

**INTRODUCING**

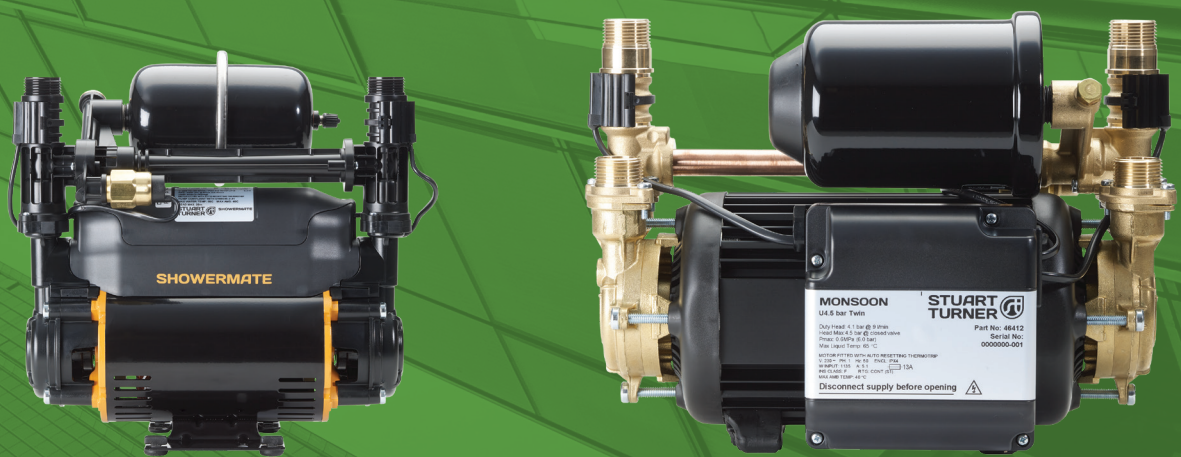
# **RESIDENTIAL SHOWER BOOSTING**

## **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
<b>SHOWERMATE STANDARD</b> 	<b>3 YEAR WARRANTY</b>					
<b>SHOWERMATE UNIVERSAL</b> 	<b>3 YEAR WARRANTY</b>					 
<b>MONSOON STANDARD</b> 	<b>5 YEAR WARRANTY</b>					
<b>MONSOON UNIVERSAL</b> 	<b>5 YEAR WARRANTY</b>					 

# 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



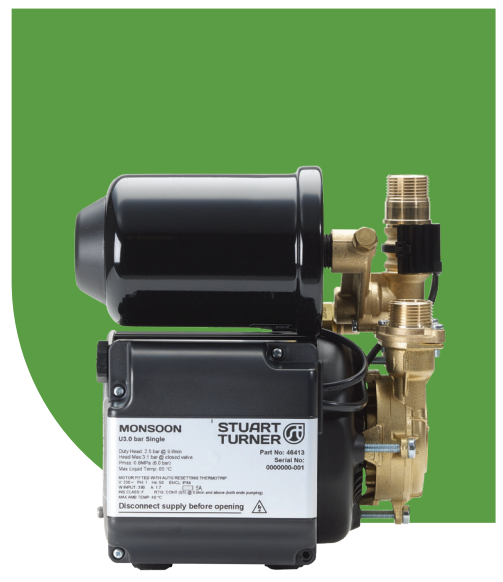
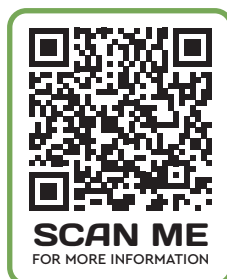
Part No	Model	Maximum head (bar)	Performance @ 9 l/min (bar)	Performance @ 18 l/min (bar)	Maximum flow rate (l/min)
46505	U1.5 bar Twin	1.5	1.3	0.8	32
46480	U2.0 bar Twin	2.0	1.5	1.1	35
46410	U3.0 bar Twin	3.0	2.5	1.9	40
46411	U4.0 bar Twin	4.0	3.5	2.8	45
46412	U4.5 bar Twin	4.5	3.8	3.2	51

## 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

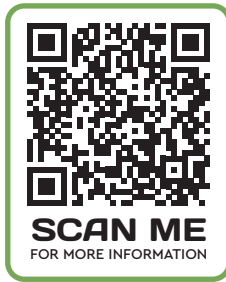
# RESIDENTIAL SHOWER BOOSTING

## 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



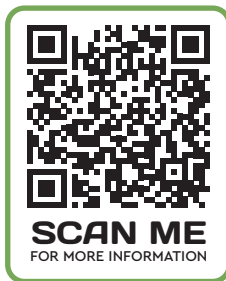
Part No	Model	Maximum head (bar)	Performance @ 9 l/min (bar)	Performance @ 18 l/min (bar)	Maximum flow rate (l/min)
47376	U2.0 bar Twin	2.0	1.6	1.1	40
47377	U2.6 bar Twin	2.6	1.9	1.3	42

## 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

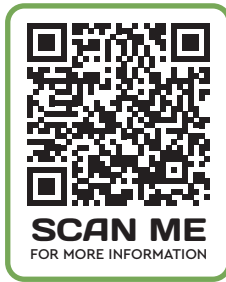
# RESIDENTIAL SHOWER BOOSTING

## 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



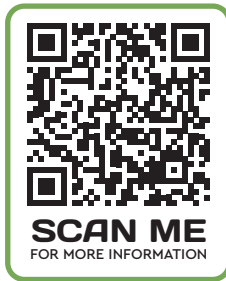
Part No	Model	Maximum head (bar)	Performance @ 9 l/min (bar)	Performance @ 18 l/min (bar)	Maximum flow rate (l/min)
47342	S1.5 bar Twin	1.5	1.1	0.6	32
47343	S2.0 bar Twin	2.0	1.5	0.9	37
47344	S2.6 bar Twin	2.6	1.9	1.3	38

## 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

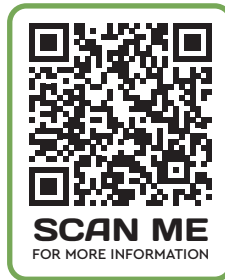
# RESIDENTIAL SHOWER BOOSTING

## 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



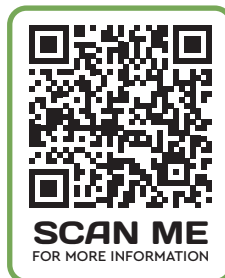
Part No	Model	Maximum head (bar)	Performance @ 9 l/min (bar)	Performance @ 18 l/min (bar)	Maximum flow rate (l/min)
49084	S1.5 bar Twin	1.5	1.0	0.7	32
49085	S2.0 bar Twin	2.0	1.5	0.9	35

## 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.

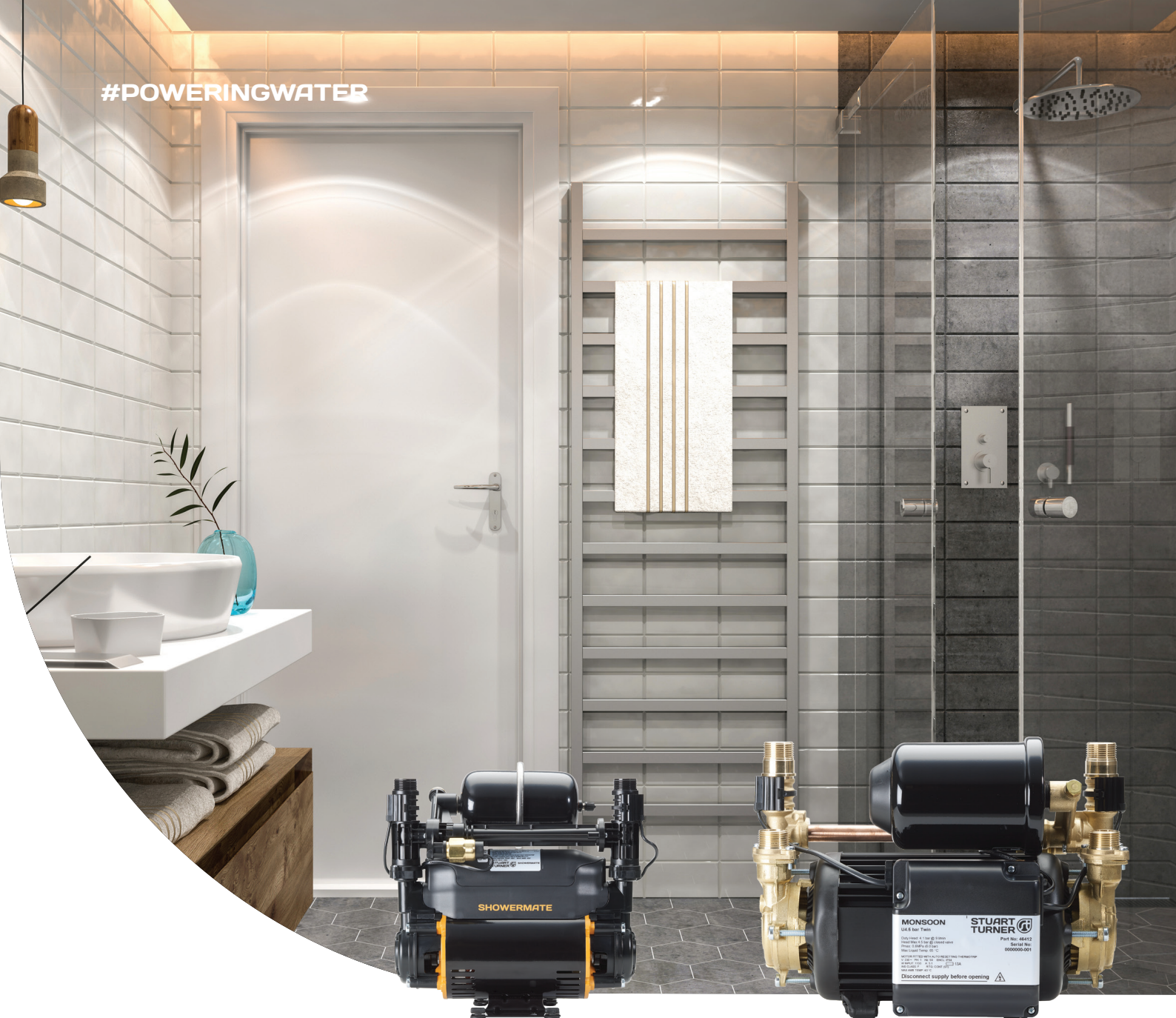
This pump requires a gravity flow of 0.8 litres per minute to start the pump and is suitable for positive head applications only.

- ▶ 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](http://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	●	●	●	●	●	●	●	●	●	●	●		●		●	
Blended shower water												●		●		●
Multi-function shower with body jets						●	●	●	●	●			●		●	
Boost tank fed cold water supply to electric shower											●		●		●	
Standard bath-shower/shower	●	●	●	●	●	●	●	●	●	●	●		●		●	
Bathroom only	●	●	●	●	●	●	●	●	●	●	●		●		●	
Supply to combination boiler from a break tank											●		●		●	
Apartments	●		●		●		●		●		●		●		●	
Whole house up to 2 bathrooms	●	●	●	●	●	●	●	●	●	●	●		●		●	
Whole house up to 3 bathrooms						●	●	●	●	●	●		●		●	

# 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			
	Uni	Std	Uni	Std	Std	Std	Uni	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.

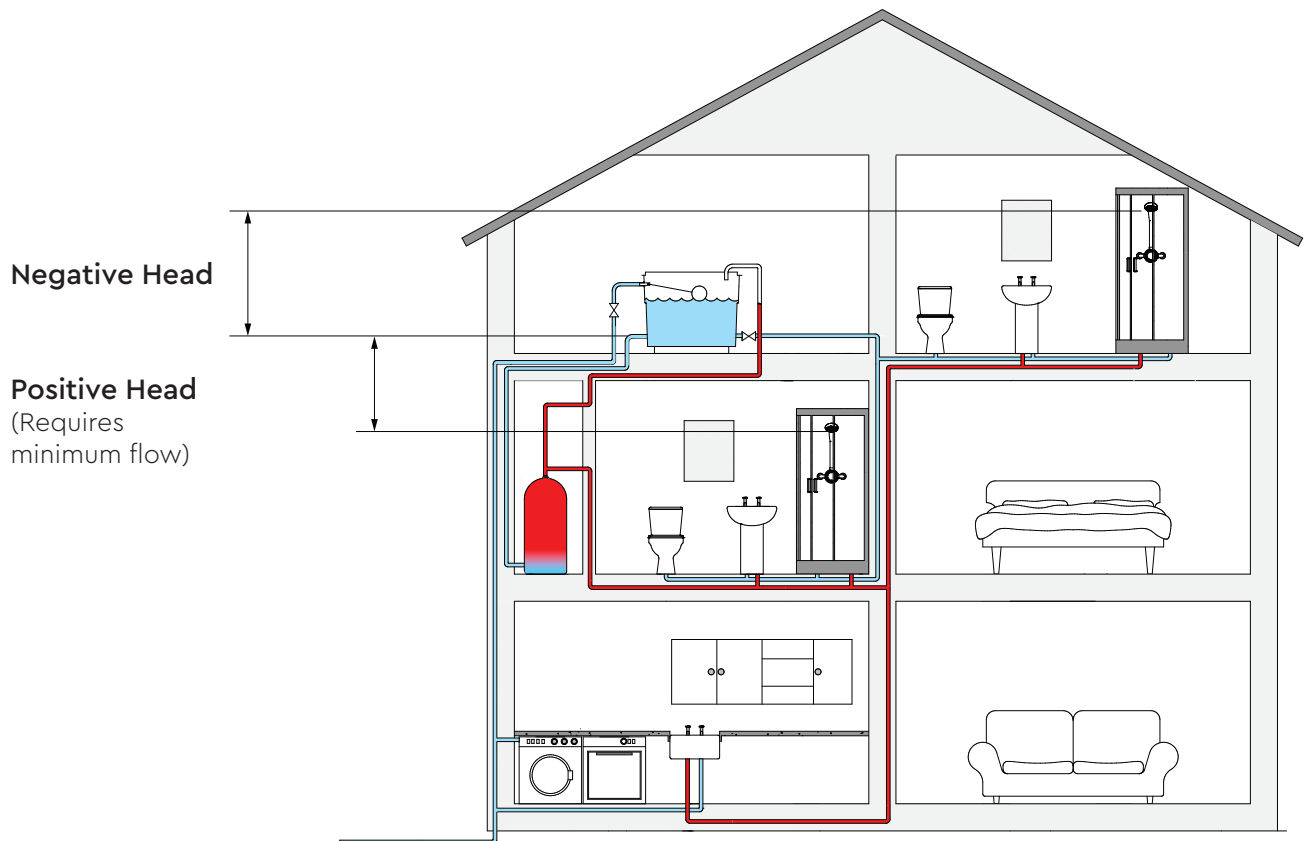
In this situation a 'Standard' pump can be used.

## 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

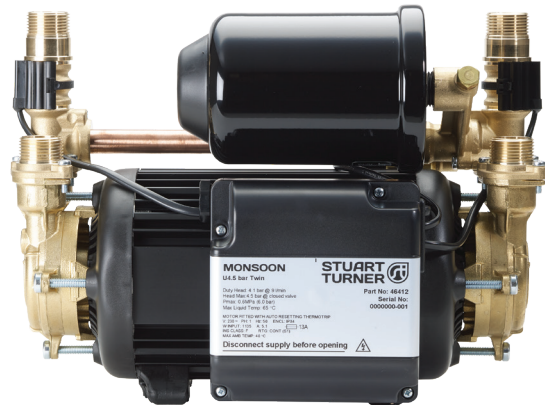
In this pump type, water is circulated and gains pressure around the periphery of the pump head. Peripheral pumps are compact and system friendly as they tolerate high hot water temperatures and air within the system to a greater extent than an equivalent centrifugal pump. They are ideal for applications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

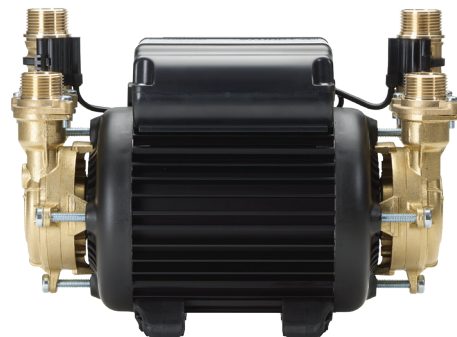
When the flow stops, the pump continues to run for 3 seconds allowing the system to re-pressurise.



## Standard Pumps

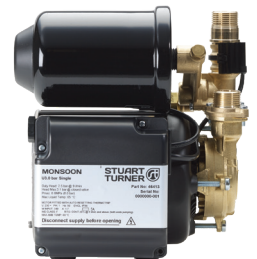
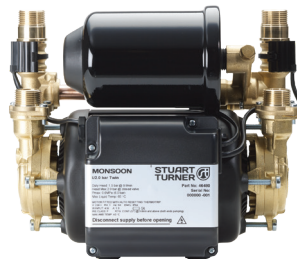
A standard pump is suitable for positive head conditions only and is operated by a flow switch, automatically starting when a gravity flow of water greater than approximately 2 ltrs/min through the outlet is detected.

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 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.

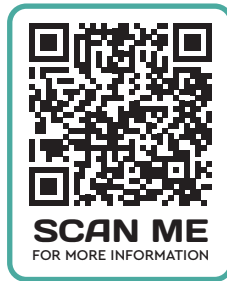
The iBOLT 03 single pump range delivers flow rates up to 5.0 m<sup>3</sup>/hour and head pressures of up to 9.0 bar.

The iBOLT 05 single pump range delivers flow rates up 8.0 m<sup>3</sup>/hour and head pressures of up to 9.2 bar.

The iBOLT 09 single pump range delivers flow rates up 15.0 m<sup>3</sup>/hour and head pressures of up to 7.1 bar.

The iBOLT 15 single pump range delivers flow rates up to 25.0 m<sup>3</sup>/hour and head pressures of up to 4.4 bar.

- ▶ UP TO 9.2 BAR PRESSURE
- ▶ FLOW RATES UP TO 25 M<sup>3</sup>/ HOUR
- ▶ ADVANCED VARIABLE SPEED CONTROL
- ▶ DRY RUN PROTECTION
- ▶ WRAS APPROVED 8 LITRE PRESSURE VESSEL



Part No	Model	Pumps	Nominal Flow (m <sup>3</sup> /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 m<sup>3</sup>/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 m<sup>3</sup>/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 m<sup>3</sup>/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 m<sup>3</sup>/hour (per pump) and head pressures of up to 4.4 bar.

- ▶ UP TO 9.2 BAR PRESSURE
- ▶ FLOW RATES UP TO 50 M<sup>3</sup>/ HOUR
- ▶ ADVANCED VARIABLE SPEED CONTROL
- ▶ DRY RUN PROTECTION
- ▶ WRAS APPROVED 24 LITRE PRESSURE VESSEL



Part No	Model	Pumps	Nominal Flow (per pump) (m <sup>3</sup> /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.

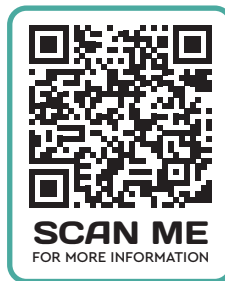
The iBOLT 03 range delivers flow rates up to 5.0 m<sup>3</sup>/hour (per pump) and head pressures of up to 9.0 bar.

The iBOLT 05 range delivers flow rates up to 8.0 m<sup>3</sup>/hour (per pump) and head pressures of up to 9.2 bar.

The iBOLT 09 range delivers flow rates up to 15.0 m<sup>3</sup>/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 m<sup>3</sup>/hour (per pump) and head pressures of up to 4.4 bar.

- ▶ UP TO 9.2 BAR PRESSURE
- ▶ FLOW RATES UP TO 75 M<sup>3</sup>/ HOUR
- ▶ ADVANCED VARIABLE SPEED CONTROL
- ▶ DRY RUN PROTECTION
- ▶ WRAS APPROVED 24 LITRE PRESSURE VESSEL



Part No	Model	Pumps	Nominal Flow (per pump) (m <sup>3</sup> /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

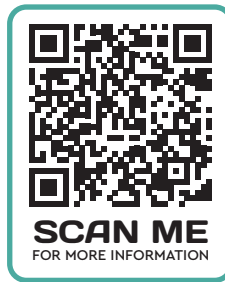
# RESIDENTIAL BOOSTER SETS

## 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 M<sup>3</sup>/hour and head pressures of up to 6.4 bar.

- ▶ UP TO 6.4 BAR PRESSURE
- ▶ FLOW RATES UP TO 6 M<sup>3</sup> / 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 <sup>3</sup> /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 m<sup>3</sup>/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 m<sup>3</sup>/hour per pump and head pressures of up to 6.6 bar.

- ▶ UP TO 6.6 BAR PRESSURE
- ▶ FLOW RATES UP TO 20 M<sup>3</sup> / 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 <sup>3</sup> /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

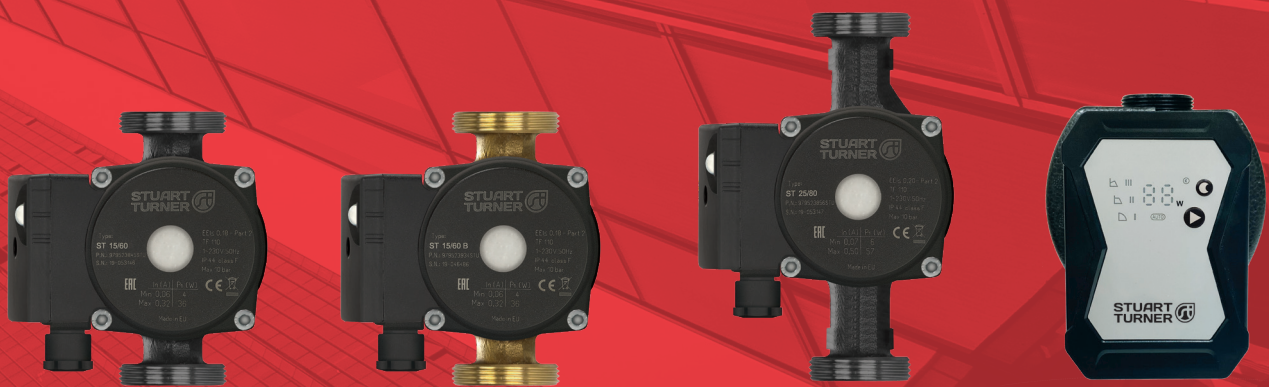
**INTRODUCING**

# **RESIDENTIAL 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 m<sup>3</sup>/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 M<sup>3</sup>/HOUR
- ▶ UP TO 6 M HEAD
- ▶ 1.3 M CABLE AND CONNECTOR



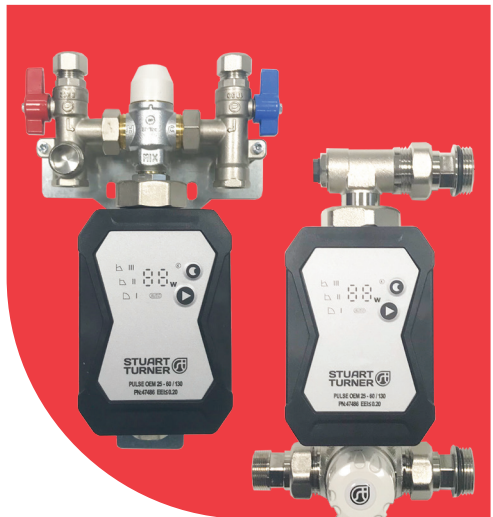
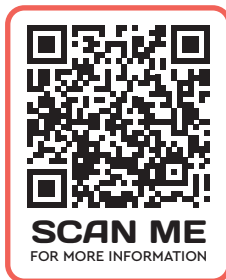
Part No	Model	Port to Port (mm)	Connections	Maximum head (metres)	Maximum flow rate (m <sup>3</sup> /hour)
47505	STUART PULSE TRADE 25/60-130	130	G 1½	6.0	3.6

## 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 M<sup>3</sup>/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 (m <sup>3</sup> /hour)
47396	STUART UFH Single Zone Mixer Set	281	G 1½ F / 15 mm	5.8	3.3
47397	STUART UFH Multi Zone Mixer Set	323	G1	5.8	3.3

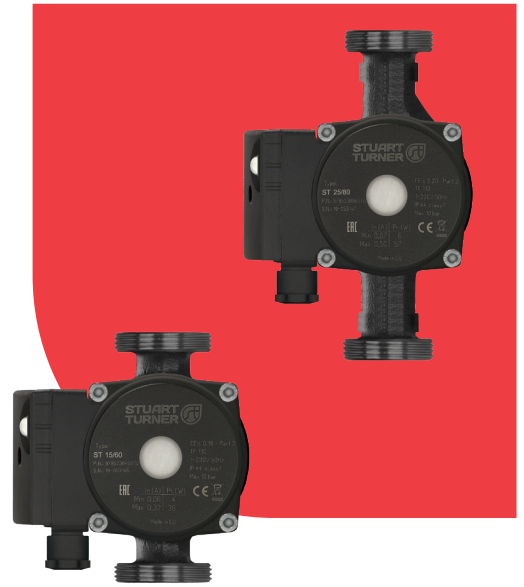
# RESIDENTIAL CIRCULATORS

## 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 M<sup>3</sup>/HOUR
- ▶ UP TO 8 M HEAD
- ▶ AUTOMATIC VENTING CYCLE
- ▶ CAST IRON CONSTRUCTION
- ▶ 130 MM AND 180MM OPTIONS



ST 15/60-130

ST 25/80-180

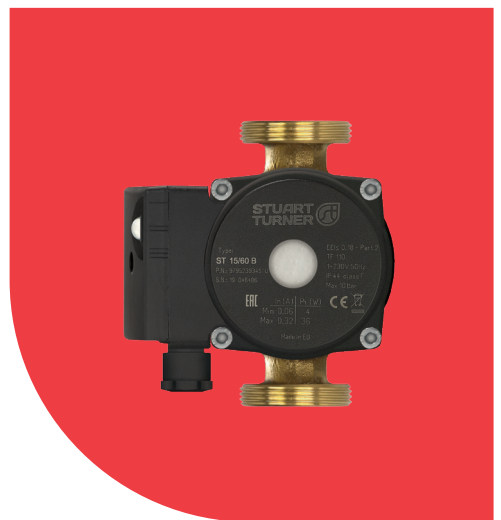
Part No	Model	Port to Port (mm)	Connections	Maximum head (metres)	Maximum flow rate (m <sup>3</sup> /hour)
47073	STUART ST 15/60-130	130	Rp 1½	5.8	3.3
47075	STUART ST 25/80-180	180	Rp 1½	8.0	4.5

## 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 M<sup>3</sup>/HOUR
- ▶ 5.8 M HEAD
- ▶ AUTOMATIC VENTING CYCLE
- ▶ BRONZE CONSTRUCTION
- ▶ 130 MM FITTING LENGTH



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

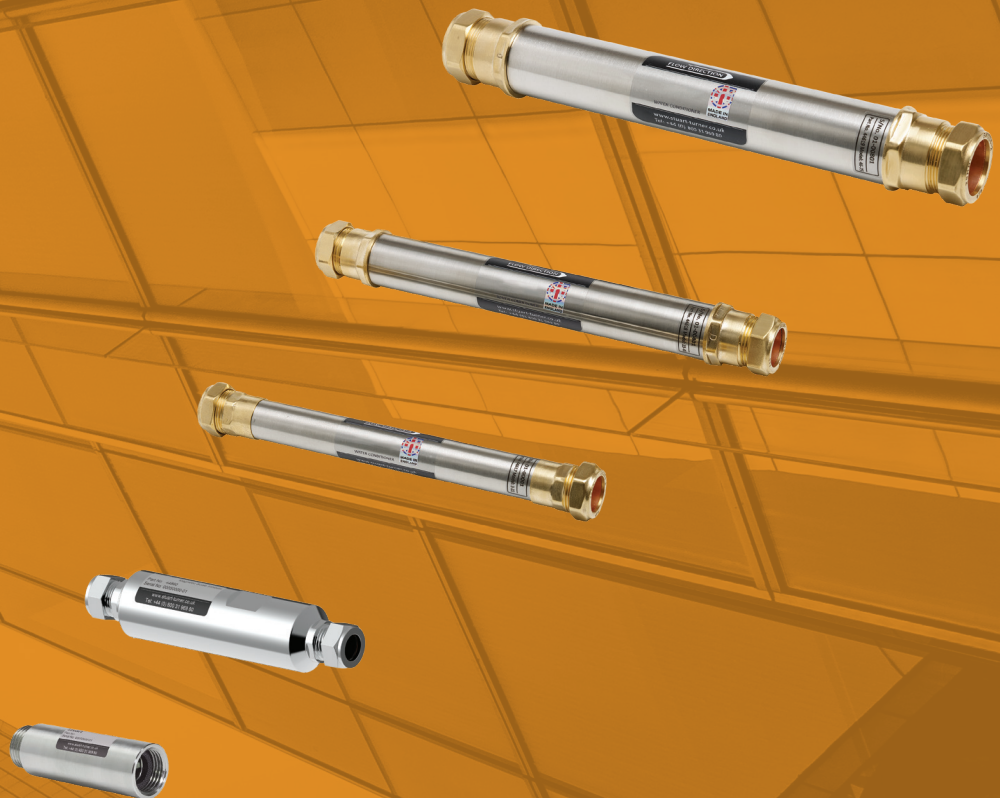
INTRODUCING

# 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."**

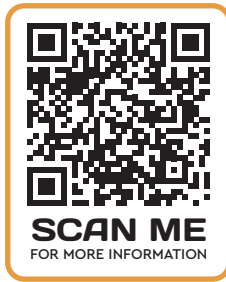
# RESIDENTIAL WATER CONDITIONING & TREATMENT

## 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

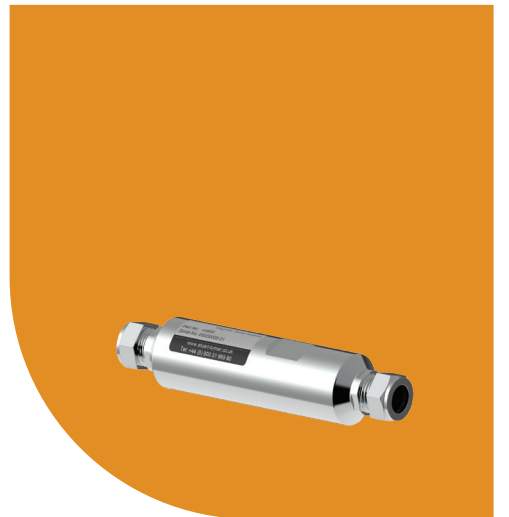
## STUART 15mm magnetic scale reducer

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

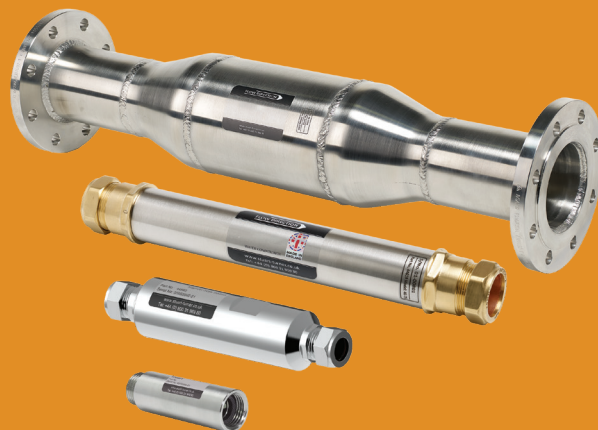


Part No	Model	Optimum flow rate range (l/min)
44617	STUART Water Conditioner C3-22	3 - 22
44618	STUART Water Conditioner C23-45	23 - 45
46410	STUART Water Conditioner C46-75	46 - 75

## 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 hot 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](http://www.stuart-turner.co.uk) residential and commercial solutions
- ▶ [www.mikrofill.com](http://www.mikrofill.com) for commercial solutions

**Discover The Perfect Solution For Your Water System Requirements Today.**



# NOTES

