure fills with water. The CAD2 water chamber is surrounded by a positive pre-charged air pressure sealed within the vessel. When the chamber is full the unit reaches a state of pressure equilibrium, i.e. the water pressure and pre-charge pressure are balanced. The **MainsBoost™** system now has a volume of water "locked and loaded" at pressure, ready for distribution throughout the property. As an outlet is opened, the water is forced out of the unit, boosting the incoming mains water supply.

For ease of installation all **MainsBoost™** Water Performance Systems are supplied with a comprehensive installation pack, including a detailed installation manual. **MainsBoost™** systems require no power supply or drainage, are silent in operation and are maintenance* free for a minimum period of 5 years. The perfect **GREEN ENERGY** water boosting solution. **MainsBoost™** Water Performance Systems are available in a wide range of sizes to suit every application and are ideal for properties with poor flow rates, including old or shared mains, multi bathrooms or high demand outlets; however care should be taken to ensure the correctly sized **MainsBoost™** system is installed. TWS strongly recommend that a water pressure and flow test is carried out prior to the specification of any **MainsBoost™** system. TWS provide technical help and assistance with the specification process.

Minimum incoming static water pressure: 2.0Bar. Where pressure is less than 2.0 Bar the MainsBoost-plus™ or MainsBoost Charger™ should be used.



MODEL	VESSEL CAPACITY (LITRES)*	DIMENSIONS (MM)	WEIGHT EMPTY (kg)	TOTAL WEIGHT (kg)	MAXIMUM WEIGHT (kg)	CONNECTORS SUPPLIED
MBD-10022	55	890 x 410	19	74	119	1" BSP x 28
MBD-13022	71	110 x 410	23	94	153	1" BSP x 28
MBD-20022	110	1030 x 535	34	144	234	1¼" BSPF x 28
MBD-24022	132	1210 x 535	37	169	277	1¼" BSPF x 28
MBD-31022	174	1500 x 535	46	220	356	1¼" BSPF x 28
MBD-45022	248	1530 x 660	70	318	520	1¼" BSPF x 28
MBD-45028	248	1530 x 660	70	318	520	1¼" BSPF x 28

*based on optimal differential pressure. **Subject to L8 compliance.