

Monsoon offers the most comprehensive range of premium 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 and light commercial applications from a single tap or shower, to a complete bathroom or the whole property.

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

Features and Benefits

Performance

- ✓ 1.5 to 4.5 bar performance options
- ✓ Positive or negative head options
- ✓ Twin or Single
- ✓ Quiet operation*
- ✓ System friendly peripheral design
- ✓ Fully automatic switching
- ✓ Continuously rated

Quality

- ✓ Robust all brass construction
- ✓ Built-in safety – low voltage controls
- ✓ WRAS approved
- ✓ ISO 9001:2008
- ✓ BS 60335 compliant
- ✓ CE compliant

Reliability

- ✓ 5 year guarantee**
- ✓ Extended life mechanical seal
- ✓ Integral strainer
- ✓ Fully serviceable

Monsoon pumps are supplied with flexible hoses with integral isolation valves, anti-vibration feet and pre-wired for ease of installation.

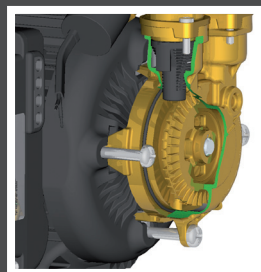


* Independently tested - 3.0 bar Monsoon Standard Twin rated quieter than competitor's equivalent models.

** 3 years as standard, extended to 5 years when you register your pump details online at www.stuart-turner.co.uk

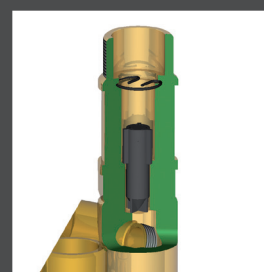
Every component within the **Monsoon range** has been designed to enhance the high levels of performance, quality and reliability.

Monsoon's brass bodied construction is suitable for a wide range of applications.



Peripheral Design

Pressure efficient
Compact size
System friendly – reduces potential to airlock



Automatic Flow Switch

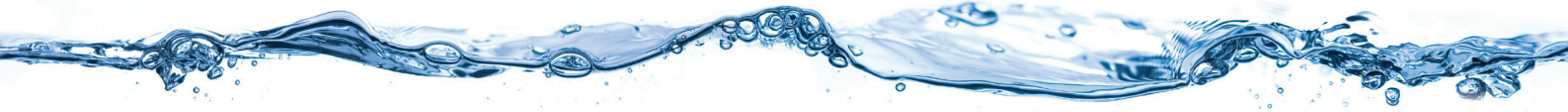
Automatically starts the pump when flow exceeds 0.6 litres/min (Standard & Universal)



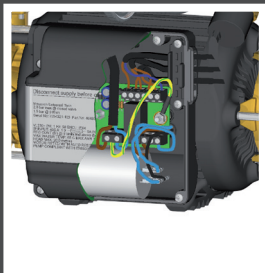
Automatic Pressure Switch

Automatically stops the pump and re-pressurises the system (Universal)

Performance without compromise

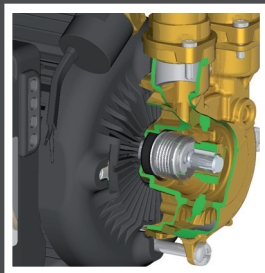


MONSOON



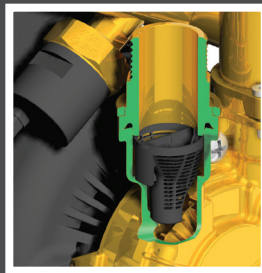
Safety

Extra low voltage (SELV) – 9v for all switching control systems
Pre-wired with 1.5 m cable – no need to access terminal box



Mechanical Seal

Carbon/Silicon Carbide seal
Extended life



Integral Strainer

High capacity strainer
Prevents debris from entering the pump, for an extended life



Flexible Hoses

300 mm anti-vibration flexible hoses with integral isolating valves
G 3/4 threaded connections to pump
22 mm push fit to pipe work

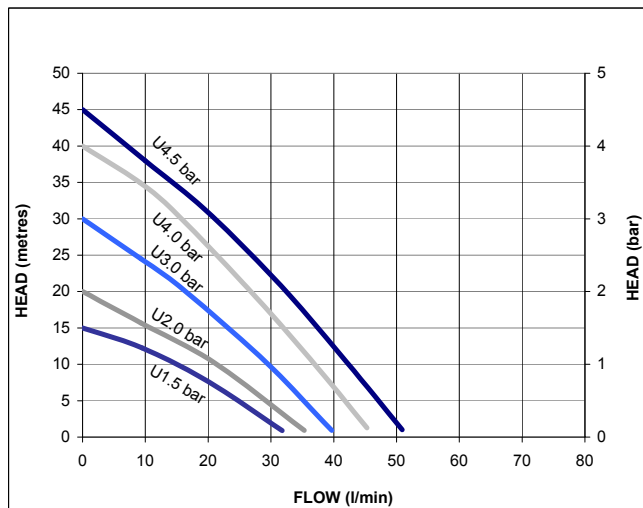


Monsoon Universal Twin

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.



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

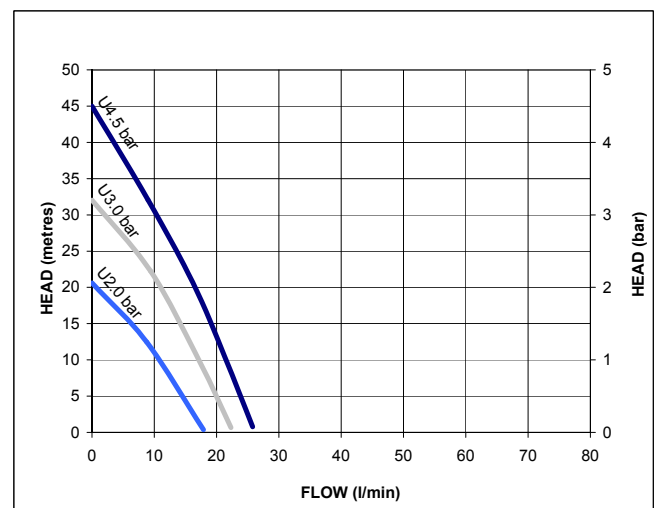


Monsoon Universal Single

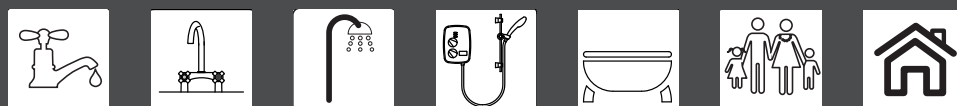
Universal single pumps can be used in pairs to boost vented systems to pump hot and cold water supplies independently, or as a single pump to boost a water supply as required. Suitable for both positive and negative head applications.



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

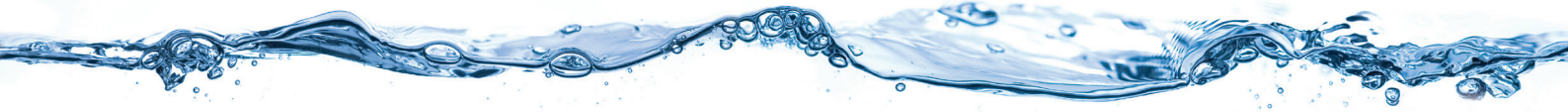


Applications for the Monsoon range:



For Application Guidance see pages 8 & 9 and 16 & 17

Performance without compromise

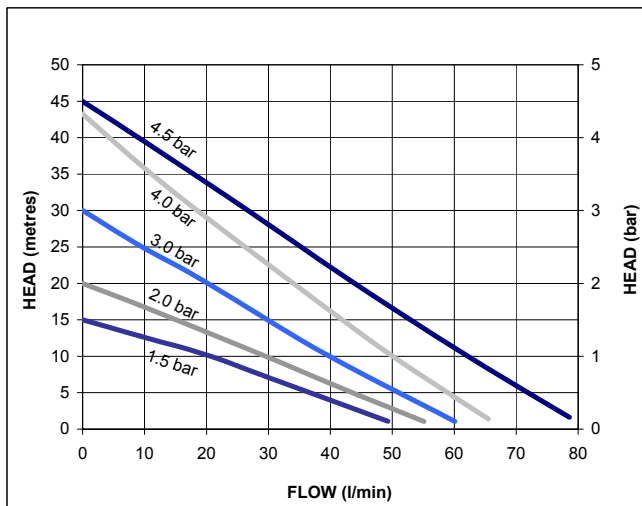


Monsoon Standard Twin

Standard twin pumps are designed for installation into vented systems to pump both the hot and cold water supplies - boosting both equally. Suitable for positive head applications only.



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

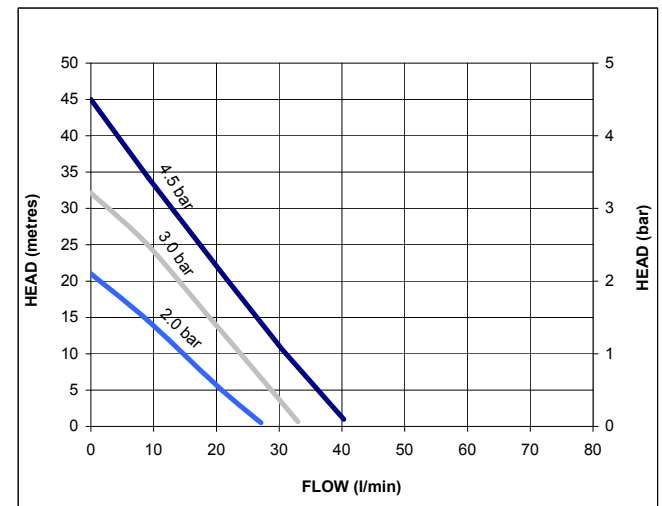


Monsoon Standard Single

Standard single pumps are ideal for boosting a water supply in vented systems. Suitable for positive head applications only.



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



MONSOON

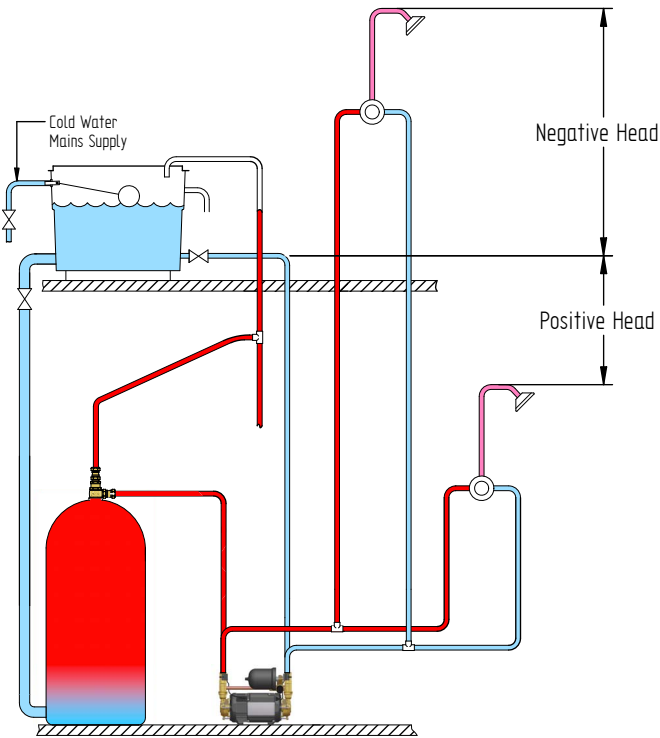
Full technical data sheets are available to download: www.stuart-turner.co.uk
 For further advice on selecting the correct pump call Pump Assist 0844 98 000 97





The following diagrams show where Monsoon pump types would be typically located within the most commonly used plumbing systems.

Positive or Negative Head System?



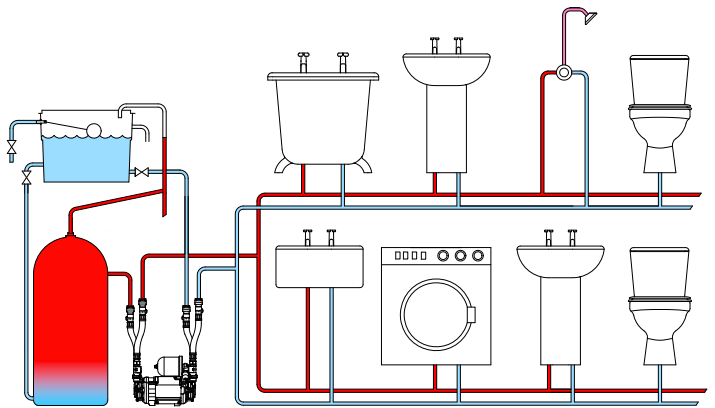
Negative Head Systems

A negative head system exists when there is insufficient pressure, under gravity, to provide a flow at the outlet. Typically a negative head condition exists where the flow from the outlet is less than 0.6 litre/min.

Positive Head Systems

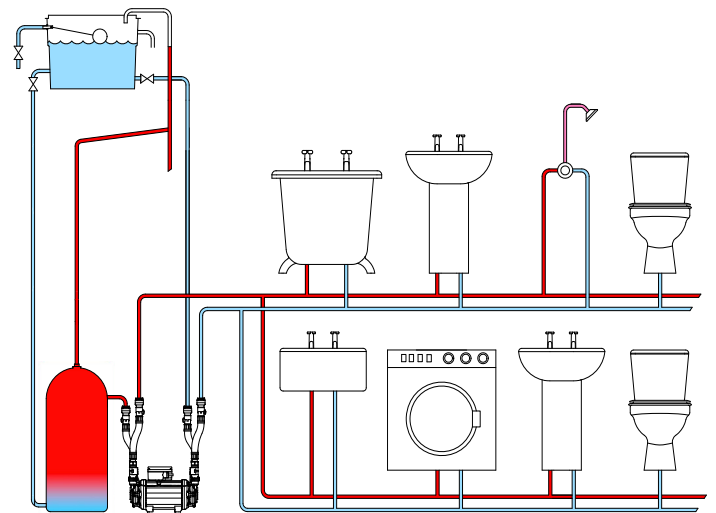
A positive head system exists when there is sufficient pressure available under gravity to provide a flow at the outlet. Typically a positive head condition exists where the flow from the outlet is more than 0.6 litre/min.

Whole House – Open Vented System Negative Head



Typical application: Monsoon Universal Twin

Whole House – Open Vented System Positive Head



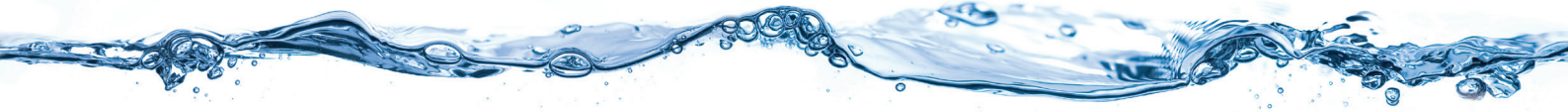
Typical application: Monsoon Standard Twin

Applications for the Monsoon range:

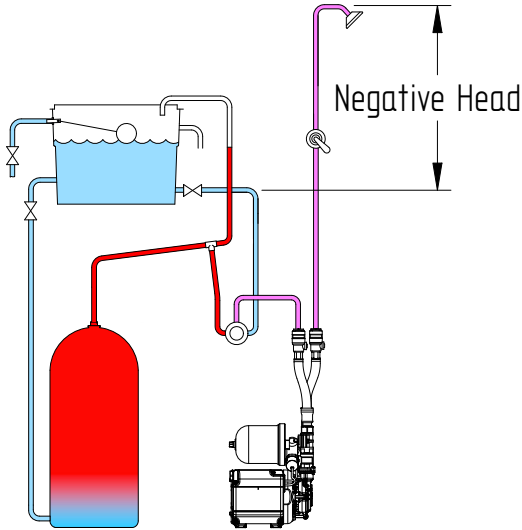


For further Application Guidance see pages 16 & 17

Pump applications

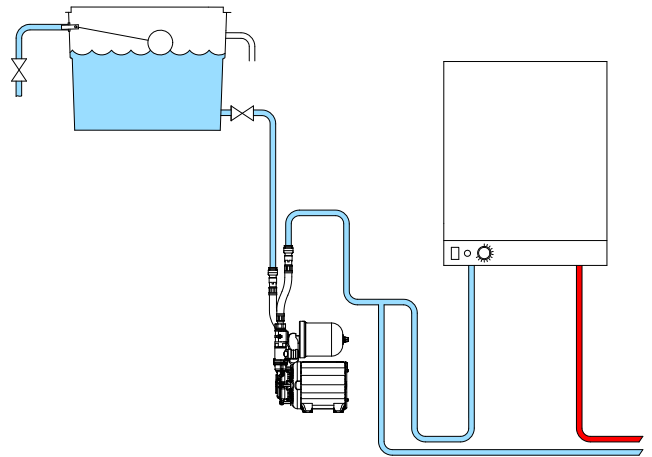


Shower Outlet – Negative Head



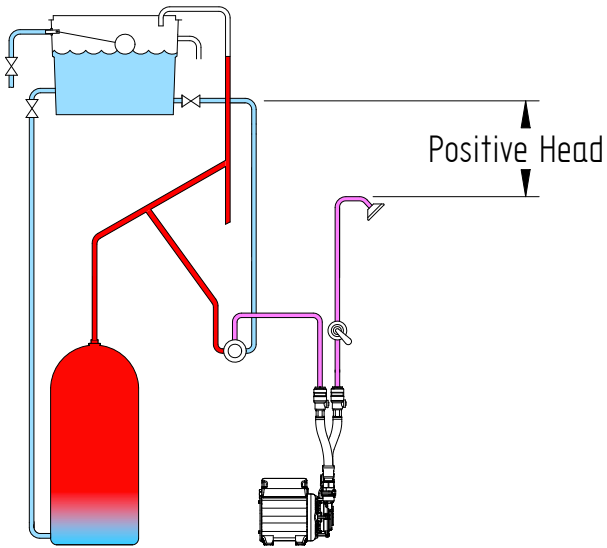
Typical application: Monsoon Universal Single

Boost Combination Boiler Only



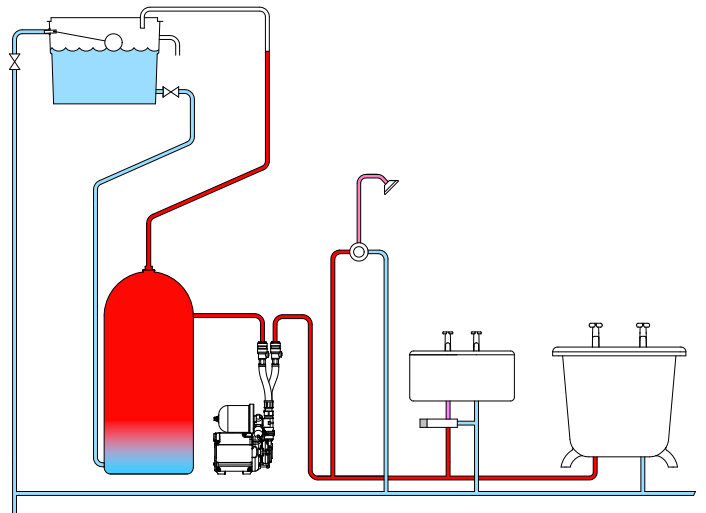
Typical application: Monsoon Universal Single

Shower Outlet – Positive Head



Typical application: Monsoon Standard Single

Boost Gravity Hot Supply (mains cold)



Typical application: Monsoon Universal Single

MONSOON

These diagrams are intended for general guidance only.

For further advice on selecting the correct pump call **Pump Assist 0844 98 000 97**



Monsoon Extra is a range of quality brass and stainless steel centrifugal multistage booster pumps, designed for larger installations that require higher flow rates.

Their high performance make them an ideal choice for high demand, multiple outlet applications including larger houses, small hotels and leisure facilities where multiple showers would be a requirement. Monsoon Extra pressure sets provide an effective solution for boosting the water supply when mains pressure is low.

Monsoon Extra are easy to install with no on-site commissioning required.

Features and Benefits

Performance

- ✓ 1.4 to 5.0 bar performance options
- ✓ Positive or negative head options
- ✓ Flow rates up to 140 litres/minute
- ✓ Quiet operation
- ✓ Centrifugal design
- ✓ Fully automatic switching
- ✓ Continuously rated

Quality

- ✓ Robust brass/stainless steel construction
- ✓ Built-in safety – low voltage controls
- ✓ WRAS approved
- ✓ ISO 9001:2008
- ✓ BS 60335 compliant
- ✓ CE compliant

Reliability

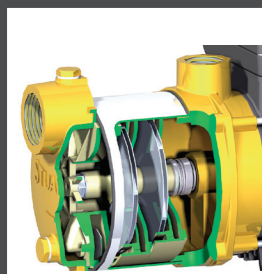
- ✓ 2 year guarantee
- ✓ Long life mechanical seal
- ✓ Integral strainer
- ✓ Fully serviceable

Monsoon Extra pumps are supplied with flexible hoses, anti-vibration feet and pre-wired for ease of installation.

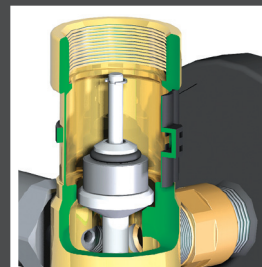


Every component of the **Monsoon Extra** range has been designed to enhance the high levels of performance, quality and reliability.

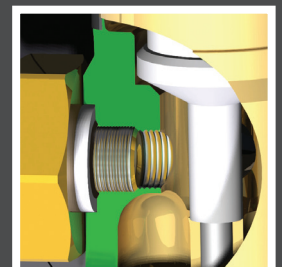
Monsoon Extra offer a range of centrifugal booster pumps designed for larger installations that require higher flow rates.



Centrifugal Design
Increased flow rates
Pressure efficient
Compact size

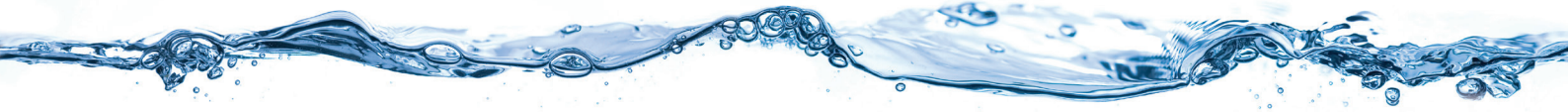


Automatic Flow Switch
Automatically starts the pump when flow exceeds 0.6 litres/min (Standard & Universal)

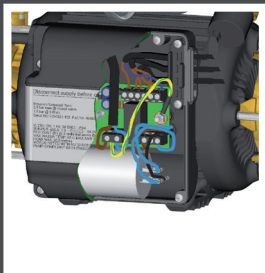


Automatic Pressure Switch
Automatically stops the pump and re-pressurises the system (Universal)

Performance without compromise

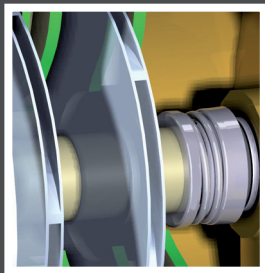


MONSOON



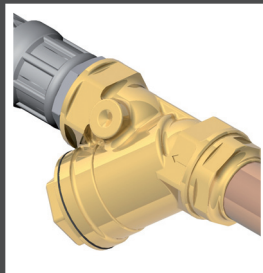
Safety

Extra low voltage (SELV) – 9v for all switching control systems
Pre-wired with 1.5 m cable – no need to access terminal box



Mechanical Seal

Carbon/Ceramic seal
Long life



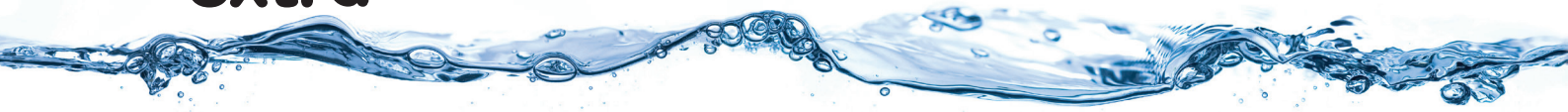
Strainer

High capacity strainer
G 1 threaded connections



Flexible Hoses

300 mm anti-vibration flexible hoses
G 1 threaded connections



Monsoon Extra 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.



WRAS Compliant
Approval Pending

Part No	Model
46593	U2.6 bar Single
46594	U3.6 bar Single
46595	U5.0 bar Single

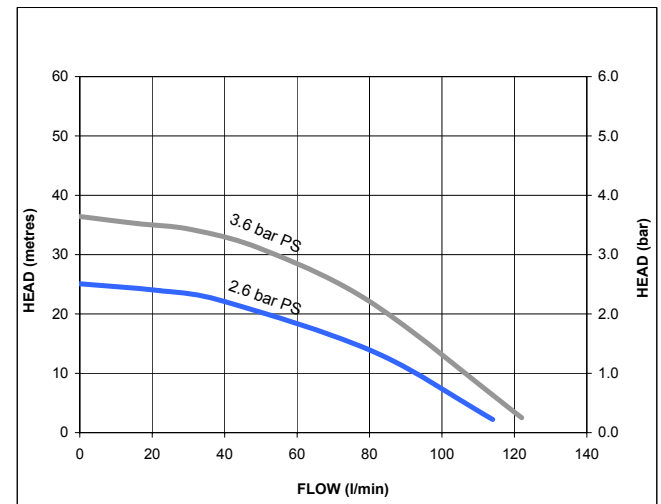
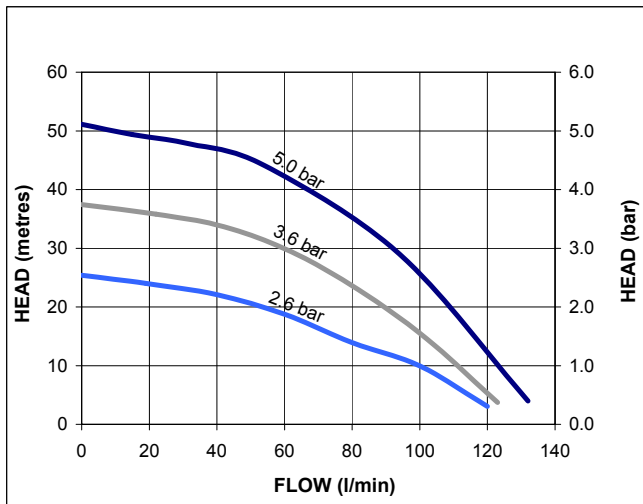
Monsoon Extra Pressure Set

The Monsoon Extra Pressure Sets are designed to meet the system demands in larger domestic and light commercial applications. The Monsoon Extra pump is mounted on to a WRAS approved 24 litre diaphragm tank providing a buffer of pressurised stored water. Ideally suited to boost stored cold water supplies to un-vented hot water cylinders/combination boilers where there is low or no mains water supply.



WRAS Compliant
Approval Pending

Part No	Model
46601	2.6 bar PS
46602	3.6 bar PS

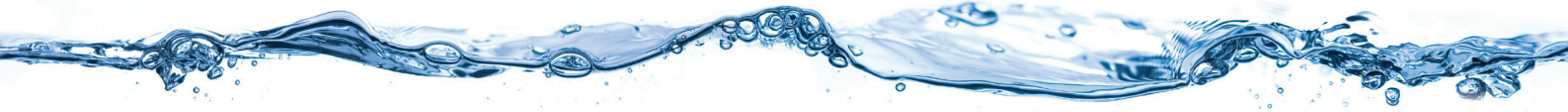


Applications for the Monsoon Extra range:



For Application Guidance see pages 14 & 15 and 16 & 17

Performance without compromise



Monsoon Extra **Universal Single**

The Monsoon Extra Universal 1.4 bar 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

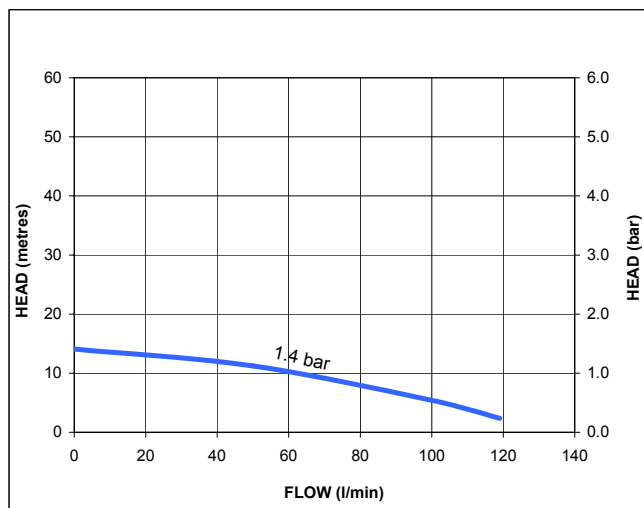
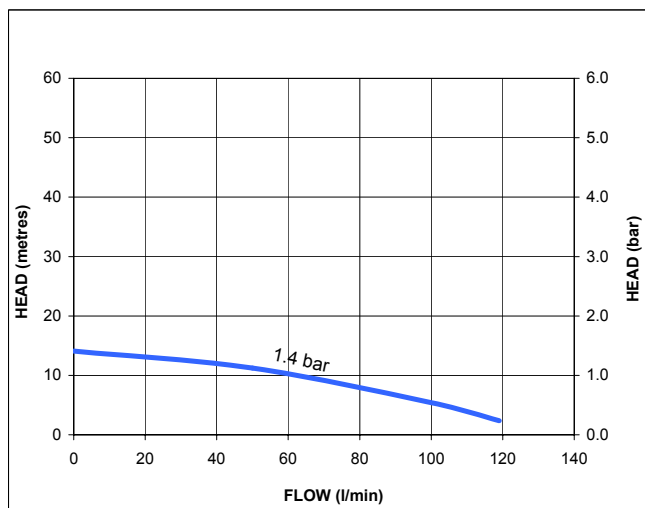
Monsoon Extra **Standard Single**

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 the outlets are below the level of the cold water cistern.



Part No	Model
46387	S1.4 bar Single

MONSOON



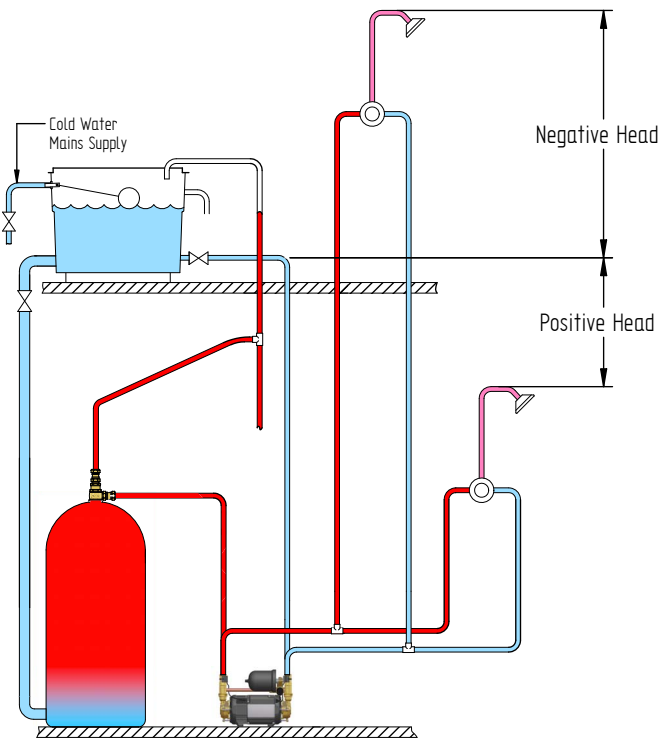
Full technical data sheets are available to download: www.stuart-turner.co.uk
 For further advice on selecting the correct pump call Pump Assist 0844 98 000 97





The following diagrams show where Monsoon Extra pump types would be typically located within the most commonly used plumbing systems.

Positive or Negative Head System?



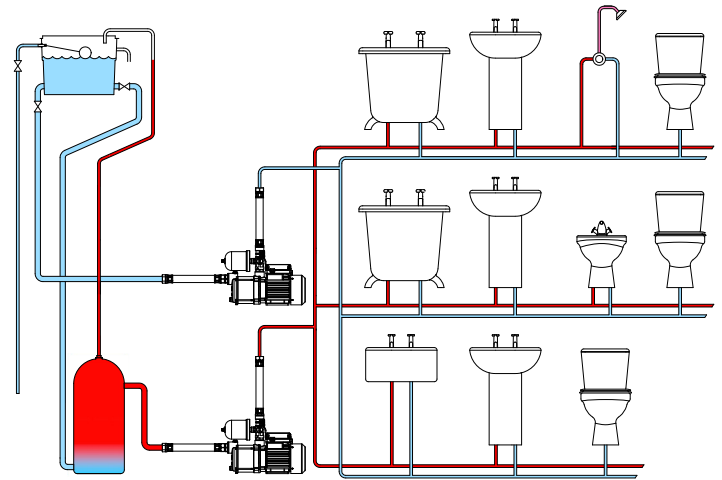
Negative Head Systems

A negative head system exists when there is insufficient pressure, under gravity, to provide a flow at the outlet. Typically a negative head condition exists where the flow from the outlet is less than 1 litre/min.

Positive Head Systems

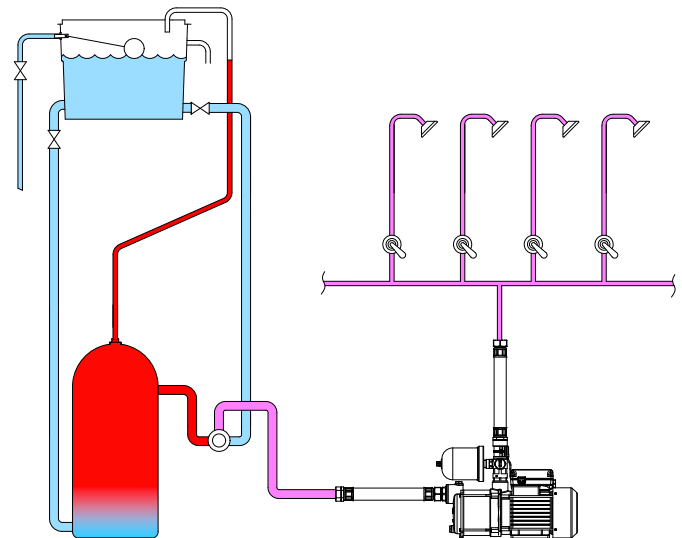
A positive head system exists when there is sufficient pressure available under gravity to provide a flow at the outlet. Typically a positive head condition exists where the flow from the outlet is more than 1 litre/min.

Large House – Open Vented System



Typical application: Monsoon Extra Universal Single x 2

Blended Supply to Multiple Outlets



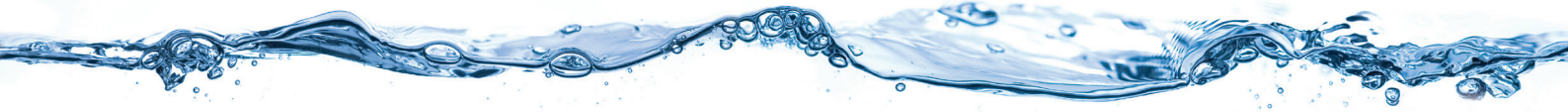
Typical application: Monsoon Extra Universal Single

Applications for the Monsoon Extra range:

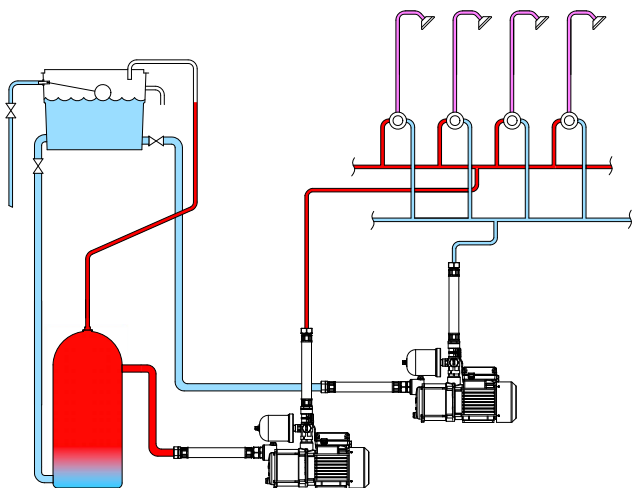


For further Application Guidance see pages 16 & 17

Pump applications

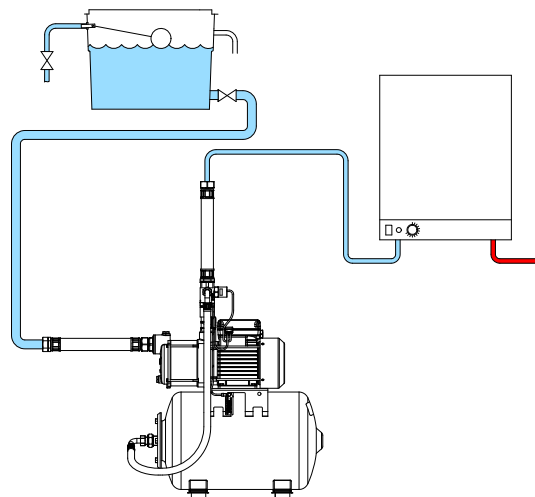


Hot and Cold Boost to Multiple Outlets



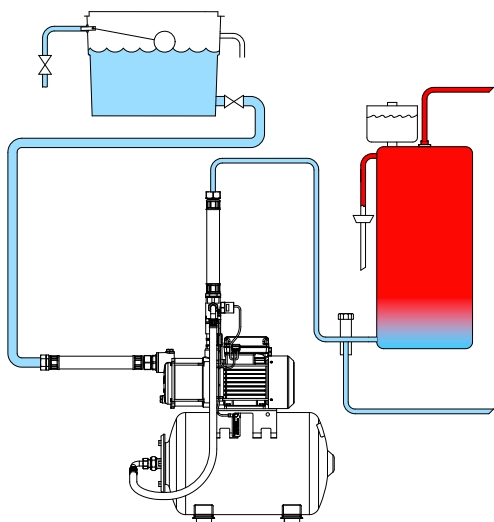
Typical application: Monsoon Extra Universal Single x 2

Cold Water Boost to Combination Boiler



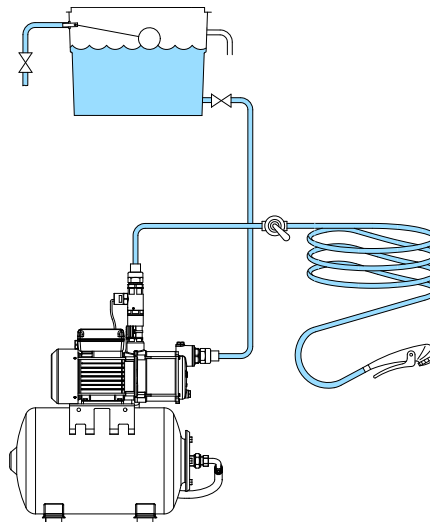
Typical application: Monsoon Extra Pressure Set

Cold Water Boost to Unvented Hot Water Cylinder



Typical application: Monsoon Extra Pressure Set

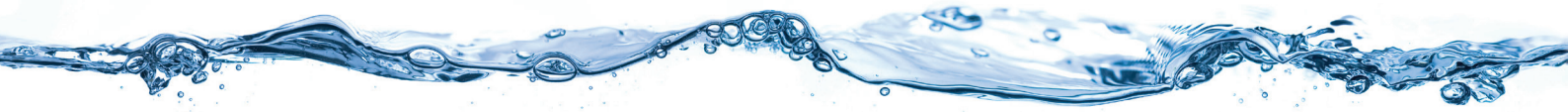
Cold Water Boost to Outlets




















Typical application: Monsoon Extra Pressure Set

These diagrams are intended for general guidance only.

For further advice on selecting the correct pump call **Pump Assist 0844 98 000 97**

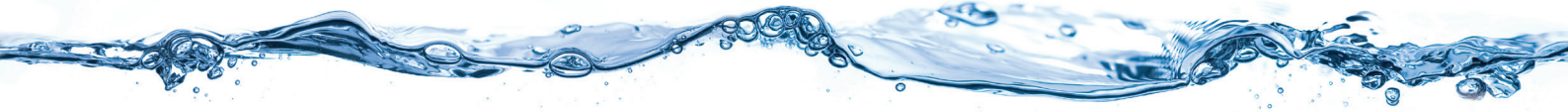


Please note that this is a general guide only and individual site conditions will vary. For further advice or technical assistance please contact our Pump Assist team on 0844 98 000 97.		Monsoon									
		TWIN									
		1.5		2.0		3.0		4.0		4.5	
		Uni	Std	Uni	Std	Uni	Std	Uni	Std	Uni	Std
PRESSURE BANDS		Medium				High					
Single Tap											
Boost hot or cold water to individual taps											
Bath or basin mixer		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Boost hot water pressure to blend with mains cold water (mixer taps or shower)											
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											
Unvented stored hot water system											
Apartments		✓		✓		✓		✓			
Whole house – up to 2 bathrooms		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Whole house – up to 3 bathrooms						✓	✓	✓	✓	✓	✓
Whole house – having 4 or more bathrooms											
Commercial – multiple demand applications											

Applications for the Monsoon and Monsoon Extra ranges:



Application Guide



Monsoon						Monsoon Extra							
SINGLE						SINGLE						PRESSURE SETS	
2.0		3.0		4.5		1.4	1.4	2.6	3.6	5.0	2.6	3.6	
Uni	Std	Uni	Std	Uni	Std	Uni	Std	Uni	Uni	Uni	PS	PS	
Medium		High				Med			High				
✓	✓	✓	✓	✓	✓								
✓	✓	✓	✓	✓	✓								
✓		✓		✓									
✓ x2		✓ x2		✓ x2									
	✓		✓		✓								
		✓ x2		✓ x2				✓	✓				
✓		✓		✓									
✓ x2		✓ x2		✓ x2									
✓ x2		✓ x2		✓ x2		✓		✓	✓				
✓		✓		✓				✓	✓		✓	✓	
						✓		✓	✓	✓	✓	✓	
✓ x2		✓ x2											
✓ x2		✓ x2		✓ x2									
		✓ x2		✓ x2									
						✓ x2		✓ x2	✓ x2				
						✓	✓	✓	✓	✓	✓	✓	

MONSOON

Full technical data sheets are available to download: www.stuart-turner.co.uk

For further advice on selecting the correct pump call Pump Assist 0844 98 000 97