

# STUART TURNER

Inspired by water, delivered through technology



## Pump Solutions

 monsoon

 monsoon  
extra

showermate 

showermate   
eco

**STUART**  
commercial

# Stuart Turner Brands

Our brands are specifically designed and developed to provide a comprehensive range of solutions for applications in both domestic and commercial markets. To help you choose the correct pump a summary of our brands and their main applications are listed below.

Full details of the products available for each brand, together with the key technical specifications are shown in the following pages.

## **monsoon** pages 6-9

Monsoon is a range of high performance brass pumps specifically designed to meet the demands of the power showering and home water pressure boosting market.

## **monsoon extra** pages 10-13

Monsoon Extra are high flow rate pumps designed for meeting power showering and pressure boosting demands in larger homes, leisure centres and hotels.

## **showermate** pages 14-18

Showermate is a range of quality plastic pumps which have been designed to meet the power showering demands of an individual shower or bath & shower combination and offer excellent value for money.

## **STUART** **commercial** page 19

Stuart Commercial is an extensive range of durable pumps specifically designed to meet a diverse range of needs across a variety of commercial applications.

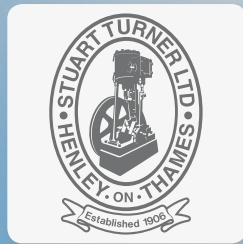
# A name you can trust

When you choose a Stuart Turner pump you are investing in a name you can trust to deliver quality, design innovation, value for money and industry-leading service.

Stuart Turner offer an extensive range of pump solutions, catering for almost every application, from residential home boosting pumps to a wide range of pumps for various commercial applications.

## History

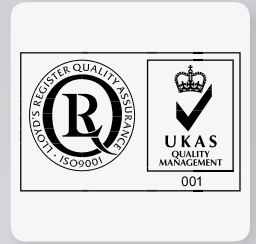
Established in 1906 and still operating from the same site based in Henley-on-Thames, Stuart Turner has gained over 100 years of engineering experience. During this time we have achieved an enviable market leading reputation both in UK and International markets.



## Quality

The Stuart Turner name is synonymous with quality and we continually strive to build and improve on this hard earned reputation.

All our pumps are 100% factory tested, are WRAS approved, meet stringent electrical regulations and are designed and manufactured within our ISO 9001 quality controlled facility.



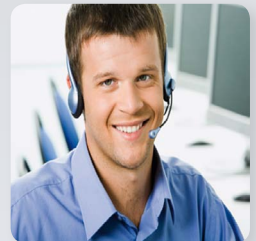
## Innovation

Our continual investment in engineering experience and manufacturing capability has kept us at the forefront of design technology and product innovation. Stuart Turner products offer the greatest value for money by being the most efficient, reliable and safest products available in the market today.



## Service

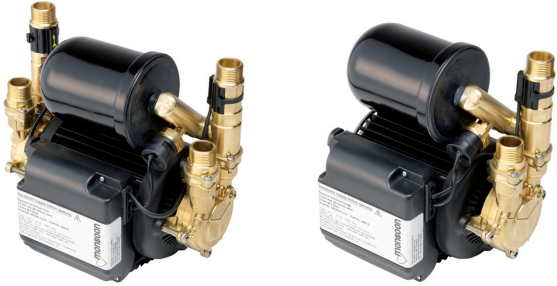
Stuart Turner is renowned for its high level of customer service. This has been further enhanced with the introduction of our Pump Assist team who are available to provide help and guidance on any aspect of product selection or technical advice. Full details of this service are shown on page 23.



# Pump types explained

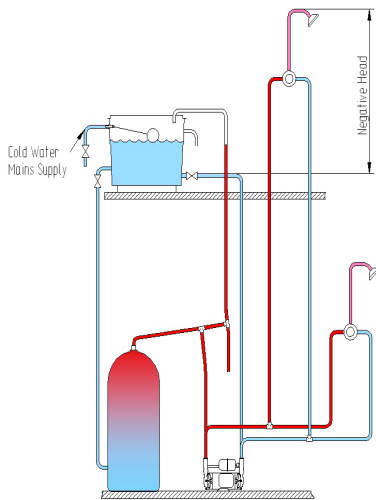
To help you choose the correct pump we have shown below the main types of pumps available and the applications in which they are typically used.

## Universal Pumps



Universal pumps are fully automatic, will work under both positive and negative head conditions and are suitable for installation into open vented hot and cold water systems. Universal pumps do not require a gravity flow of water to start the pump.

### Negative Head System

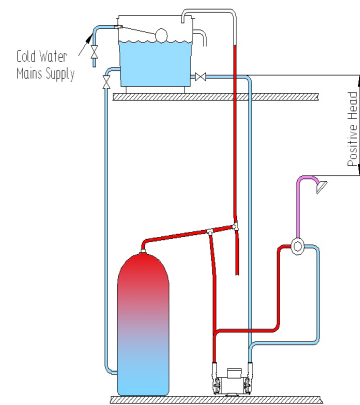


## Standard Pumps



Standard pumps operate under positive head conditions and are suitable for installation into open vented hot and cold water systems. Standard pumps require a minimum gravity flow of approximately 0.6 litres/minute.

### Positive Head System



Single pumps – designed to boost single water supplies: hot, cold or pre-mixed.

Twin pumps – designed for installation into both the hot and cold water supplies – boosting both.

## Pressures

Pumps are rated in 'bars' which is the measure of pressure – 1 bar pressure being equal to 10 metres static head of water. The higher the bar rating the higher the performance.

The following can be used as a general guide for applications:

- 1.0 bar pressure = Low boost
- 1.5 – 2.0 bar pressure = Medium boost
- 3.0 bar pressure+ = High boost

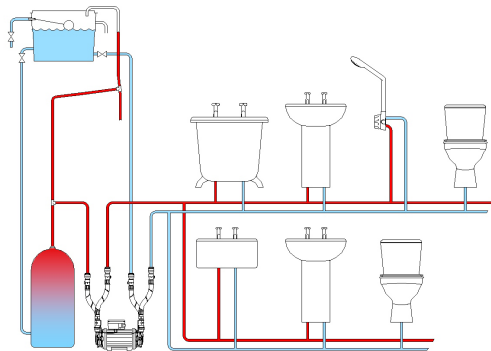
# Pump Solutions



The following diagrams show where pumps are typically located within the most commonly used plumbing systems.

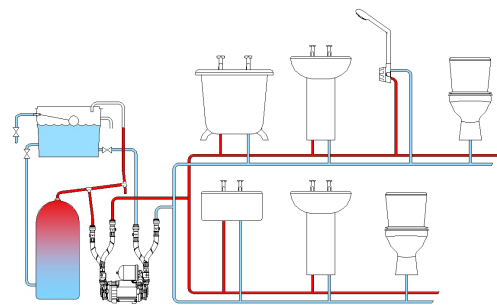
These diagrams are intended for general guidance. Our Pump Assist team will be happy to give further advice on selecting the correct pump. Simply call 0844 98 000 97.

Whole House – Open Vented System Positive Head



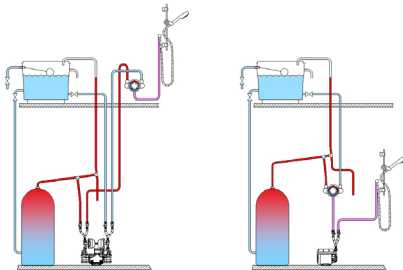
Typical application: Monsoon Twin, Universal or Standard

Whole House – Open Vented System Negative Head



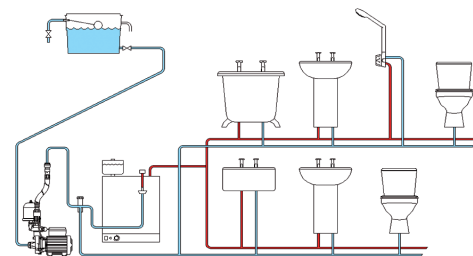
Typical application: Monsoon Twin Universal

Open Vented Single Shower System



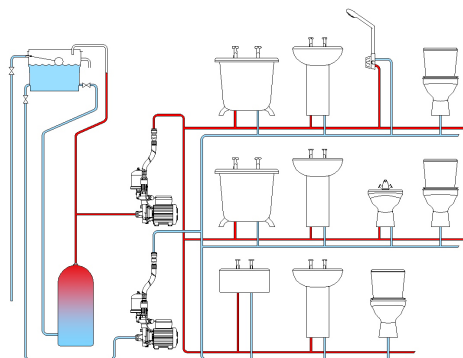
Typical application: Monsoon or Showermate Universal or Standard

Whole House – Unvented System Combi Boiler



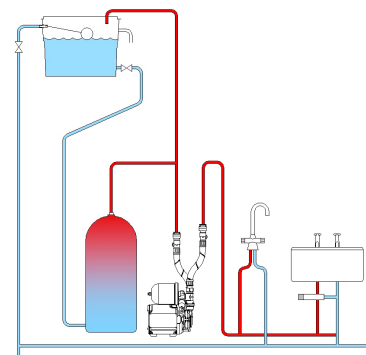
Typical application: Monsoon Extra Universal

Larger House – Open Vented System



Typical application: Monsoon Extra Universal

Open Vented System with mains pressure cold



Typical application: Monsoon Single Universal

# Monsoon Overview

Monsoon offers the most comprehensive range of quality brass peripheral pumps available on the market. Its wide range means that it is capable of boosting water pressure for a host of domestic applications from a single tap or shower, to a complete bathroom or the whole house.

Constantly developed and refined over the last 30 years, Monsoon is the industry benchmark for performance, quality and reliability, which is now supported with a 5 year guarantee across the range.

## Performance

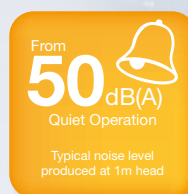
- ✓ Positive or negative head options
- ✓ Twin or Single
- ✓ 1.5 to 4.5 bar performance options
- ✓ Extremely system friendly

## Quality

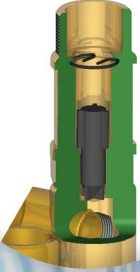
- ✓ Robust brass bodied construction
- ✓ Fully WRAS approved and CE compliant
- ✓ Quiet operation and smooth system performance
- ✓ Long life with built in engineering excellence

## Reliability

- ✓ Designed to be used for long periods
- ✓ Built-in safety – Low voltage controls
- ✓ Low maintenance
- ✓ 5 year guarantee



# Monsoon Features and Benefits

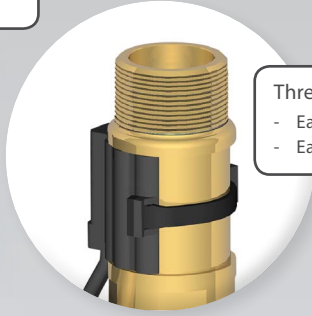
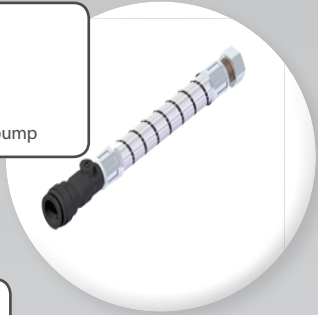


**Automatic Switching**

- Pressure Switch – automatically stops the pump and re-pressurises the system (Universal)
- Flow Switch – automatically starts the pump when flow exceeds 0.6 litres/min (Standard)

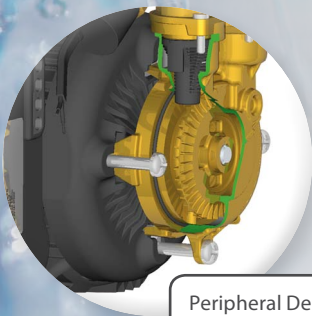
**Flexible Hoses**

- 22mm x 300mm push-in, anti-vibration flexible hoses
- Integral isolating valves
- ¼ BSP threaded connection to pump



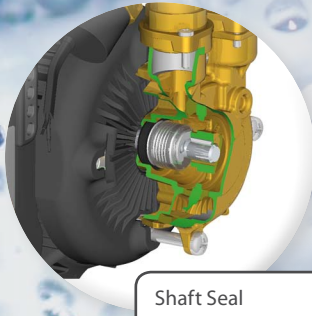
**Threaded Connections**

- Ease of installation
- Ease of maintenance



**Peripheral Design**

- Pressure efficient
- Compact size
- System friendly – reduces potential to airlock



**Shaft Seal**

- Hard faced carbon/silicon carbide seal
- Longer Life

Every component of the Monsoon range has been designed and improved to enhance the already high levels of reliability, performance and efficiency. Monsoon's brass bodied construction enables reliable and efficient performance for a wide range of applications.

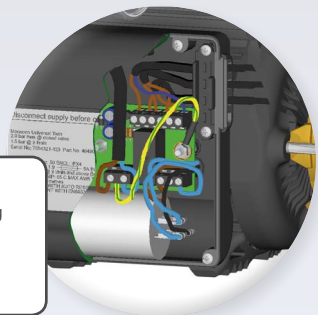


**Anti-Vibration Feet**

- Reduces noise transmission

**Safety**

- Low voltage – 9v for all switching
- SELV advanced control systems
- Pre-wired with 1.5m cable – no need to access terminal box



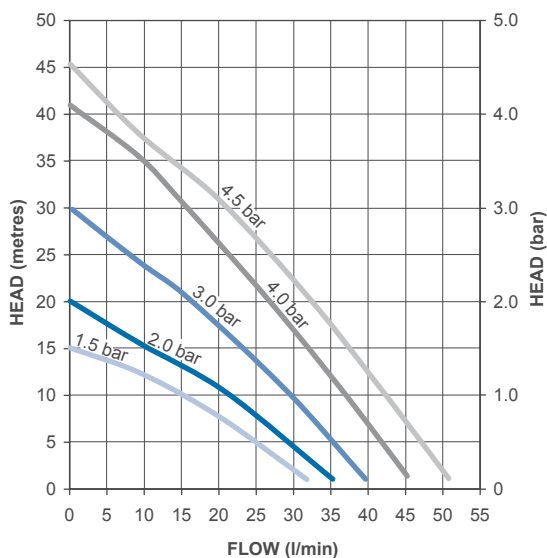
# Monsoon Range

## Universal Twin

Universal twin pumps are designed for installation into vented systems to pump both the hot and cold water supplies - boosting both equally.



Part No	Model
46505	U1.5 bar Twin
46480	U2.0 bar Twin
46410	U3.0 bar Twin
46411	U4.0 bar Twin
46412	U4.5 bar Twin



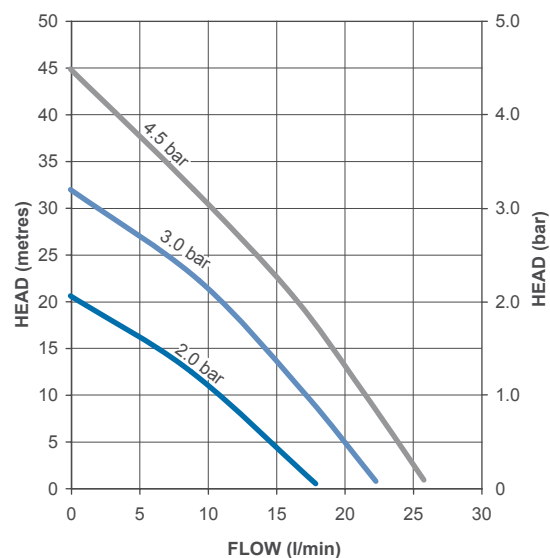
For Application Guidance see pages 20 & 21

## Universal Single

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.



Part No	Model
46498	U2.0 bar Single
46413	U3.0 bar Single
46414	U4.5 bar Single



For Application Guidance see pages 20 & 21

Full technical data sheets are available to download: [www.stuart-turner.co.uk](http://www.stuart-turner.co.uk)



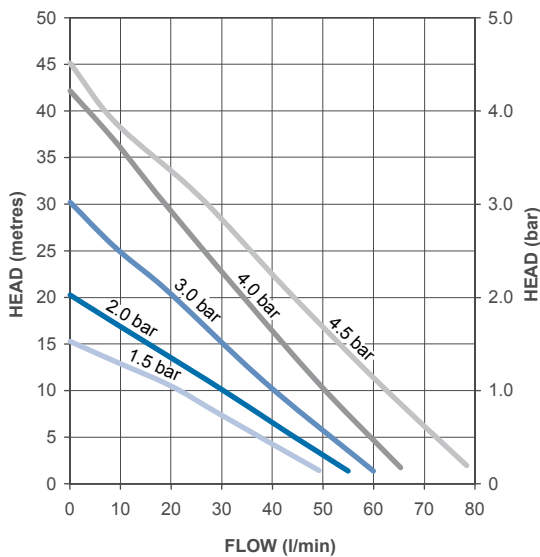
# Monsoon Range

## Standard Twin

Standard twin pumps are designed for installation into vented systems to pump both the hot and cold water supply - boosting both equally.



Part No	Model
46506	S1.5 bar Twin
46415	S2.0 bar Twin
46416	S3.0 bar Twin
46417	S4.0 bar Twin
46418	S4.5 bar Twin



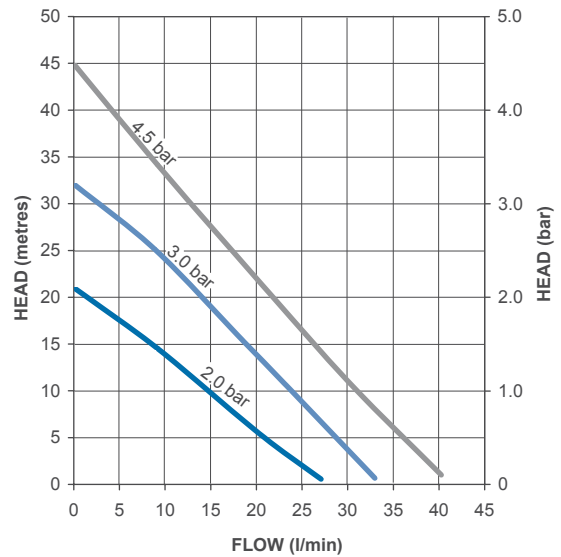
For Application Guidance see pages 20 & 21

## Standard Single

Standard single pumps are ideal for boosting the water pressure and flow in vented systems.



Part No	Model
46497	S2.0 bar Single
46419	S3.0 bar Single
46420	S4.5 bar Single



For Application Guidance see pages 20 & 21

Full technical data sheets are available to download: [www.stuart-turner.co.uk](http://www.stuart-turner.co.uk)

# Monsoon Extra Overview

Monsoon Extra offers high flow rate pumps designed to meet power showering and pressure boosting demands.

Typical applications include large houses, small hotels and leisure facilities where multiple showers would be a requirement.

## Performance

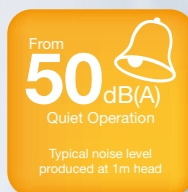
- ✓ Positive or negative head options
- ✓ High flow rates 100-170 litres per minute
- ✓ 1.4 to 4.5 bar performance options
- ✓ Centrifugal design ensures minimal pressure loss and demand increases

## Quality

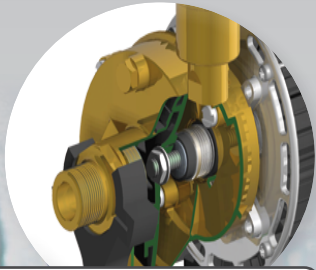
- ✓ Robust brass/stainless steel bodied construction
- ✓ Fully WRAS approved and CE compliant
- ✓ Quiet operation and smooth system performance
- ✓ Long life with built in engineering excellence

## Reliability

- ✓ Designed to be used for long periods
- ✓ Built-in safety – Low voltage controls
- ✓ Low maintenance
- ✓ 2 year guarantee



# Monsoon Extra Features and Benefits

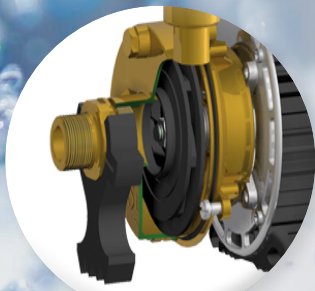


## Shaft Seal

- Hard faced carbon/silicon carbide seal
- Longer life

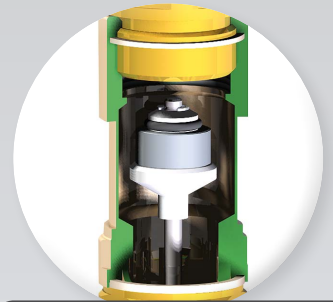
## Flexible Hoses

- 22mm x 300mm push-in anti-vibration flexible hoses
- 3/4 BSP threaded connection to pump



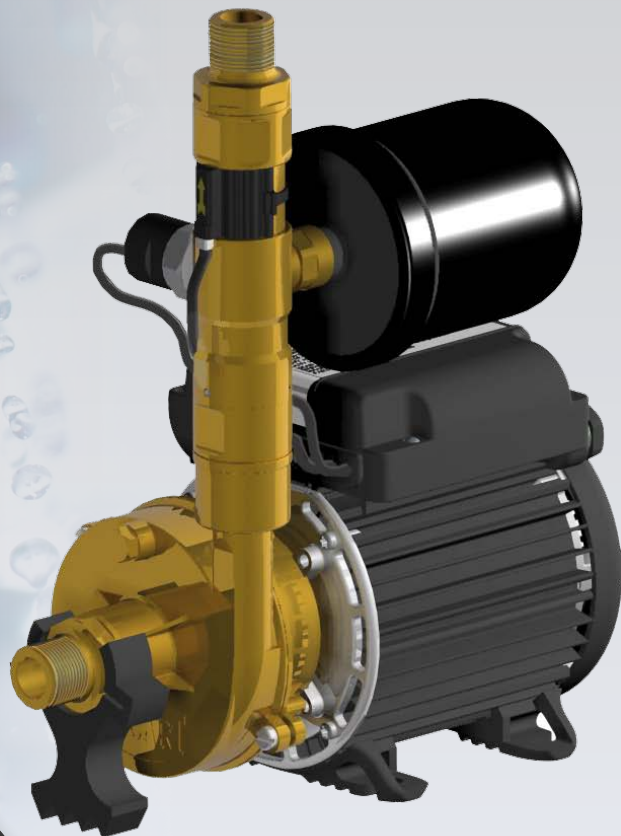
## Centrifugal Design

- Increased flow rates



## Automatic Switching

- Pressure Switch – automatically stops the pump and re-pressurises the system (Universal)
- Flow Switch – automatically starts the pump when flow exceeds 1 litre/min (Standard)



## Anti-Vibration Feet

- Reduces noise transmission

Monsoon Extra is a range of centrifugal booster pumps designed for larger installations that require higher flow rates. Monsoon Extra are easy to install with no on-site commissioning required.

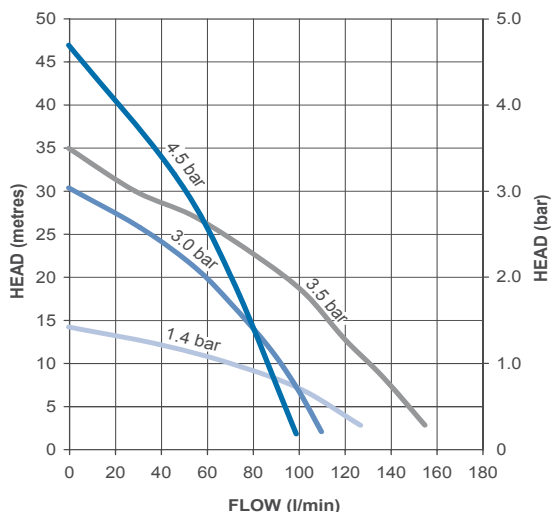
# Monsoon Extra Range

## Universal Single

The Monsoon Extra Universal single pump is designed for use in larger domestic and light commercial applications. Installed into an open vented hot or cold water system, where the outlets are either above or below the level of the cold water cistern.



Part No	Model
46349	U1.4 bar Single
46350	U3.0 bar Single
46351	U3.5 bar Single
46353	U4.5 bar Single



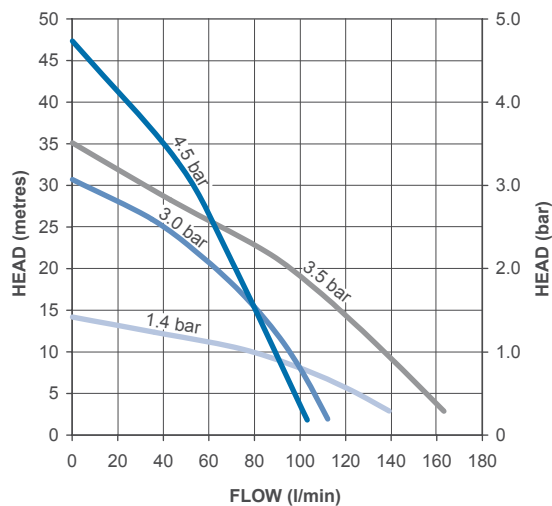
For Application Guidance see pages 20 & 21

## Standard Single

The Monsoon Extra Standard single pump is designed for use in larger domestic and light commercial applications. Installed into an open vented hot or cold water system, where all outlets are below the level of the cold water cistern.



Part No	Model
46387	S1.4 bar Single
46281	S3.0 bar Single
46283	S3.5 bar Single
46326	S4.5 bar Single



For Application Guidance see pages 20 & 21

Full technical data sheets are available to download: [www.stuart-turner.co.uk](http://www.stuart-turner.co.uk)

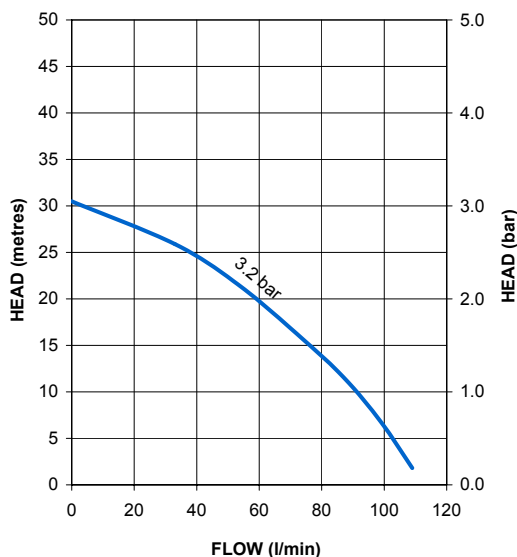
# Monsoon Extra Range

## 3.2 bar Pressure Set

The Monsoon Extra 3.2 bar Pressure Set is designed to meet system demands in larger domestic and light commercial applications. Installed into an open vented cold water system, it has the effect of raising the cold water cistern 32m above its current position. Installed in conjunction with a break tank, the pump can also boost water pressure into un-vented hot and cold water systems.



Part No	Model
46361	3.2 bar PS



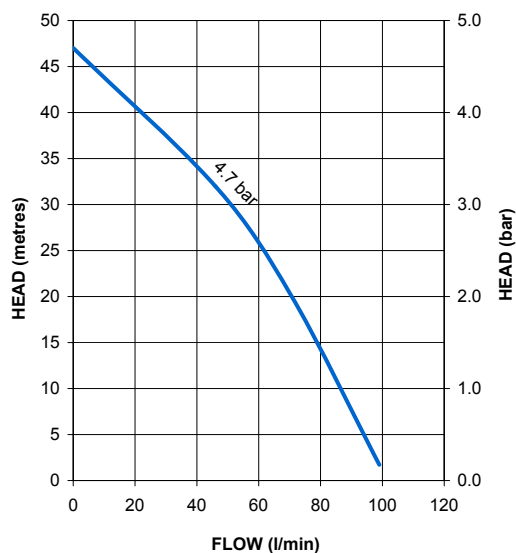
For Application Guidance see pages 20 & 21

## 4.7 bar Pressure Set

The Monsoon Extra 4.7 bar Pressure Set is designed to meet system demands in larger domestic and light commercial applications. Installed into an open vented cold water system, it has the effect of raising the cold water cistern 47m above its current position. Installed in conjunction with a break tank, the pump can also boost water pressure into un-vented hot and cold water systems.



Part No	Model
46362	4.7 bar PS



For Application Guidance see pages 20 & 21

Full technical data sheets are available to download: [www.stuart-turner.co.uk](http://www.stuart-turner.co.uk)

# Showermate Overview

Showermate is the UK leading quality plastic shower pump and is the ideal solution to boost the performance of single shower applications to provide an invigorating showering experience.

The range has now been further extended to include Showermate Universal, making it suitable for both positive and negative head systems.

Showermate eco offers an extremely compact design, delivering cost effective high performance.

As with all Stuart Turner products Showermate has been designed to be simple to install and quiet in operation.

## Performance

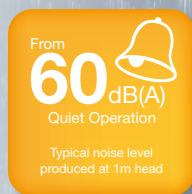
- ✓ Positive or negative head options
- ✓ Twin or single
- ✓ 1.5 – 2.6 bar performance options
- ✓ Extremely system friendly

## Quality

- ✓ Durable
- ✓ Plastic bodied construction
- ✓ Fully WRAS approved and CE compliant

## Reliability

- ✓ Low maintenance
- ✓ Easy to install
- ✓ 2 year guarantee



# Showermate Features and Benefits

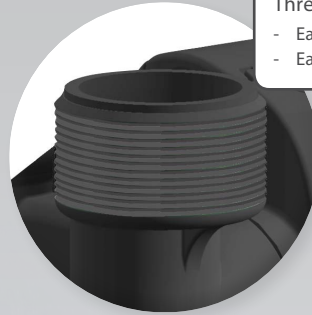
## Flexible Hoses

- 15mm x 200mm push-in, anti-vibration flexible hoses
- Integral isolating valves on inlets
- 3/4 BSP threaded connection to pump



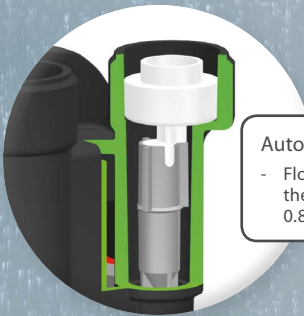
## Threaded Connections

- Ease of installation
- Ease of maintenance



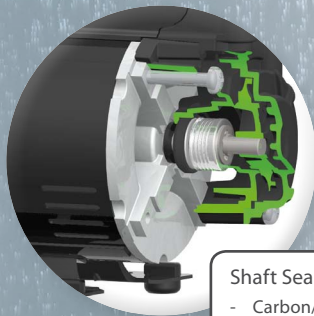
## Automatic Switching

- Flow switch – automatically starts the pump when flow exceeds 0.8 litres/min



## Shaft Seal

- Carbon/ceramic seal



## Peripheral Design

- Pressure efficient
- Compact size
- System friendly – reduces potential to airlock



Showermate Eco's compact design provides the ideal solution to boost your shower to improve performance. Showermate's high quality plastic bodied construction provides quality and reliability at a competitive price.

## Anti-Vibration Feet

- Reduces noise transmission



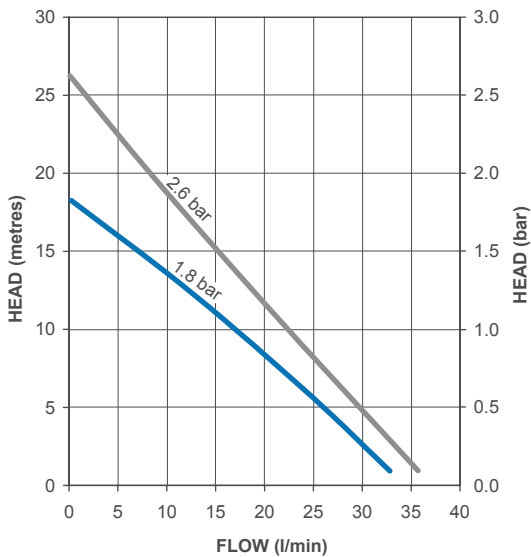
# Showermate Range

## Universal Twin

Universal twin pumps are designed to boost the incoming hot and cold water supply to an individual shower, bath / shower mixer, or mixer tap.



Part No	Model
46532	U1.8 bar Twin
46533	U2.6 bar Twin



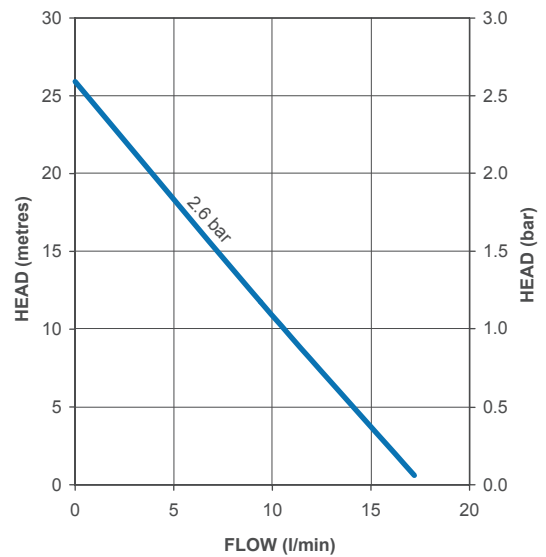
For Application Guidance see pages 20 & 21

## Universal Single

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.



Part No	Model
46534	U2.6 bar Single



For Application Guidance see pages 20 & 21

Full technical data sheets are available to download: [www.stuart-turner.co.uk](http://www.stuart-turner.co.uk)



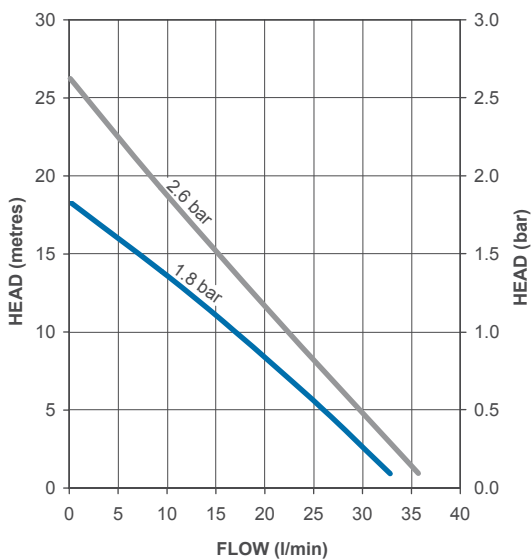
# Showermate Range

## Standard Twin

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



Part No	Model
46407	S1.8 bar Twin
46431	S2.6 bar Twin



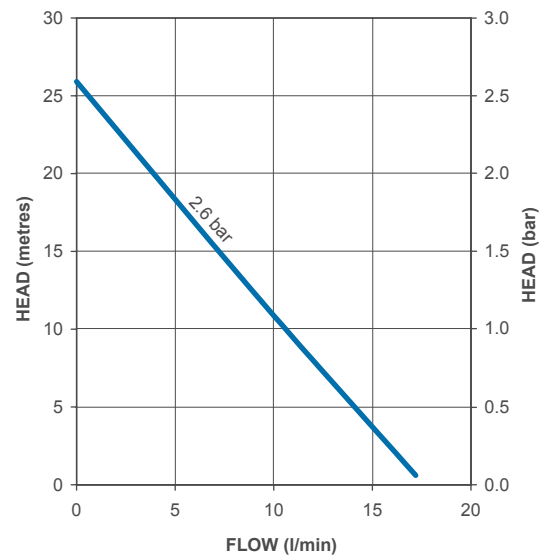
For Application Guidance see pages 20 & 21

## Standard Single

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



Part No	Model
46429	S2.6 bar Single



For Application Guidance see pages 20 & 21

Full technical data sheets are available to download: [www.stuart-turner.co.uk](http://www.stuart-turner.co.uk)

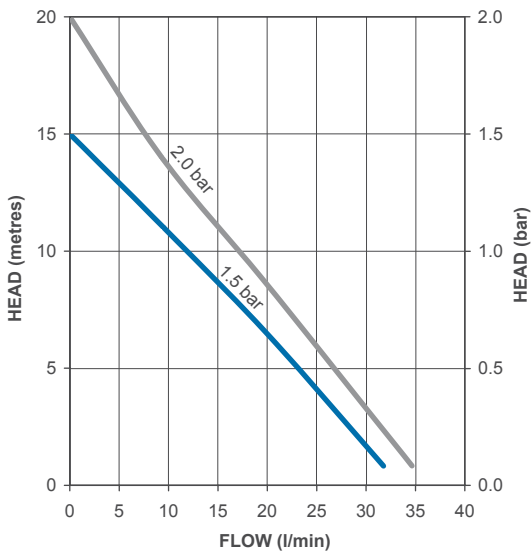
# Showermate Range

## Standard Eco Twin

A Showermate Eco twin pump is designed to boost the incoming hot and cold water supply to an individual shower, bath / shower mixer, or mixer tap.



Part No	Model
46502	S1.5 bar Twin
46500	S2.0 bar Twin



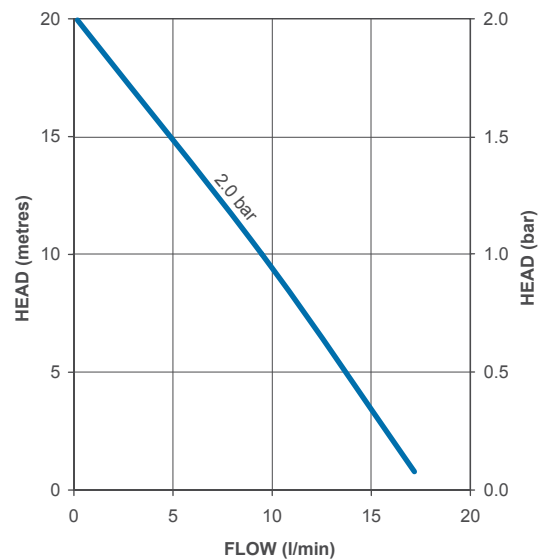
For Application Guidance see pages 20 & 21

## Standard Eco Single

The Showermate Eco single pump is designed to improve water supplies to single taps or to pump blended water from a shower mixer.



Part No	Model
46503	S2.0 bar Single



For Application Guidance see pages 20 & 21

Full technical data sheets are available to download: [www.stuart-turner.co.uk](http://www.stuart-turner.co.uk)

# Stuart Commercial Range

Stuart Turner's long history means we have developed a diverse range of pumps to suit a variety of commercial applications.

Most installations can be satisfied from our standard range and if not we can provide bespoke solutions to suit more specialised applications.

An overview of our commercial range is shown below. Details of our full range of pumps can be viewed and downloaded from our website: [www.stuart-turner.co.uk](http://www.stuart-turner.co.uk).

## Centrifugal

With a number of centrifugal pump options to choose from, covering different voltages, methods of construction and multistage design, we have pumps ideal for pressure boosting or distribution of clean, fresh water, for many applications.



## Submersible

A range of submersible pumps consisting of the Supersub for clean water and the Supervort for dirty water and semi solids up to 20mm in diameter.

All pumps include a float switch.



## Peripheral

The peripheral range of pumps offer a choice of design features making them suitable for a wide range of applications. Options available include brass or 316 stainless steel, horizontal or vertical suction connections and a choice of seals.




## Fully Automatic


Designed to provide a constant supply of water from a break tank, these units rely on gravity flow to activate. Features include fully automatic control with dry run protection.




## Contact Us

Our technical sales or Pump Assist team are available to provide technical guidance and quotations. For further information of how we can help please contact us:


 Pump Assist – 0844 98 000 97

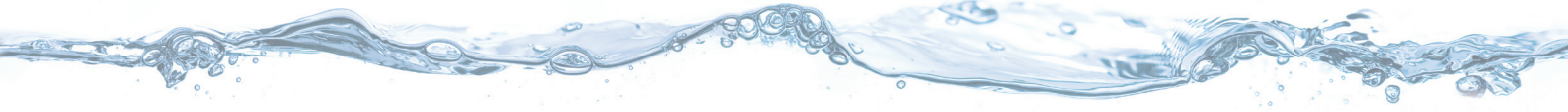
 [pumps@stuart-turner.co.uk](mailto:pumps@stuart-turner.co.uk)

 01491 573704

# Application Guide



Please note that this is a general guide only and individual site conditions will vary. For further advice or technical assistance please contact our Pump Assist team on 0844 98 000 97.  Home  Bathroom  Bath  Shower  Tap  Leisure		Monsoon									
		TWIN PUMPS									
		1.5		2.0		3.0		4.0		4.5	
		Uni	Std	Uni	Std	Uni	Std	Uni	Std	Uni	Std
PRESSURE BANDS		Medium				High					
Shower only		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Blended shower water											
Bath or basin mixer		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Single tap											
Unvented stored hot water											
Supply to combination boiler											
Steam cabinet						✓		✓		✓	
Boost tank fed cold water supply to electric shower											
Boost hot or cold water to individual taps											
Boost hot water pressure to blend with mains cold water (mixer taps or shower)											
Standard bath-shower/shower		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Multi-function shower c/w body jets								✓	✓	✓	✓
Bathroom only		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Apartments		✓		✓		✓		✓			
Whole house – up to 2 bathrooms		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Whole house – up to 3 bathrooms						✓	✓	✓	✓	✓	✓
Whole house – having 4 or more bathrooms											
Leisure changing rooms – multiple demand applications											



Monsoon						Monsoon Extra										Showermate									
SINGLE PUMPS						SINGLE PUMPS								PRESSURE SETS		TWIN				SINGLE					
2.0		3.0		4.5		1.4		3.0		3.5		4.5		3.2	4.7	1.5	2.0	1.8		2.6		1.5	2.6		
Uni	Std	Uni	Std	Uni	Std	Uni	Std	Uni	Std	Uni	Std	Uni	Std	PS	PS	Std eco	Std eco	Uni	Std	Uni	Std	Std eco	Uni	Std	
Medium		High				Medium		High								Medium									
✓ ×2		✓ ×2		✓ ×2												✓	✓	✓	✓	✓	✓				
	✓		✓		✓												✓	✓				✓		✓	
																✓	✓	✓	✓	✓	✓				
✓	✓	✓	✓	✓	✓																	✓	✓	✓	
						✓		✓		✓		✓		✓	✓										
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✓	✓	✓	✓	✓	✓																	✓	✓	✓	
✓	✓																						✓		
		✓ ×2		✓ ×2												✓	✓	✓	✓	✓	✓				
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		✓ ×2		✓ ×2																					
						✓	✓	✓	✓	✓	✓	✓	✓	✓	✓										
						✓	✓	✓	✓	✓	✓	✓	✓	✓	✓										

# Accessories

## Tank Flange - 27800

The Stuart Flange provides a dedicated hot water feed from the hot water cylinder to the shower pump, reducing the possibility of introducing air into the supply. The unique design allows 360° positioning of the pump connections for ease of installation.



## Control Module - 41011

The Control Module remotely switches pumps without controls and can be used in both positive and negative plumbing systems. The module includes run dry protection.



## Float Switch - 26638

The Float Switch is used to control a pump when filling or emptying a water tank / cistern. The switch position is adjustable along the float cord.



## Inline Strainers

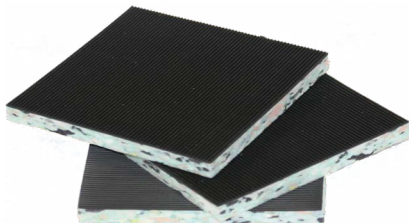
- 1/2" BSP Strainer 17018
- 3/4" BSP Strainer 15726
- 1" BSP Strainer 16291

Inlet strainers are standard within our Monsoon ranges, however we would recommend use of an in-line strainer with our Showermate ranges.



## Mounting Pad - 27124

The mounting pad provides additional sound insulation further reducing the transfer of motor noise and vibration.



## Service Kits & Spare Parts

Most Stuart Turner pumps are fully serviceable ensuring that they give many years of trouble free service.

To support this we maintain a comprehensive listing of service kits and spare parts. You can easily identify the correct parts by visiting our website.

### Find Spare Parts

Enter your serial number, pump part number or description

e.g. Serial number 1234567-123



Full technical data sheets are available to download: [www.stuart-turner.co.uk](http://www.stuart-turner.co.uk)

# Pump Assist

Pump Assist is a dedicated & friendly team of highly trained and experienced technical experts who will assist you by:

## Choosing the right pump

It sounds simple but making sure you have the correct pump for your application is of paramount importance, our team will help you specify the right pump for the job.



## Installation Advice

Having trouble, don't know where to start? Our team will be able to talk you through your installation – 90% of pump failures are down to poor installation.



## Fault diagnosis and repair advice

The life span of our products is second to none. Many customers choose to regularly service their pumps to optimise product life cycles. If you want your pump serviced or repaired, Stuart Turner offer a very efficient and cost effective service.



## Find a local stockist

Finding a local stockist couldn't be easier, just call our team and they will advise you of the nearest one in your area. Our database is extensive throughout the UK & Republic of Ireland, as well as considerable world wide coverage.



## Pump Assist

For Pump Assist help, guidance or advice simply call

0844 98 000 97



## Contact an approved service engineer

In the unlikely event that things go wrong it is important to know that we have approved service engineers available throughout the UK & Republic of Ireland. All engineers have received comprehensive training on our products so if you have any problems just call our team and they will put you in direct contact.



## Find the right spare parts

You can order all spare parts directly from our website. Click on the find spare parts link or call the team and they will be happy to help you find the correct parts and take your order.



## Register an extended guarantee

You can now do this online, simply click on the register guarantee link. Alternatively call our team and they will be happy to take all your details and register your guarantee extension for you.



## FAQs and troubleshooting

As experts in our field we have an in depth knowledge of the typical problems that may arise with our products and problems that occur due to incorrect installation. Simply download our FAQs & troubleshooting guidelines or alternatively call our team for more specific assistance.





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