

#POWERINGWATER



RESIDENTIAL PRODUCT RANGE

STUART-TURNER.CO.UK

**STUART
TURNER** 

ABOUT US

We are a UK manufacturer of pump and water boosting solutions with an unprecedented reputation for product quality, reliability, innovation and customer service.

Customers can expect nothing but the best product, using the latest technology, manufactured to the highest quality standards, resulting in the most reliable solution available.

All our products are designed and manufactured to exacting standards right here in the UK.

Most installations can be satisfied from our standard range of products, however, if you need a more tailored solution, our unique manufacturing facility combined with our technical expertise means we can provide bespoke options specifically aimed at commercial and OEM markets.

Telephone: **TechAssist +44 (0) 800 31 969 80** e-mail info@stuart-turner.co.uk
or visit the support section of the Stuart Turner website to find our specialist in your area.
stuart-turner.co.uk



UNRIVALLED SUPPORT

We are specialists in our field, with a dedicated team able to offer help at every stage.

DESIGN EXPERTISE

Our expert team can conduct a detailed analysis of the performance requirements of the intended project to produce a fully costed proposal. All our systems are custom designed in-house using the latest CAD software to develop, evaluate and aid the design of the most efficient solution for your specific needs.



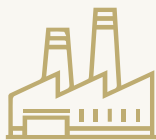
COMMISSIONING

We provide a full commissioning service on all our systems and are available to advise on the installation of your system should you require our technical help or practical expertise.



MANUFACTURING EXCELLENCE

We have invested in the latest production and manufacturing technologies to ensure we work to the highest quality standards. This guarantees our system reliability whilst at the same time minimising costs, improving efficiency and delivering on time and in full.



MAINTENANCE

Ongoing maintenance is a cost-effective solution to prolonging the life of your system and maximising its operational efficiency. To ensure the system continues to operate effectively and reliably we can also offer a comprehensive maintenance and service contract.



TECHNICAL TRAINING

We offer a range of CPD courses aimed at building service engineers and accredited by CIBSE – Chartered Institution of Building Service Engineers. CIBSE is an internationally recognised professional association that supports construction and engineering industries by delivering up-to-date knowledge of the built environment to its membership through training and education.

Visit the **CIBSE** website for further details.



ON-GOING SUPPORT

The quality and reliability of our products and services are second to none, allowing you peace of mind when you specify Stuart Turner. However, should you experience any issues we have a dedicated team of technical experts available to help. The TechAssist team are available to offer technical advice or guidance on any aspect of product selection.

Technical helpline:

TechAssist 0800 31 969 80





INTRODUCING

RESIDENTIAL BOOSTER SETS & COLD WATER STORAGE

WATER BOOSTING SOLUTIONS

With an extensive variety of systems available within our range, we can offer a range of solutions suited to larger domestic properties and residential developments.

Our products feature variable speed pumps capable of operating in duty, duty-assist or duty-standby modes, supplied as a complete fully packaged product for ease of installation.



COLD WATER BOOSTING

“Stuart Turner offer a wide range of residential booster sets, integrated pump and water storage systems, designed to optimise space, provide higher water pressure and flow to multiple outlets and supplied as a ready to install fully packaged product.”

RESIDENTIAL BOOSTER SETS

AQUABOOST iBOLT single pump booster set

The iBOLT range of single pump booster sets features a horizontal multi-stage pump controlled by an air-cooled variable speed frequency inverter mounted directly on the pump motor.

The iBOLT 03 single pump range delivers flow rates up to 5.0 m³/hour and head pressures of up to 9.0 bar.

The iBOLT 05 single pump range delivers flow rates up 8.0 m³/hour and head pressures of up to 9.2 bar.

The iBOLT 09 single pump range delivers flow rates up 15.0 m³/hour and head pressures of up to 7.1 bar.

The iBOLT 15 single pump range delivers flow rates up to 25.0 m³/hour and head pressures of up to 4.4 bar.

- ▶ UP TO 9.2 BAR PRESSURE
- ▶ FLOW RATES UP TO 25 M³/ HOUR
- ▶ ADVANCED VARIABLE SPEED CONTROL
- ▶ DRY RUN PROTECTION
- ▶ WRAS APPROVED 8 LITRE PRESSURE VESSEL



Part No	Model	Pumps	Nominal Flow (m ³ /hr)	Nominal Head (bar)
47381	iBOLT 0304 1H-CMT/8	1	3	3.0
47382	iBOLT 0306 1H-CMT/8	1	3	4.7
47383	iBOLT 0308 1H-CMT/8	1	3	6.4
47384	iBOLT 0504 1H-CMT/8	1	5	3.4
47385	iBOLT 0506 1H-CMT/8	1	5	5.0
47386	iBOLT 0508 1H-CMT/8	1	5	6.5
47387	iBOLT 0903 1H-CMT/8	1	9	2.6
47388	iBOLT 0904 1H-CMT/8	1	9	3.6
47389	iBOLT 0906 1H-CMT/8	1	9	5.0
47547	iBOLT 1503 1H-CMT/8	1	15	3.4

RESIDENTIAL BOOSTER SETS

AQUABOOST iBOLT twin pump booster set

The iBOLT range of twin pump booster sets features two horizontal multi-stage pumps controlled by air-cooled variable speed frequency inverters mounted directly on the pump motors.

The iBOLT 03 twin pump range delivers flow rates up to 5.0 m³/hour (per pump) and head pressures of up to 9.0 bar.

The iBOLT 05 twin pump range delivers flow rates up to 8.0 m³/hour (per pump) and head pressures of up to 9.2 bar.

The iBOLT 09 twin pump range delivers flow rates up to 15.0 m³/hour (per pump) and head pressures of up to 9.2 bar.

The iBOLT 15 twin pump range delivers flow rates up to 25.0 m³/hour (per pump) and head pressures of up to 4.4 bar.

- ▶ UP TO 9.2 BAR PRESSURE
- ▶ FLOW RATES UP TO 50 M³/ HOUR
- ▶ ADVANCED VARIABLE SPEED CONTROL
- ▶ DRY RUN PROTECTION
- ▶ WRAS APPROVED 24 LITRE PRESSURE VESSEL



Part No	Model	Pumps	Nominal Flow (per pump) (m ³ /hr)	Nominal Head (bar)
47353	iBOLT 0304 2H-CMT/24	2	3	3
47354	iBOLT 0306 2H-CMT/24	2	3	3
47390	iBOLT 0308 2H-CMT/24	2	3	3
47355	iBOLT 0504 2H-CMT/24	2	5	5
47356	iBOLT 0506 2H-CMT/24	2	5	5
47391	iBOLT 0508 2H-CMT/24	2	5	5
47392	iBOLT 0903 2H-CMT/24	2	9	9
47357	iBOLT 0904 2H-CMT/24	2	9	9
47358	iBOLT 0906 2H-CMT/24	2	9	9
47548	iBOLT 1503 2H-CMT/24	2	15	3.4

RESIDENTIAL BOOSTER SETS

AQUABOOST iBOLT triple pump booster set

The iBOLT range of triple pump booster sets features three horizontal multi-stage pumps controlled by air-cooled variable speed frequency inverters mounted directly on the pump motors.

The iBOLT 03 range delivers flow rates up to 5.0 m³/hour (per pump) and head pressures of up to 9.0 bar.

The iBOLT 05 range delivers flow rates up to 8.0 m³/hour (per pump) and head pressures of up to 9.2 bar.

The iBOLT 09 range delivers flow rates up to 15.0 m³/hour (per pump) and head pressures of up to 7.1 bar.

The iBOLT 15 triple pump range delivers flow rates up to 25.0 m³/hour (per pump) and head pressures of up to 4.4 bar.

- ▶ UP TO 9.2 BAR PRESSURE
- ▶ FLOW RATES UP TO 75 M³/ HOUR
- ▶ ADVANCED VARIABLE SPEED CONTROL
- ▶ DRY RUN PROTECTION
- ▶ WRAS APPROVED 24 LITRE PRESSURE VESSEL



Part No	Model	Pumps	Nominal Flow (per pump) (m ³ /hr)	Nominal Head (bar)
47549	iBOLT 0304 3H-CMT/24	3	3	3.1
47550	iBOLT 0306 3H-CMT/24	3	3	4.8
47551	iBOLT 0308 3H-CMT/24	3	3	6.4
47552	iBOLT 0504 3H-CMT/24	3	5	3.4
47553	iBOLT 0506 3H-CMT/24	3	5	5.2
47554	iBOLT 0508 3H-CMT/24	3	5	6.6
47555	iBOLT 0903 3H-CMT/24	3	9	2.6
47556	iBOLT 0904 3H-CMT/24	3	9	3.6
47557	iBOLT 0906 3H-CMT/24	3	9	5.0
47558	iBOLT 1503 3H-CMT/24	3	15	3.4

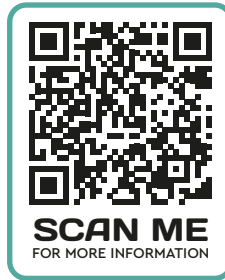
RESIDENTIAL BOOSTER SETS

AQUABOOST iMATIC single pump booster set

The AQUABOOST iMATIC single pump booster set features one submersible multi-stage pump controlled by a dedicated variable speed frequency inverter.

The single pump 400 litre tank is fitted with a 0304 stainless steel pump, capable of delivering flow rates up to 6.0 M³/hour and head pressures of up to 6.4 bar.

- ▶ UP TO 6.4 BAR PRESSURE
- ▶ FLOW RATES UP TO 6 M³ / HOUR
- ▶ ADVANCED VARIABLE SPEED CONTROL
- ▶ DRY RUN PROTECTION
- ▶ WRAS APPROVED 8 LITRE PRESSURE VESSEL



Part No	Model	Nominal Tank Capacity (litres)	Pumps	Nominal Flow (m ³ /hr)	Nominal Head (bar)
47359	AQUABOOST iMATIC 0304 1S-CMT/8 400	400	1	3.5	4.4

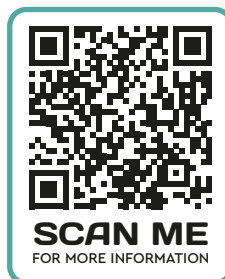
AQUABOOST iMATIC twin pump booster sets

The AQUABOOST iMATIC range of twin pump booster sets feature two submersible multi-stage pumps controlled by a dedicated variable speed frequency inverter.

The twin pump 800 litre tank is fitted with two 0304 stainless steel pumps, capable of delivering flow rates up to 6.0 m³/hour per pump and head pressures of up to 6.4 bar.

The twin pump 1200 litre tank is fitted with two 0504 stainless steel pumps, capable of delivering flow rates up to 10.0 m³/hour per pump and head pressures of up to 6.6 bar.

- ▶ UP TO 6.6 BAR PRESSURE
- ▶ FLOW RATES UP TO 20 M³ / HOUR
- ▶ ADVANCED VARIABLE SPEED CONTROL
- ▶ DRY RUN PROTECTION
- ▶ WRAS APPROVED 24 LITRE PRESSURE VESSEL



Part No	Model	Nominal Tank Capacity (litres)	Pumps	Nominal Flow (per pump) (m ³ /hr)	Nominal Head (bar)
47360	AQUABOOST iMATIC 0304 2S-CMT/24 800	800	2	3.5	4.4
47361	AQUABOOST iMATIC 0504 2S-CMT/24 800	800	2	6.0	4.6



INTRODUCING

RESIDENTIAL MAINS BOOSTING

POWERING WATER PERFORMANCE

No problem, MAINS BOOSTING by Stuart Turner has the answer. The original solution to low mains water pressure and still the most cost effective, energy efficient options available.

MAINS BOOSTING water performance systems are specifically designed to dramatically improve flow rates to all direct on mains appliances. They deliver improved performance from unvented water cylinders, combination boilers and high performance shower heads, allowing multiple outlets to run simultaneously, any time, every time.



MAINS BOOSTING

“Mains water boosting products from Stuart Turner provide a simple to install solution to the problem of low or intermittent mains water pressure, ensuring a boosted supply exactly where you need it, when you need it.”

GENERAL SELECTION GUIDE

MAINS BOOSTING

Our MAINS BOOSTING systems boost the cold water mains pressure and flow to the entire property.

Suitable for use in homes featuring a combi-boiler or a pressurised hot water cylinder.

Also referred to as 'high pressure systems' combi-boilers and pressurised hot water cylinders rely on the pressure and flow available from the cold water mains supply which can be as low as 0.7 bar pressure and less than 10 litres per minute flow.

MAINS BOOSTING systems are connected directly to the cold water mains supply to the home and can boost pressure and flow to dramatically improve shower and other water using appliance performance.

COMBI BOILER



Improve the performance of a system supplied by a combi-boiler.

PRESSURISED HOT WATER CYLINDER



Improve the performance of a system supplied by a pressurised hot water cylinder.



SCAN ME

MAINSBOOST Site Survey

A few questions and checks at the outset of a project can make all the difference to selecting the right product for the job, minimising potential problems and ensuring customer satisfaction with the chosen product.

The site survey form is available on the Stuart Turner website or by scanning the QR code!

	WARRANTY	PRESSURE	FLOW	COMPATIBILITY
STORMBOOST 	5 YEAR WARRANTY	Up to 2.5 bar 	Up to 12 lpm continuous 	
FLOMATE MBF 	3 YEAR WARRANTY	Up to 2.5 bar 	Up to 30 lpm limited duration 	
MAINSBOOST 	5 YEAR WARRANTY	Up to 3.5 bar with CHARGER pump 	Up to 80 lpm per vessel 	
iBOOST 	3 YEAR WARRANTY	Up to 5.5 bar 	Up to 100 lpm 	
VARIQ 	2 YEAR WARRANTY	Up to 4.5 bar 	Up to 97 lpm 	
NOTE: VARIQ pump requires a separate cold water storage tank				

RESIDENTIAL MAINS BOOSTING

STORMBOOST

STORMBOOST boosts existing mains water pressure by up to 2.5 bar and a maximum flow rate of 12 litres per minute.

The STORMBOOST pump is designed to be connected directly to the incoming cold water mains and activates automatically when a tap is opened or a shower is switched on, boosting mains water pressure and flow throughout the property

- ▶ BOOSTS MAINS WATER PRESSURE BY UP TO 2.5 BAR
- ▶ OUTPUT FLOW RATE UP TO 12 LPM
- ▶ AUTOMATIC OPERATION
- ▶ QUIET OPERATION
- ▶ WRAS APPROVED PRODUCT



Part No	Model	Maximum pressure (bar)	Maximum flow rate (l/min)
47708	STORMBOOST	+ 2.5 bar	12

MAINSBOOST Flomate MBF 60/80

Designed for low occupancy properties with one bathroom and fits neatly within a standard 500 mm kitchen base unit.

MAINSBOOST Flomate MBF 60 and MBF 80 can be connected directly to the incoming mains and will deliver up to 16 litres/minute flow at 3.2 bar pressure to multiple outlets within the property for a set duration after which the system will deliver 12 litres/minute until demand ends and the pressure vessel recharges.

- ▶ 60 AND 80 LITRE NOMINAL PRESSURE VESSEL OPTIONS
- ▶ BOOSTS MAINS WATER PRESSURE UP TO 3.2 BAR
- ▶ BOOSTS MAINS FLOW RATE UP TO 16 LITRES/MIN



Part No	Model	Nominal vessel capacity (litres)	Maximum pressure (bar)	Maximum flow rate (l/min)
46631	Flomate MBF 60	60	3.2	16 (8 mins) 12 (constant)
46634	Flomate MBF 80	80	3.2	16 (12 mins) 12 (constant)

RESIDENTIAL MAINS BOOSTING

MAINSBOOST Flomate MBF 100/200/300

MAINSBOOST Flomate MBF 100, MBF 200 and MBF 300 are suitable for properties with one bathroom (MBF 100) or two bathrooms (MBF 200/MBF 300).

Designed to sit within a typical kitchen 600 mm wide, tall cupboard they will deliver up to 18 litres/minute (MBF 100), 24 litres/minute (MBF 200) or 30 litres/minute (MBF 300) flow at 3.2 bar pressure to multiple outlets within the property for a set duration after which the system will deliver 12 litres/minute until demand ends and the pressure vessel recharges.

- ▶ 100, 200 AND 300 LITRE NOMINAL PRESSURE VESSEL OPTIONS
- ▶ BOOSTS MAINS WATER PRESSURE UP TO 3.2 BAR
- ▶ BOOSTS MAINS FLOW RATE UP TO 30 LITRES/MIN



Part No	Model	Nominal vessel capacity (litres)	Maximum pressure (bar)	Maximum flow rate (l/min)	
46635	Flomate MBF 100	100	3.2	18 (8 mins)	12 (constant)
46636	Flomate MBF 200	200	3.2	24 (8 mins)	12 (constant)
46637	Flomate MBF 300	300	3.2	30 (8 mins)	12 (constant)

GOOD TO KNOW

MAINSBOOST Flomate offers pressurised supply of water for a defined period of time, the chart below is for guidance only.

		Typical run times in minutes					Typical run times in minutes				
		12 ltr/min	16 ltr/min	18 ltr/min			12 ltr/min	16 ltr/min	18 ltr/min	24 ltr/min	30 ltr/min
STORMBOOST	Constant	–	–	–	MBF 100	Constant	16	8	–	–	–
MBF 60	Constant	8	–	–	MBF 200	Constant	24	18	8	–	–
MBF 80	Constant	12	–	–	MBF 300	Constant	40	24	16	8	–

RESIDENTIAL MAINS BOOSTING

MAINSBOOST Vertical

Designed for direct on mains systems (unvented cylinders and combination boilers) where mains pressure is greater than 2.0 bar but water flow is inadequate. MAINSBOOST™ is installed directly onto the incoming water supply and under mains pressure fills with water.

The CAD2 water chamber is surrounded by positive pre-charged air pressure sealed within the vessel. When the chamber is full the unit reaches a state of pressure equilibrium, meaning the water pressure and pre-charge pressure are balanced. The MAINSBOOST™ system now has a volume of pressurised water ready for distribution throughout the property.

- ▶ 100 – 450 LITRE NOMINAL CAPACITY VESSEL OPTIONS
- ▶ OUTPUT FLOW RATES UP TO 80 LITRES/MIN PER VESSEL
- ▶ SILENT OPERATION
- ▶ MULTIPLE VESSEL CONFIGURATIONS



Part No	Model
44452	MB 100SV-1
44455	MB 130SV-1
44458	MB 200SV-1
44461	MB 250SV-1
44464	MB 300SV-1
44467	MB 450SV-1

Part No	Model
44631	MB 100S Add on unit
44627	MB 130S Add on unit
44628	MB 200S Add on unit
44626	MB 250S Add on unit
44629	MB 300S Add on unit
44630	MB 450S Add on unit

Nominal capacity per vessel (litres)	Actual capacity per vessel (litres)
100	55
130	72
200	110
250	138
300	165
450	248

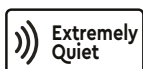


MAINSBOOST Horizontal

Specifically suited to properties where space and height is restricted, MAINSBOOST™ Horizontal systems are supplied with a purpose designed mounting cradle, making them easy to install in loft spaces or basements.

Maximum height 560 mm or 800 mm with Charger pump fitted.

- ▶ 200 AND 250 LITRE NOMINAL CAPACITY VESSEL OPTIONS
- ▶ OUTPUT FLOW RATES UP TO 80 LITRES/MIN PER VESSEL
- ▶ SILENT OPERATION
- ▶ MULTIPLE VESSEL CONFIGURATIONS



Part No	Model
44747	MB 200SH-1
44750	MB 250SH-1

Part No	Model
44628	MB 200S Add on unit
44626	MB 250S Add on unit
44548	MB 200S/250S Horizontal cradle

Nominal capacity per vessel (litres)	Actual capacity per vessel (litres)
200	110
250	138



RESIDENTIAL MAINS BOOSTING

MAINSBOOST Composite

MAINSBOOST™ Composite offers all the performance benefits of the standard MAINSBOOST™ range, housed in a composite vessel which is 30% lighter than the standard MAINSBOOST™ steel vessel.

Their lightweight composite body makes them easy to manoeuvre and install in places with difficult access and limited structural strength.

The unique construction of the MAINSBOOST™ Composite vessel ensures exceptional standards of water hygiene and makes them the preferred choice for healthcare facilities.

- ▶ 100 – 450 LITRE NOMINAL CAPACITY VESSEL OPTIONS
- ▶ OUTPUT FLOW RATES UP TO 80 LITRES/MIN PER VESSEL
- ▶ SILENT OPERATION
- ▶ MULTIPLE VESSEL CONFIGURATIONS



Part No	Model
44512	MB 100CV-1
44515	MB 130CV-1
44518	MB 200CV-1
44521	MB 250CV-1
44524	MB 350CV-1
44527	MB 450CV-1

Part No	Model
44772	MB 100C Add on unit
44773	MB 130C Add on unit
44774	MB 200C Add on unit
44775	MB 250C Add on unit
44777	MB 350C Add on unit
44778	MB 450C Add on unit

Nominal capacity per vessel (litres)	Actual capacity per vessel (litres)
100	55
130	72
200	110
250	138
350	193
450	248

MAINSBOOST Monobloc USK

Provides essential regulation controls to the incoming cold water mains supply in any MAINSBOOST vessel installation.

Not required with STORMBOOST, Flomate, iBOOST and iTank.

- ▶ COMPACT INTEGRATED ASSEMBLY
- ▶ INCOMING MAINS PRESSURE REGULATOR
- ▶ WATER FILTER
- ▶ FLOW CHECK VALVE
- ▶ INLET AND OUTLET PRESSURE GAUGES



Part No	Model
21104	MAINSBOOST Monobloc USK 22/28MM

RESIDENTIAL MAINS BOOSTING

MAINSBOOST Charger pump wall mount

When mains water pressure is less than 2.0 bar a MAINSBOOST Charger pump is the solution.

MAINSBOOST Charger pumps will boost pressure by 3.5 bar when supplied in conjunction with MAINSBOOST steel or composite vessels and can be located remotely from the MAINSBOOST vessel. MAINSBOOST Charger wall mounted pumps are supplied within a noise reducing enclosure.

- ▶ WALL MOUNTED BOOSTER PUMP
- ▶ BOOSTS PRESSURE UP TO 3.5 BAR
- ▶ WRAS APPROVED PRODUCT
- ▶ NOISE REDUCING ENCLOSURE
- ▶ WRAS APPROVED PRODUCT



Part No	Model	Bypass kit (mm)	Maximum head – closed valve (bar)
44725	MAINSBOOST MBC 12-22 WM	22	4.3
44726	MAINSBOOST MBC 12-28WM	28	4.3

MAINSBOOST Charger pump vessel mount

Where vertical space is not an issue the MAINSBOOST vessel mounted Charger pump may be the answer. MAINSBOOST vessel mounted Charger pumps offer the same performance benefits as the wall mounted variant and can be used in conjunction with MAINSBOOST Steel vessels.

- ▶ VESSEL MOUNTED BOOSTER PUMP
- ▶ SUITABLE FOR USE WITH STEEL VERTICAL AND HORIZONTAL MAINSBOOST VESSELS
- ▶ BOOSTS PRESSURE UP TO 3.5 BAR
- ▶ WRAS APPROVED PRODUCT
- ▶ NOISE REDUCING ENCLOSURE OPTION



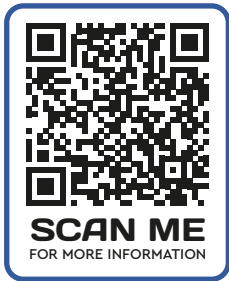
Part No	Model	Bypass kit (mm)	Maximum head closed valve (bar)	Compatibility
41712	MAINSBOOST MJ3 VM	22	4.3	MAINSBOOST vertical steel vessels up to 450 litre
41729	MAINSBOOST MJ3 HM	28	4.3	MAINSBOOST horizontal steel vessels up to 250 litre

RESIDENTIAL MAINS BOOSTING

MAINSBOOST Sound attenuation cover

Designed for use with MAINSBOOST Charger vessel mounted pumps where noise levels need to be minimised. Reduces noise levels by up to 10 dB(A).

- ▶ FOR USE WITH VESSEL MOUNT CHARGER PUMP
- ▶ REDUCES NOISE EMISSIONS
- ▶ ROBUST STEEL CONSTRUCTION
- ▶ SOUND REDUCING FOAM
- ▶ POWDER COATED FINISH



Part No	Model	Compatibility
44620	MAINSBOOST MBP SAC	All vessel mounted charger pumps

MAINSBOOST insulation jacket

MAINSBOOST Insulation Jackets are tailor-made to ensure a perfect fit and protect MAINSBOOST vessels from extremes of hot and cold temperatures, ensuring the potable water stored within the MAINSBOOST vessel is at the perfect temperature.

- ▶ SIZES SUITABLE FOR ALL MAINSBOOST VESSELS UP TO 450 LITRE
- ▶ PROTECTS STORED WATER FROM HOT AND COLD TEMPERATURE EXTREMES
- ▶ DURABLE THERMAL INSULATION



Part No	Model	Compatibility
20257	MB 100S JKT	MAINSBOOST MB 100S
20248	MB 130S JKT	MAINSBOOST MB 130S
20249	MB 200S JKT	MAINSBOOST MB 200S
20250	MB 250S JKT	MAINSBOOST MB 250S
20252	MB 300S JKT	MAINSBOOST MB 300S
20253	MB 450S JKT	MAINSBOOST MB 450S

Part No	Model	Compatibility
20569	MB 100C JKT	MAINSBOOST MB 100C
20517	MB 130C JKT	MAINSBOOST MB 130C
20515	MB 200C JKT	MAINSBOOST MB 200C
20251	MB 250C JKT	MAINSBOOST MB 250C
20245	MB 350C JKT	MAINSBOOST MB 350C
20244	MB 450C JKT	MAINSBOOST MB 450C

RESIDENTIAL MAINS BOOSTING

MAINSBOOST VariQ

Suitable for multiple applications and designed for whole house use within domestic properties, the MAINSBOOST VariQ fully packaged water boosting pump offers variable speed pump control to constantly monitor water pressure at the point of use. This feature ensures that no matter how many outlets are opened at once, constant water pressure will be delivered without a drop in pressure or flow.

- ▶ BOOSTS PRESSURE FROM A COLD WATER STORAGE TANK
- ▶ UP TO 5.5 BAR PRESSURE
- ▶ FLOW RATES UP TO 97 LITRES/MIN
- ▶ WRAS APPROVED PRODUCT
- ▶ VARIABLE SPEED INTELLIGENT CONTROL
- ▶ ILLUMINATED TOUCH SCREEN AND CONTROL PANEL



Part No	Model	Max Pressure (bar)	Max Flow (l/min)
47322	MAINSBOOST VariQ	5.5	97
29044	Connection kit (UK)		
29045	Connection kit (ROI)		



MAINSBOOST Pressure & Flow Test Kits

Designed to allow you to test the water pressure and flow prior to selecting any MAINSBOOST or direct on mains water supply product. The pressure and flow test kits from Stuart Turner are supplied in a rigid high quality plastic carry case with foam padding.

The Pro 60 consists of a 5–60 litres per minute flow meter, 1–10 bar pressure gauge and a range of 15–22 mm push-fit connectors for ease of testing.

The Trade 20 features a 7.0 bar pressure gauge with 22 mm flexible hose and an easy to use flow cup capable of measuring flow rates up to 22 litres per minute.

Part No	Model	Pressure Gauge (bar)	Flow Rate (l/min)
44724	PTK 1 Pro 60	1 – 10	5 – 60
44780	PTK 2 Trade 20	1 – 7	1 – 22













RESIDENTIAL MAINS BOOSTING

MAINSBOOST VariQ

This application table is a general guide only and individual site conditions may vary.

For advice or technical assistance, please contact **TechAssist** on +44 (0) 0800 31 969 80

	MAINSBOOST VariQ variable speed pump				
	1.5 bar	2.0 bar	2.5 bar	3.0 bar	3.5 bar
Pressure boost	Medium		High		
Maximum flow rate (at constant controlled pressure)	70 l/min	60 l/min	50 l/min	40 l/min	30 l/min
Boost whole house or apartment up to 3 bathrooms	●	●	●	●	●
Boost supply from cold water storage tank to combination boiler	●	●	●	●	●
Boost supply from cold water storage tank to pressurised hot water cylinder	●	●	●	●	●
Showers (standard shower head)	 x4	 x4	 x3	 x2	 x2
Showers (drench shower head)	 x3	 x3	 x2	 x2	 x1
Maximum number of outlets	10	10	10	10	10
Up to 1 floor	●	●	●	●	●
Up to 2 floors		●	●	●	●
Up to 3 floors			●	●	●
Maximum number of floors	1	Up to 2	Up to 3	Up to 3	Up to 3

RESIDENTIAL MAINS BOOSTING

MAINSBOOST iBOOST F200

These fully integrated systems combine a 200 litre cold water storage tank and a high performance, multi-stage pump to overcome restricted water flow and insufficient pressure.

The iBOOST F200 features simple to operate fixed speed controls and is capable of generating pressures of up to 4.5 bar and flow rates of up to 100 litres per minute, typically operating at 60 litres per minute at 3.0 bar pressure.

- ▶ FIXED SPEED
- ▶ INTELLIGENT CONTROL
- ▶ UP TO 4.5 BAR PRESSURE
- ▶ OUTPUT FLOW RATE UP TO 100 LITRES/MIN
- ▶ COMPACT AND POWERFUL



Part No	Model	Maximum head (bar)	Performance @ 9 l/min (bar)	Performance @ 18 l/min (bar)	Maximum flow rate (l/min)
46668	iBOOST F200	1.5	1.3	0.8	32
46712	iBOOST+200	2.0	1.5	1.1	35



MAINSBOOST iBOOST V200

These fully integrated systems combine a 200 litre cold water storage tank and a high performance, multi-stage pump to overcome restricted water flow and insufficient pressure.

The iBOOST V200 is capable of generating pressures of up to 4.5 bar and flow rates of up to 100 litres per minute, typically operating at 60 litres per minute at 3.0 bar pressure.

The V200 offers an advanced variable speed pump control system which enables the unit to supply a constant programmable water pressure as demand on the system fluctuates.

- ▶ VARIABLE SPEED
- ▶ INTELLIGENT CONTROL
- ▶ UP TO 4.5 BAR PRESSURE
- ▶ OUTPUT FLOW RATE UP TO 100 LITRES/MIN
- ▶ COMPACT AND POWERFUL



Part No	Model	Maximum head (bar)	Performance @ 9 l/min (bar)	Performance @ 18 l/min (bar)	Maximum flow rate (l/min)
46711	iBOOST V200	1.5	1.3	0.8	32
46712	iBOOST+200	2.0	1.5	1.1	35



NEW



STORMBOOST

THE SOLUTION TO POOR MAINS WATER PRESSURE

IDEAL FOR PROPERTIES WITH ONE BATHROOM

- ▶ Boosts mains water pressure by up to 2.5 bar around the home
- ▶ Quiet operation with anti vibration feet and hoses included
- ▶ Automatic on/off operation with power indicator light
- ▶ Compact and easy to install

5 YEAR
WARRANTY



SCAN ME
FOR MORE INFO

RESIDENTIAL MAINS BOOSTING

This application table is a general guide only and individual site conditions may vary.
For advice or technical assistance in choosing the right MAINSBOOST™ system,
please contact [TechAssist on +44 \(0\) 800 31 969 80](tel:+44208003196980)

	Unlimited water volume		Defined water volume							
	No space constraints		Limited space							
	MAINSBOOST Range	MAINSBOOST with Charger Pump	STORMBOOST	MAINSBOOST Flomate 60	MAINSBOOST Flomate 80	MAINSBOOST Flomate 100	MAINSBOOST Flomate 200	MAINSBOOST Flomate 300	MAINSBOOST iBOOST	MAINSBOOST VariQ
House – 1 bathroom	●	●	●	●	●	●	●	●	●	●
House – 1 bathroom + cloakroom	●	●		●	●	●	●	●	●	●
House – 1 bathroom + 1 en-suite	●	●					●	●	●	●
House – 1 bathroom + 2 en-suites	●	●						●	●	●
Larger properties with more than 1 bathroom + 2 en-suites	●	●							●	●
Supply direct to a combination boiler	●	●	●	●	●	●	●	●	●	●
Unvented stored water system up to 150 litres	●	●						●	●	●
Larger property with stored water system greater than 150 litres	●	●								
Hotel	●	●								
Apartment block	●	●								
Commercial	●	●								

RESIDENTIAL MAINS BOOSTING

Model	MAINSBOOST dimensions			Capacity	Weight	With MJ3 Charger Pump fitted		
	Height (mm)	Width (mm)	Depth (mm)	Litres	Empty/Max* (kg)	Height (mm)	Width (mm)	Depth (mm)
MAINSBOOST								
MB 100 SV	890	410	410	55	18/118	1120	440	485
MB 130 SV	1100	410	410	71.5	22/152	1335	440	485
MB 200 SV	1030	535	535	110	34/234	1280	535	548
MB 250 SV	1210	535	535	137.5	39/289	1455	535	548
MB 300 SV	1505	535	535	165	47/347	1740	535	548
MB 450 SV	1545	660	660	247.5	72/522	1775	660	660
MB 750 SV	1834	756	756	412.5	86/836	-	-	-
MB 1000 SV	2376	806	806	550	141/1141	-	-	-
MB 1500 SV	2435	960	960	825	226/1726	-	-	-
MB 2000 SV	2505	1110	1110	1100	346/2346	-	-	-
MAINSBOOST Horizontal								
MB 200 SH	558	540	1026	110	39/239	795	540	1026
MB 250 SH	558	540	1206	137.5	44/294	795	540	1206
MAINSBOOST Composite								
MB 100 CV	980	421	449	55	11/111	-	-	-
MB 130 CV	1242	421	449	71.5	14/144	-	-	-
MB 200 CV	1099	546	578	110	19/219	-	-	-
MB 250 CV	1355	546	578	137.5	23/273	-	-	-
MB 350 CV	1448	618	650	192.5	32/382	-	-	-
MB 450 CV	1832	618	650	247.5	39/489	-	-	-
Charger Pump – wall mount								
MBC 12 WM	465	290	180	-	15	-	-	-

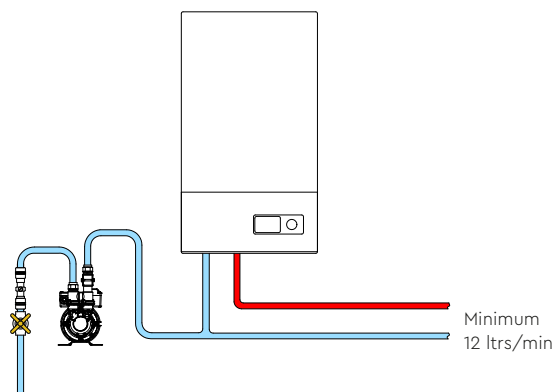
* Max weight is the absolute maximum weight of the vessel under fault conditions whereby the vessel is completely filled with water.

Model	STORMBOOST/MAINSBOOST Flomate/iBOOST/VariQ			Capacity	Weight
	Height (mm)	Width (mm)	Depth (mm)	Litres	Empty/Max* (kg)
MAINSBOOST Flomate/iBOOST/VariQ					
STORMBOOST	262	148	215	-	6.2
MBF 60	663	480	457	33	20/80
MBF 80	852	480	457	44	24/104
MBF 100	1134	461	430	55	27/127
MBF 200	1390	556	532	110	42/242
MBF 300	1847	556	532	165	56/356
iBOOST F200	1504	536	529	200	55/255
iBOOST V200	1504	536	529	200	56/256
iBOOST +200	1504	536	529	200	35/235
VariQ	292	194	391	-	8.32

RESIDENTIAL MAINS BOOSTING

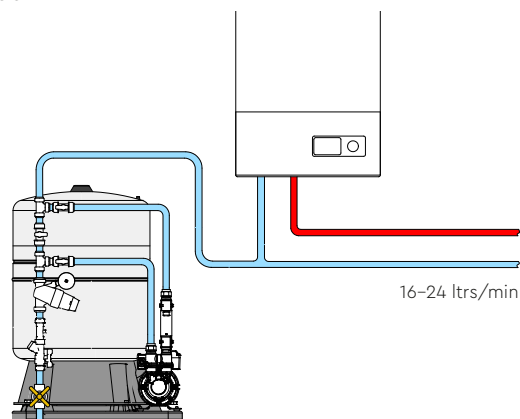
Combi boiler

Typical application: STORMBOOST pump



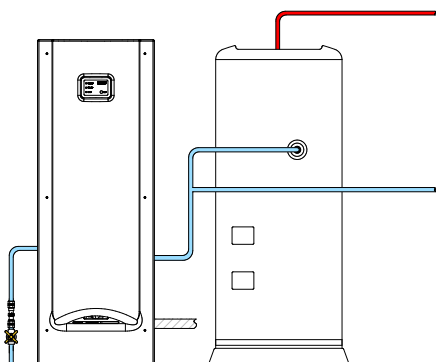
Combi boiler

Typical application: MAINSBOOST Flomate MBF 60, 80, 100, 200



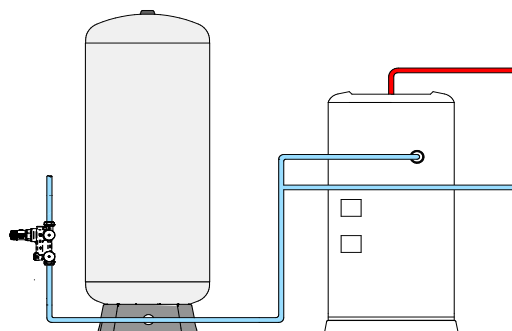
Unvented hot water cylinder

Typical application: MAINSBOOST with vessel mounted Charger pump, MAINSBOOST Flomate MBF 200, 300 or MAINSBOOST iBOOST



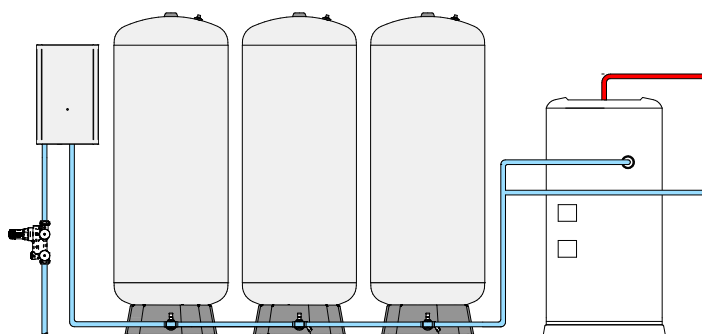
Unvented hot water cylinder unlimited supply

Typical application: MAINSBOOST



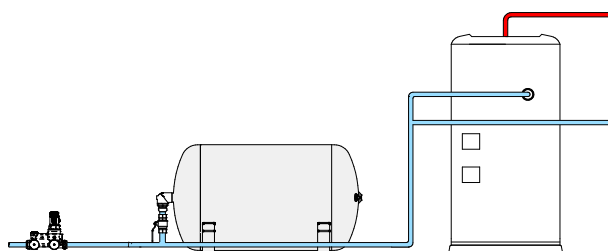
Unvented hot water cylinder

Typical application: MAINSBOOST with wall mounted Charger pump



Unvented hot water cylinder unlimited supply

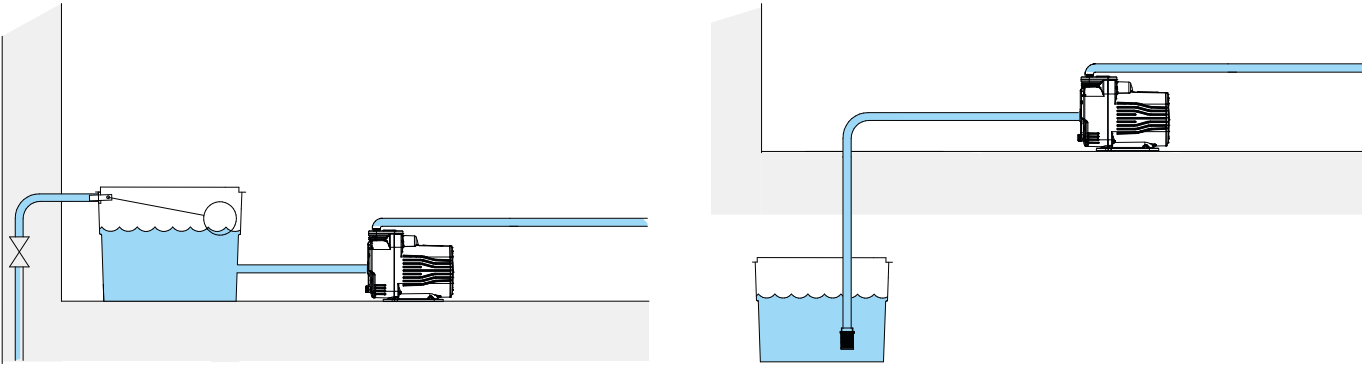
Typical application: MAINSBOOST Horizontal



RESIDENTIAL MAINS BOOSTING

Break Tank

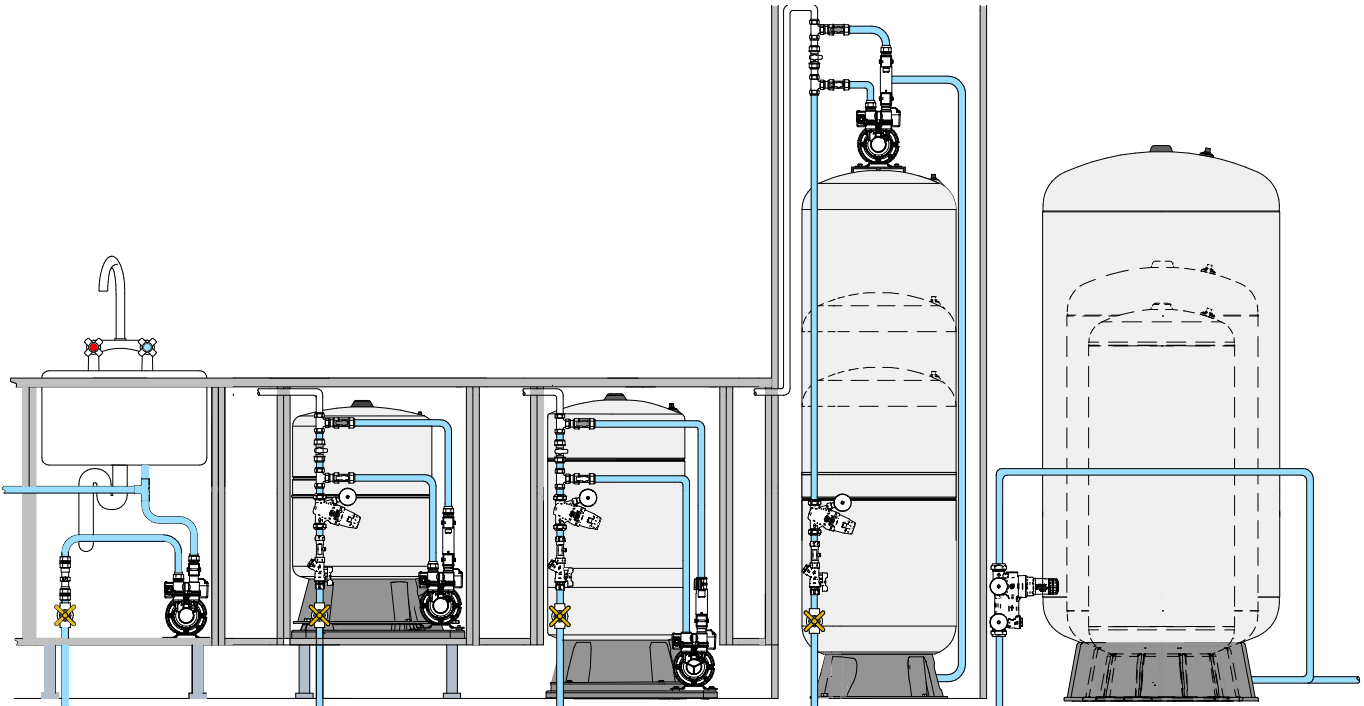
Typical application: MAINSBOOST VariQ pump



Location

Typical application: MAINSBOOST, MAINSBOOST Flomate

Under the kitchen sink of a small property.	Standard 500 mm kitchen base unit of a mid-sized property.	Standard 500 mm kitchen base unit of a mid-sized property.	Within a tall 600 mm standard kitchen unit of a larger property with higher occupancy.	Suitable for a larger property with higher occupancy and demand.
Typical application: STORMBOOST	Typical application: MAINSBOOST Flomate 60	Typical application: MAINSBOOST Flomate 80	Typical application: MAINSBOOST Flomate 100-300 MAINSBOOST iBOOST	Typical application: MAINSBOOST MAINSBOOST iBOOST





INTRODUCING

RESIDENTIAL SHOWER BOOSTING

PERFORMANCE WITHOUT COMPROMISE

MONSOON – Our premium quality high performance brass pumps are designed to boost water pressure in multiple applications from a tap, shower, complete bathroom or the whole property.

ECONOMY WITHOUT COMPROMISE

SHOWERMATE – High quality plastic pumps providing an effective solution to boost the performance of a single tap, shower or complete bathroom.



SHOWER BOOSTING

"Vented system high performance pumps for boosting a single tap, shower, bathroom or even the whole house."

GENERAL SELECTION GUIDE

OPEN VENTED / GRAVITY SYSTEM BOOSTING

Our MONSOON and SHOWERMATE pumps are suitable for use in homes featuring an open vented / gravity fed water system.

Also referred to as 'low pressure systems' they rely on the height of the cold water storage tank usually located in the loft space to create pressure at outlets such as showers, taps and other water using appliances.

These systems frequently suffer from poor water pressure and flow, especially noticeable from showers installed in a bathroom on the upper floor.

MONSOON and SHOWERMATE pumps are usually installed in the airing cupboard, next to the vented hot water cylinder and make a tremendous difference to shower, bathroom or whole house water performance depending on the model selected.

TAP



Improve the performance of a single tap.

SHOWER



Improve the performance of a shower.

BATHROOM



Improve the pressure and flow from all outlets within a bathroom (up to 4 outlets).

WHOLE HOUSE



Improve the pressure and flow from all outlets within the house (up to 3 bathrooms depending on model).

STANDARD & UNIVERSAL PUMPS



If the flow from the shower without a pump installed, that is, the flow due to gravity alone is more than 2 litres per minute, then a 'STANDARD' pump type can be used.



If the flow rate is less than 2 litres per minute then a 'negative head' situation exists and a 'UNIVERSAL' pump type should be selected.

























SINGLE & TWIN HEAD PUMPS



A single head pump can be used to boost either the hot or cold water supplies individually.



A twin head pump can be used to boost both hot and cold water supplies equally.

		WARRANTY	TAP	SHOWER	BATHROOM	HOUSE	COMPATIBILITY
SHOWERMATE STANDARD 		3 YEAR WARRANTY					
SHOWERMATE UNIVERSAL 		3 YEAR WARRANTY					 
MONSOON STANDARD 		5 YEAR WARRANTY					
MONSOON UNIVERSAL 		5 YEAR WARRANTY					 

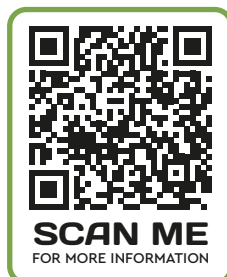
RESIDENTIAL SHOWER BOOSTING

MONSOON universal twin pumps

Fully automatic Universal twin pumps are designed for installation into vented systems to pump both the hot and cold water supplies within a property, boosting both equally. Suitable for both positive and negative head applications.

MONSOON Universal pumps do not require a gravity flow of water to start and are ideal for pressurising the supply in applications where outlets are higher than the water source, such as a loft conversion or where it is uncertain if a positive flow of water exists.

- ▶ UP TO 4.5 BAR PRESSURE
- ▶ COMPACT & EASY TO INSTALL
- ▶ PRE-WIRED WITH 1.5 METRE POWER CABLE
- ▶ EPDM/PTFE/AL. OXIDE SEAL



Part No	Model	Maximum head (bar)	Performance @ 9 l/min (bar)	Performance @ 18 l/min (bar)	Maximum flow rate (l/min)
46505	U1.5 bar Twin	1.5	1.3	0.8	32
46480	U2.0 bar Twin	2.0	1.5	1.1	35
46410	U3.0 bar Twin	3.0	2.5	1.9	40
46411	U4.0 bar Twin	4.0	3.5	2.8	45
46412	U4.5 bar Twin	4.5	3.8	3.2	51

MONSOON universal single pumps

Universal Single pumps can be used in pairs to boost hot and cold water supplies in vented systems independently, or as a single pump to boost a water supply as required.

MONSOON Universal pumps are fully automatic, do not require a gravity flow of water to start and are suitable for both positive and negative head applications.

- ▶ UP TO 4.5 BAR PRESSURE
- ▶ COMPACT & EASY TO INSTALL
- ▶ PRE-WIRED WITH 1.5 METRE POWER CABLE
- ▶ EPDM/PTFE/AL. OXIDE SEAL



Part No	Model	Maximum head (bar)	Performance @ 9 l/min (bar)	Performance @ 18 l/min (bar)	Maximum flow rate (l/min)
46498	U2.0 bar Single	2.0	1.2	n/a	18
46413	U3.0 bar Single	3.0	2.5	0.9	22
46414	U4.5 bar Single	4.5	3.5	1.7	26

RESIDENTIAL SHOWER BOOSTING

MONSOON standard twin pumps

Standard Twin pumps are designed for installation into vented systems to equally boost both the hot and cold water supplies to the whole house, bathroom or simply the shower.

MONSOON standard pumps require a flow of just 0.6 litres per minute through the outlet to start the pump and are suitable for positive head applications.

- ▶ UP TO 4.5 BAR PRESSURE
- ▶ COMPACT & EASY TO INSTALL
- ▶ PRE-WIRED WITH 1.5 METRE POWER CABLE
- ▶ EPDM/PTFE/AL. OXIDE SEAL



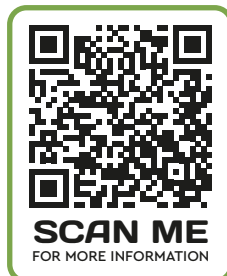
Part No	Model	Maximum head (bar)	Performance @ 9 l/min (bar)	Performance @ 18 l/min (bar)	Maximum flow rate (l/min)
46506	S1.5 bar Twin	1.5	1.2	1.1	49
46415	S2.0 bar Twin	2.0	1.5	1.3	55
46416	S3.0 bar Twin	3.0	2.5	2.1	60
46417	S4.0 bar Twin	4.2	3.5	3.0	65
46418	S4.5 bar Twin	4.5	3.9	3.4	78

MONSOON standard single pumps

Standard Single pumps are ideal for boosting water pressure in either the hot and cold water supply of a positive head application in vented systems.

They require just 0.6 litres per minute to start and are ideal for boosting the blended water outlet between the shower valve and shower head.

- ▶ UP TO 4.5 BAR PRESSURE
- ▶ COMPACT & EASY TO INSTALL
- ▶ PRE-WIRED WITH 1.5 METRE POWER CABLE
- ▶ EPDM/PTFE/AL. OXIDE SEAL



Part No	Model	Maximum head (bar)	Performance @ 9 l/min (bar)	Performance @ 18 l/min (bar)	Maximum flow rate (l/min)
46497	S2.0 bar Single	2.0	1.5	0.7	27
46419	S3.0 bar Single	3.0	2.5	1.6	33
46420	S4.5 bar Single	4.5	3.5	2.4	40

RESIDENTIAL SHOWER BOOSTING

SHOWERMATE universal twin pumps

Universal Twin pumps are designed for installation into vented systems to pump both the hot and cold water supplies, boosting both equally. Suitable for both positive and negative head applications.

They offer a high quality option for boosting water in a complete bathroom or to an individual shower and do not require a gravity flow of water to operate.

- ▶ UP TO 2.6 BAR PRESSURE
- ▶ COMPACT & EASY TO INSTALL
- ▶ PRE-WIRED WITH 1.5 METRE POWER CABLE
- ▶ EPDM/PTFE/AL. OXIDE SEAL



Part No	Model	Maximum head (bar)	Performance @ 9 l/min (bar)	Performance @ 18 l/min (bar)	Maximum flow rate (l/min)
47376	U2.0 bar Twin	2.0	1.6	1.1	40
47377	U2.6 bar Twin	2.6	1.9	1.3	42



SHOWERMATE universal single pumps

Universal single pumps can be used in pairs to boost vented systems to pump hot and cold water supplies independently, or as a single pump to boost a water supply as required.

They are suitable for both positive and negative head applications and do not require a gravity flow of water to operate.

- ▶ UP TO 2.6 BAR PRESSURE
- ▶ COMPACT & EASY TO INSTALL
- ▶ PRE-WIRED WITH 1.5 METRE POWER CABLE
- ▶ EPDM/PTFE/AL. OXIDE SEAL



Part No	Model	Maximum head (bar)	Performance @ 9 l/min (bar)	Performance @ 18 l/min (bar)	Maximum flow rate (l/min)
46534	U2.6 bar Single	2.6	1.5	0.5	22



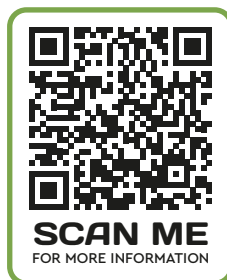
RESIDENTIAL SHOWER BOOSTING

SHOWERMATE standard twin pumps

Standard Twin pumps are designed for installation into vented systems to equally boost both hot and cold water supplies to the bathroom or single shower.

They require a gravity flow of 0.8 litres per minute through the outlet to operate and are suitable for positive head applications only.

- ▶ UP TO 2.6 BAR PRESSURE
- ▶ COMPACT & EASY TO INSTALL
- ▶ PRE-WIRED WITH 1.5 METRE POWER CABLE
- ▶ EPDM/PTFE/AL. OXIDE SEAL



Part No	Model	Maximum head (bar)	Performance @ 9 l/min (bar)	Performance @ 18 l/min (bar)	Maximum flow rate (l/min)
47342	S1.5 bar Twin	1.5	1.1	0.6	32
47343	S2.0 bar Twin	2.0	1.5	0.9	37
47344	S2.6 bar Twin	2.6	1.9	1.3	38

SHOWERMATE standard single pumps

Standard single pumps are ideal for boosting either the hot or cold water supply of a positive head application in vented systems.

They require a gravity flow of 0.8 litres per minute through the outlet to operate and are ideal for boosting the blended water to an outlet.

- ▶ UP TO 2.6 BAR PRESSURE
- ▶ COMPACT & EASY TO INSTALL
- ▶ PRE-WIRED WITH 1.5 METRE POWER CABLE
- ▶ EPDM/PTFE/AL. OXIDE SEAL



Part No	Model	Maximum head (bar)	Performance @ 9 l/min (bar)	Performance @ 18 l/min (bar)	Maximum flow rate (l/min)
47340	S2.0 bar Single	2.0	1.0	0.2	19
47341	S2.6 bar Single	2.6	1.2	0.3	20

RESIDENTIAL SHOWER BOOSTING

SHOWERMATE TP standard twin pumps

Standard Twin impeller pumps are designed to boost the incoming hot and cold water supply to an individual shower, bath, shower mixer or mixer tap.

Despite being an entry level pump, SHOWERMATE TP will help improve water pressure to a single appliance or shower and is suitable for positive head applications only.

- ▶ UP TO 2.0 BAR PRESSURE
- ▶ VERY COMPACT & EASY TO INSTALL
- ▶ PRE-WIRED WITH 1.5 METRE POWER CABLE
- ▶ EPDM/PTFE/AL. OXIDE SEAL



Part No	Model	Maximum head (bar)	Performance @ 9 l/min (bar)	Performance @ 18 l/min (bar)	Maximum flow rate (l/min)
49084	S1.5 bar Twin	1.5	1.0	0.7	32
49085	S2.0 bar Twin	2.0	1.5	0.9	35

SHOWERMATE TP standard single pumps

Standard Single pumps are designed to improve hot or cold water supplies to single taps or to pump blended water from a shower mixer.

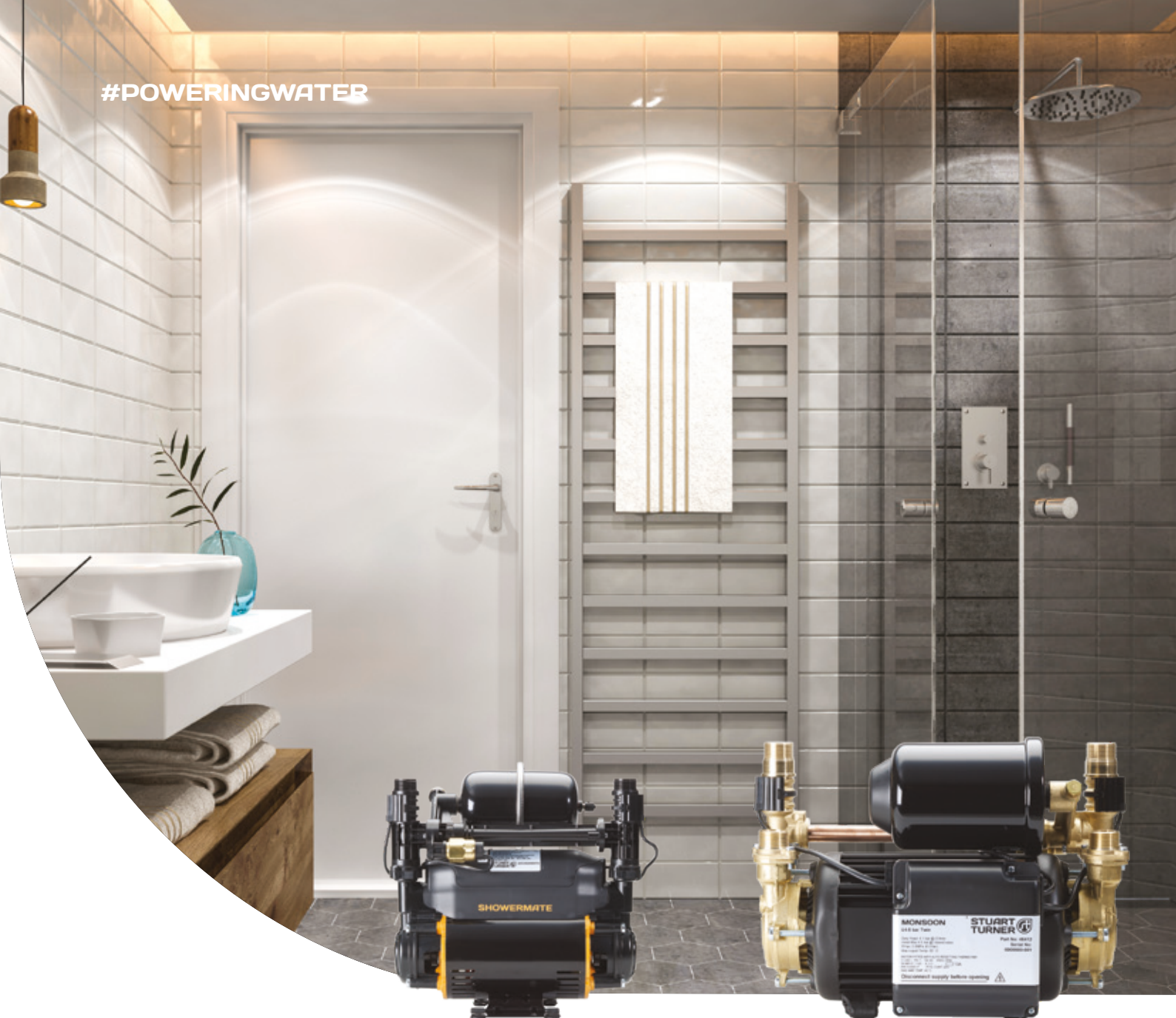
This pump requires a gravity flow of 0.8 litres per minute to start the pump and is suitable for positive head applications only.

- ▶ UP TO 2.0 BAR PRESSURE
- ▶ VERY COMPACT & EASY TO INSTALL
- ▶ PRE-WIRED WITH 1.5 METRE POWER CABLE
- ▶ EPDM/PTFE/AL. OXIDE SEAL



Part No	Model	Maximum head (bar)	Performance @ 9 l/min (bar)	Performance @ 18 l/min (bar)	Maximum flow rate (l/min)
49086	S2.0 bar Single	2.0	1.0	n/a	18

#POWERINGWATER



LOW PRESSURE? NO PROBLEM.

WHOLE HOUSE, BATHROOM AND SHOWER PUMPS

High quality shower, bathroom and whole house boosting pumps for gravity / open vented systems. Fully WRAS Approved Products supplied with flexible anti-vibration hoses as standard.

STUART-TURNER.CO.UK

RESIDENTIAL SHOWER BOOSTING

This application table is a general guide only and individual site conditions may vary. For advice or technical assistance in choosing the right pump, please contact **TechAssist on +44 (0) 0800 31 969 80**

		MONSOON										MONSOON					
		Twin										Single					
		1.5		2.0		3.0		4.0		4.5		2.0		3.0		4.5	
		Uni	Std	Uni	Std	Uni	Std	Uni	Std	Uni	Std	Uni	Std	Uni	Std	Uni	Std
Pressure bands		Medium				High						Med		High			
Boost hot or cold water to individual taps												●	●	●	●	●	●
Bath or basin mixer		●	●	●	●	●	●	●	●	●	●						
Boost hot water pressure to blend with mains cold water												●		●		●	
Shower only		●	●	●	●	●	●	●	●	●	●	● x2		● x2		● x2	
Blended shower water													●		●		●
Multi-function shower with body jets						●	●	●	●	●	●			● x2		● x2	
Boost tank fed cold water supply to electric shower												●		●		●	
Standard bath-shower/shower		●	●	●	●	●	●	●	●	●	●	● x2		● x2		● x2	
Bathroom only		●	●	●	●	●	●	●	●	●	●	● x2		● x2		● x2	
Supply to combination boiler from a break tank												●		●		●	
Apartments		●		●		●		●				● x2		● x2			
Whole house up to 2 bathrooms		●	●	●	●	●	●	●	●	●	●	● x2		● x2		● x2	
Whole house up to 3 bathrooms						●	●	●	●	●	●			● x2		● x2	

RESIDENTIAL SHOWER BOOSTING

This application table is a general guide only and individual site conditions may vary. For advice or technical assistance in choosing the right pump, please contact **TechAssist on +44 (0) 0800 31 969 80**

	SHOWERMATE								SHOWERMATE TP			
	Twin						Single			Twin		Single
	2.0		2.6		1.5	2.0	2.6		2.0	1.5	2.0	2.0
	Uni	Std	Uni	Std	Std	Std	Uni	Std	Std	Std	Std	Std
Pressure bands	Medium						Medium			Medium		
Boost hot or cold water to individual taps							●	●	●			●
Bath or basin mixer	●	●	●	●	●	●				●	●	
Boost hot water pressure to blend with mains cold water							●					
Shower only	●	●	●	●	●	●				●	●	
Blended shower water								●	●			●
Multi-function shower with body jets												
Boost tank fed cold water supply to electric shower							●					
Standard bath-shower/shower	●	●	●	●	●	●						
Bathroom	●	●	●	●			● x2					

RESIDENTIAL SHOWER BOOSTING

Vented System (Gravity Fed)

Typically used in older properties, this indirect system uses the mains water supply to feed a cold water storage tank, usually located in the roof space, which in turn feeds a hot water cylinder and cold outlets. The system relies on gravity to provide the pressure and flow.

Positive Head

A positive head exists when sufficient pressure is available under gravity to provide a flow at the outlet.

Typically a positive head condition exists where the flow from the outlet is more than 2 litres per minute.

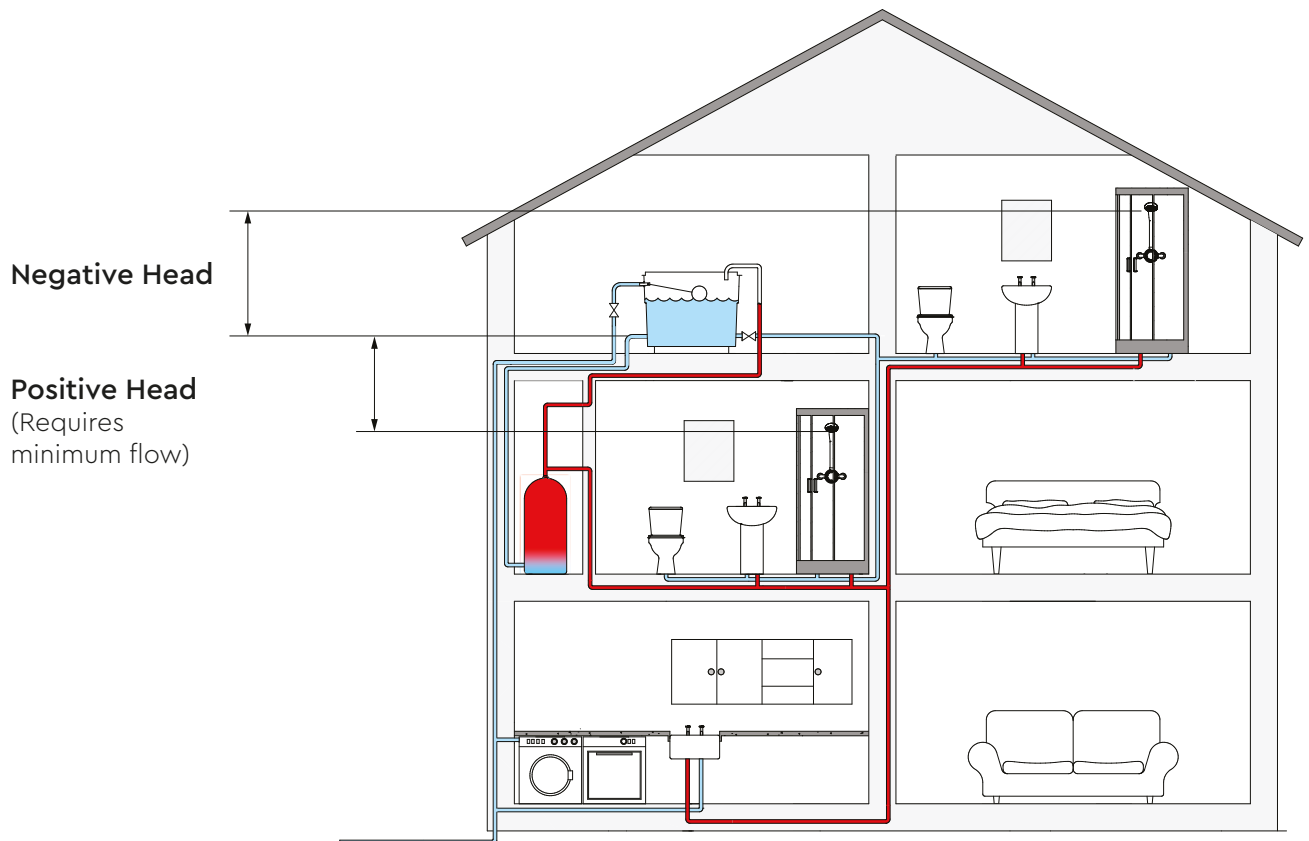
In this situation a 'Standard' pump can be used.

Negative Head

A negative head exists when there is an inadequate head of water under gravity to provide sufficient flow at the outlet.

Typically a negative head condition exists where the flow from the outlet is less than 2 litres per minute.

In this situation a 'Universal' pump must be used.



Pressures

Pumps are rated in bar, which is a measure of how much pressure they generate but it helps to know the height of the cold water cistern above an outlet as this dictates the static water pressure.

For example, 1 bar pressure is equal to 10 metres static head of water. Generally the higher the bar rating the higher the performance.

However, it is important to match the correct size of pump with the application to ensure optimum performance.

The following can be used as a guide:

- 1.0 bar pressure = Low boost
- 1.5 – 3.0 bar pressure = Medium boost
- 3.0 + bar pressure = High boost

RESIDENTIAL SHOWER BOOSTING

Peripheral Pumps

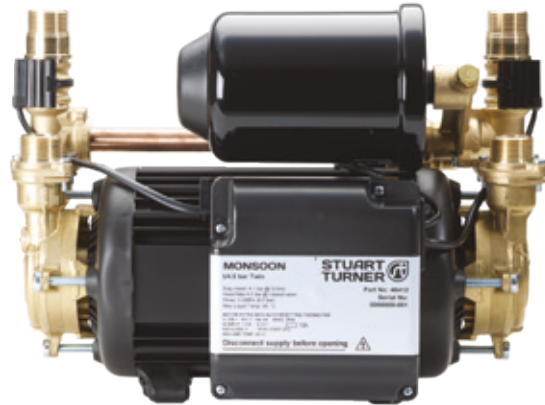
In this pump type, water is circulated and gains pressure around the periphery of the pump head. Peripheral pumps are compact and system friendly as they tolerate high hot water temperatures and air within the system to a greater extent than an equivalent centrifugal pump. They are ideal for applications where higher pressures with nominal flows are required.

Universal Pumps

Universal pumps operate in positive or negative head conditions and do not require a gravity flow to start, incorporating both a pressure and flow switch.

The pump starts automatically when the pressure switch detects a drop in pressure when an outlet opens. The flow switch keeps the pump running whilst there is sufficient flow of water.

When the flow stops, the pump continues to run for 3 seconds allowing the system to re-pressurise.



Standard Pumps

A standard pump is suitable for positive head conditions only and is operated by a flow switch, automatically starting when a gravity flow of water greater than approximately 2 ltrs/min through the outlet is detected.

The pump will automatically stop when the outlet is closed and the flow ceases.



Twin and Single head pumps

Twin pumps are designed to boost both hot and cold water supplies equally. Single pumps are designed to boost single water supplies; hot, cold or pre-mixed.





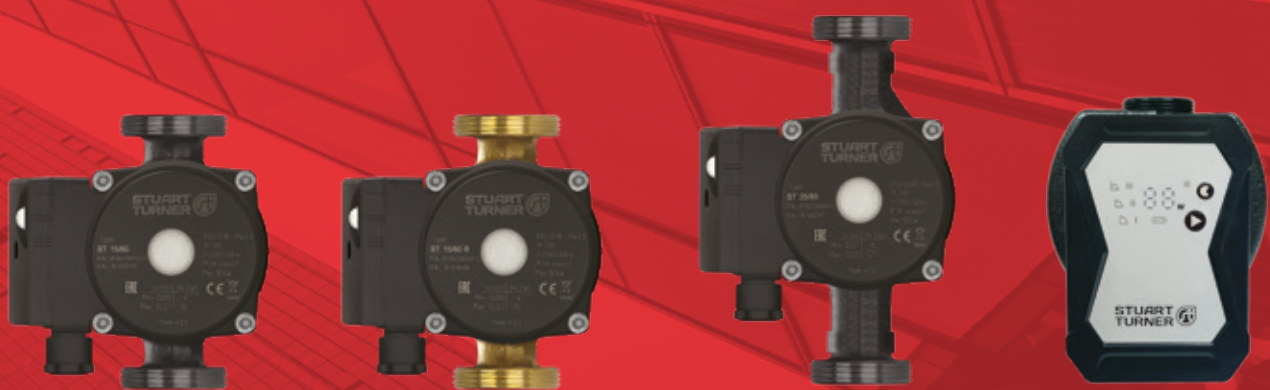
INTRODUCING

RESIDENTIAL CIRCULATORS

NEVER MISS A BEAT

Electronically controlled high-efficiency circulators for heating, air conditioning, cooling and hot water systems.

STUART Circulators are used for the transfer of liquid medium within systems for hot-water, heating, air-conditioning and ventilation. With five different control modes plus an automatic operation function and an EEI rating from just 0.18 Stuart Circulators are ErP compliant.



CIRCULATORS

"Stuart Turner Circulators: The reliable and high-quality choice for residential heating, cooling, and hot water systems."

RESIDENTIAL CIRCULATORS

STUART PULSE TRADE 25/60-130 premium circulator

The STUART PULSE Trade 25/60-130 premium circulator is capable of flow rates up to 3.6 m³/hour and heads up to 6 metres.

Suitable as an ideal replacement for existing 130 mm fitting length stand-alone heating system circulators whilst offering superior energy efficiency, reliability and ease of use.

The STUART PULSE TRADE 25/60-130 circulator also features automatic adapt, proportional pressure, constant pressure and constant speed operating modes and is supplied with a 1.3m power cable, shrouded connector and 5 year warranty as standard.

- ▶ AUTOMATIC ADAPT MODE
- ▶ HIGH EFFICIENCY EEI RATING ≤ 0.20
- ▶ FLOW RATES UP TO 3.6 M³/HOUR
- ▶ UP TO 6 M HEAD
- ▶ 1.3 M CABLE AND CONNECTOR



Part No	Model	Port to Port (mm)	Connections	Maximum head (metres)	Maximum flow rate (m³/hour)
47505	STUART PULSE TRADE 25/60-130	130	G 1½	6.0	3.6

STUART UFH mixer and single zone

Available as mixer set or single zone options. The STUART underfloor heating single loop pump mixer sets have been designed specifically for small areas such as conservatories, kitchens and extensions. The units comprise inlet isolation elbows, thermostatic blending valve, STUART PULSE 25/60 pump and outlet union supplied with a nickel plated surface finish.

Stuart underfloor heating pump mixer sets are designed to blend flow and return from the heat source in underfloor heating systems which have a heating load of up to 15kW.

- ▶ HIGH EFFICIENCY 0.20 EEI RATING
- ▶ FLOW RATES UP TO 3.6 M³/HOUR
- ▶ UP TO 6.0 M HEAD
- ▶ 3 SPEED SETTINGS
- ▶ INSTALLATION KIT INCLUDED



Part No	Model	Fitting length (mm)	Connections	Maximum head (metres)	Maximum flow rate (m³/hour)
47396	STUART UFH Single Zone Mixer Set	281	G 1 ½ F / 15 mm	5.8	3.3
47397	STUART UFH Multi Zone Mixer Set	323	G1	5.8	3.3

RESIDENTIAL CIRCULATORS

STUART ST heating circulators

STUART ST circulators are Erp and EuP compliant and designed for use in new systems or as a replacement in existing heating systems.

The range features the latest in high efficiency technology, with proportional pressure control and an EEI rating of 0.20 or lower.

- ▶ EEI RATING FROM 0.18
- ▶ FLOW RATES UP TO 4.5 M³/HOUR
- ▶ UP TO 8 M HEAD
- ▶ AUTOMATIC VENTING CYCLE
- ▶ CAST IRON CONSTRUCTION
- ▶ 130 MM AND 180MM OPTIONS



5 YEAR WARRANTY

EEI 0.18
ST 15/60-130

EEI 0.20
ST 25/80-180



Part No	Model	Port to Port (mm)	Connections	Maximum head (metres)	Maximum flow rate (m ³ /hour)
47073	STUART ST 15/60-130	130	Rp 1½	5.8	3.3
47075	STUART ST 25/80-180	180	Rp 1½	8.0	4.5

STUART ST hot water circulators

STUART ST circulators are Erp and EuP compliant and designed for use in new systems or as a replacement in hot water circulation systems.

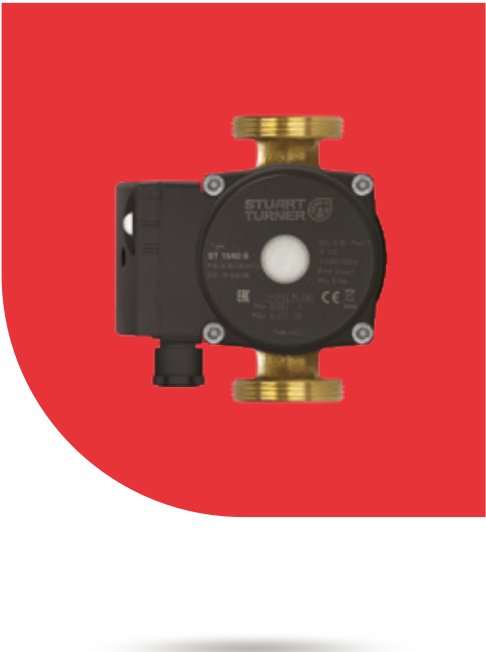
The range features the latest in high efficiency technology, with proportional pressure control and an EEI rating of 0.18.

- ▶ EEI RATING FROM 0.18
- ▶ FLOW RATES UP TO 4.5 M³/HOUR
- ▶ 5.8 M HEAD
- ▶ AUTOMATIC VENTING CYCLE
- ▶ BRONZE CONSTRUCTION
- ▶ 130 MM FITTING LENGTH



3 YEAR WARRANTY

EEI 0.18



Part No	Model	Port to Port (mm)	Connections	Maximum head (metres)	Maximum flow rate (m ³ /hour)
47074	STUART ST 15/60B-130	130	Rp 1½	5.8	3.3



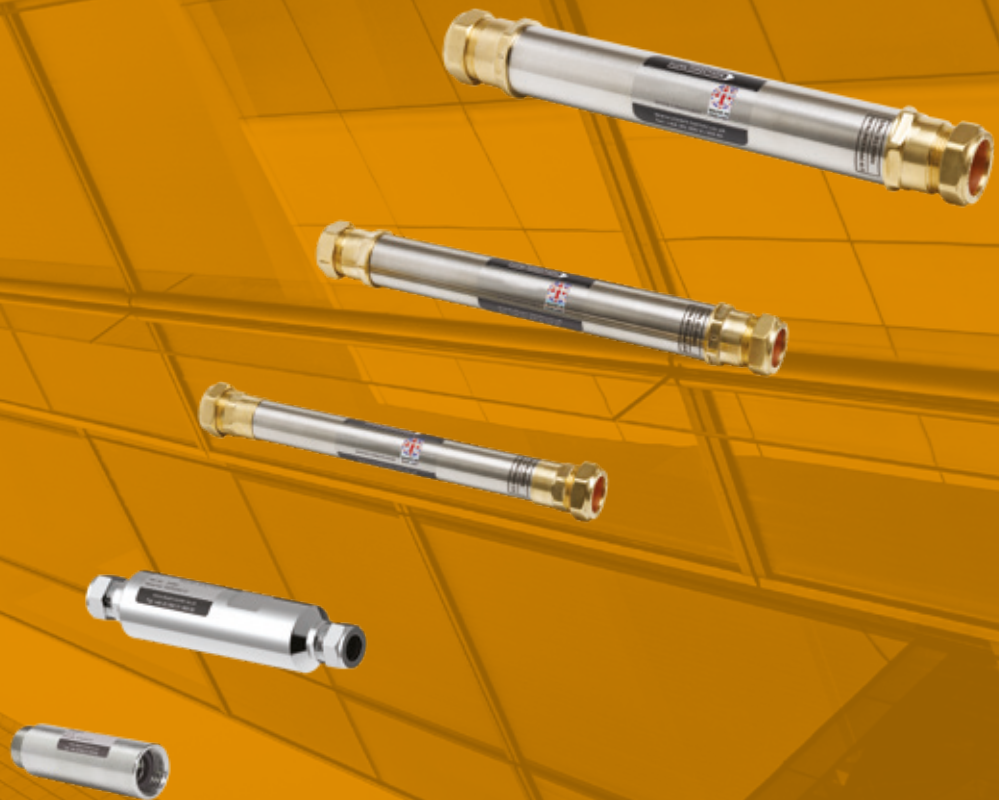
INTRODUCING

RESIDENTIAL WATER CONDITIONING & TREATMENT

CRYSTAL CLEAR WATER STARTS HERE

Our highly effective magnetic and catalytic scale reducers and water conditioners for residential applications.

The catalytic process treats the water supply as it is used and causes the calcium carbonate to precipitate into microscopic crystals. These crystals then float in suspension in the water without adhering to any surfaces, ensuring that shower heads or appliances do not scale up and remain easy to clean whilst maintaining maximum shower head flow.



WATER CONDITIONERS

"Our residential scale reducers and water conditioners are highly effective at preventing scale build up and maintaining optimal water flow for easy cleaning and enhanced performance."

RESIDENTIAL WATER CONDITIONING & TREATMENT

STUART 1/2" mini water conditioner

Developed specifically for single point of use domestic shower applications, the STUART 1/2" Mini Water Conditioner features an unique catalytic alloy core which effectively prevents hard lime scale deposits from forming.

The catalytic process treats the water supply as it is used and causes the calcium carbonate to precipitate into microscopic crystals. These crystals then float in suspension in the water without adhering to any surfaces, ensuring that shower heads or appliances do not scale up and remain easy to clean whilst maintaining maximum shower head flow.

- ▶ CATALYTIC CONDITIONER
- ▶ RAPID INSTALLATION
- ▶ MAINTENANCE FREE
- ▶ 10 YEAR WARRANTY



Part No	Model	Optimum flow rate range (l/min)
44785	STUART 1/2" Mini Water Conditioner	3 – 14

STUART 15mm magnetic scale reducer

Economical anti-scale water treatment device providing an effective non-chemical approach to preventing the build up of hard scale deposits.

Compact and easy to install in-line with existing pipework, the unit features a high quality polished stainless steel construction and requires no ongoing maintenance.

Suitable for point of use on individual domestic applications where treated water will be used immediately.

- ▶ POINT OF USE MAGNETIC SCALE REDUCER
- ▶ OPTIMUM FLOW RATES FROM 3 – 14 LITRES / MIN
- ▶ SIMPLE IN-LINE INSTALLATION
- ▶ MAINTENANCE FREE



Part No	Model	Optimum flow rate range (l/min)
44860	STUART 15mm Magnetic Scale Reducer	3 – 14

RESIDENTIAL WATER CONDITIONING & TREATMENT

STUART catalytic water conditioners

WRAS approved and designed to ensure lime scale prevention in domestic properties, including water outlets and household appliances. The STUART range of Water Conditioners offer a solution to match the typical water flow from the cold water mains to the property and are simply installed in-line with the existing pipework and are completely maintenance free and warranted for 10 years.

The catalytic process treats the water supply as it is used and causes the calcium carbonate to precipitate into microscopic crystals. These crystals then float in suspension in the water without adhering to any surfaces, ensuring that shower heads or appliances do not scale up and remain easy to clean whilst maintaining maximum shower head flow.

- ▶ CATALYTIC CONDITIONERS
- ▶ OPTIMUM FLOW RATES FROM 3 – 75 LITRES / MIN
- ▶ SIMPLE IN-LINE INSTALLATION
- ▶ MAINTENANCE FREE



Part No	Model	Optimum flow rate range (l/min)
44617	STUART Water Conditioner C3-22	3 – 22
44618	STUART Water Conditioner C23-45	23 – 45
46410	STUART Water Conditioner C46-75	46 – 75

WATER Conditioning & Treatment

Highly effective magnetic and catalytic scale reducers and water conditioners for residential and commercial applications.

- ▶ Reduced hard scale build up
- ▶ Maintenance free
- ▶ Simple installation

OUR SOLUTIONS #POWERING WATER

BOOSTER SETS & COLD WATER STORAGE

A comprehensive range of cold water booster sets and integrated booster systems.

- ▶ Advanced variable speed pump controls
- ▶ High performance vertical and horizontal pump options
- ▶ Bespoke system design capability



PRESSURISATION & EXPANSION VESSELS

Sealed system pressurisation units and expansion vessels representing the ultimate in design and system control.

- ▶ Fully automated
- ▶ Advanced digital controls
- ▶ Compact and simple to install



MAINS BOOSTING

Mains water boosting solutions designed to dramatically improve water pressure and flow rates.

- ▶ Improved unvented water cylinder, combi boiler and shower performance
- ▶ Enables multiple outlets to run simultaneously



SHOWER PUMPS

Water pressure and flow boosting pumps for gravity / open-vented systems.

- ▶ High quality brass or plastic pump head options
- ▶ Single and twin pump head options
- ▶ Fully automatic operation



GENERAL PURPOSE WATER PUMPS

A diverse range of general purpose water pumps for transfer and boosting applications.

- ▶ Water transfer
- ▶ Water pressure and flow boosting
- ▶ Fully submersible options



WATER CONDITIONERS & TREATMENT

Highly effective magnetic and catalytic scale reducers and water conditioners for residential and commercial applications.

- ▶ Reduced hard scale build up
- ▶ Maintenance free
- ▶ Simple installation



CIRCULATOR PUMPS

High efficiency circulator pumps for residential heating, air conditioning, cooling and potable water applications.

- ▶ High efficiency, energy saving
- ▶ Advanced digital controls
- ▶ Multiple operating modes



ACCESSORIES, SPARES & SERVICE KITS

An extensive range of accessories, service kits and spare parts.

- ▶ Pump control units
- ▶ Hot water cylinder flanges
- ▶ Mains water pressure and flow test kits
- ▶ Service kits and spares



EXPLORE OUR SOLUTIONS ONLINE

Explore our comprehensive range of products from **Stuart Turner**, **Mikrofill**, and **Aquatech Pressmain**, tailored to meet diverse **residential** and **commercial** water system needs. Browse these across our two product sites:

- ▶ www.stuart-turner.co.uk residential and commercial solutions
- ▶ www.mikrofill.com for commercial solutions

Discover The Perfect Solution For Your Water System Requirements Today.



NOTES

This image shows a full page of blank graph paper. The grid consists of thin, light gray horizontal and vertical lines that intersect to form small squares across the entire surface. There are no margins, text, or other markings on the paper.

POWERING WATER FOR EVERY APPLICATION

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