

# techflo qt

Techflo qt centrifugal pumps use the most advanced multistage impeller and diffuser design.

Techflo qt provides high pressure and flow but also whisper quiet operation when boosting the performance of a single shower, complete bathroom or whole house.

As with all Stuart Turner products techflo qt pumps are extremely reliable and simple to install.

## Features and benefits

### Performance

- 1.3 to 3.3 bar performance options
- Positive or negative head options
- Twin or Single
- Quiet operation
- Centrifugal design
- Automatic switching
- Dry run protection

### Quality

- WRAS compliant
- ISO 9001:2008
- BS EN 60335 compliant
- CE compliant

### Reliability

- 3 year guarantee
- Durable plastic construction
- Long life mechanical seal



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

The high quality, plastic construction of the **Techflo qt range** has been designed to provide high flow and whisper quiet operation at a competitive price.



**Centrifugal Design**  
Pressure efficient  
Compact size

# Whisper quiet technology



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**Automatic Switching**  
Flow Switch – automatically starts the pump when flow exceeds 1 litre/min



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



**Mechanical Seal**  
Carbon/Ceramic seal  
Long life



**Flexible Hoses**  
200 mm anti-vibration flexible hoses with integral isolating valves  
22 mm push fit to pump and pipe work

# techflo qt

## Techflo qt **Universal Twin**

Universal twin pumps are designed to boost the incoming hot and cold water supply to an individual shower, complete bathroom, or whole house. Suitable for both positive and negative head applications.



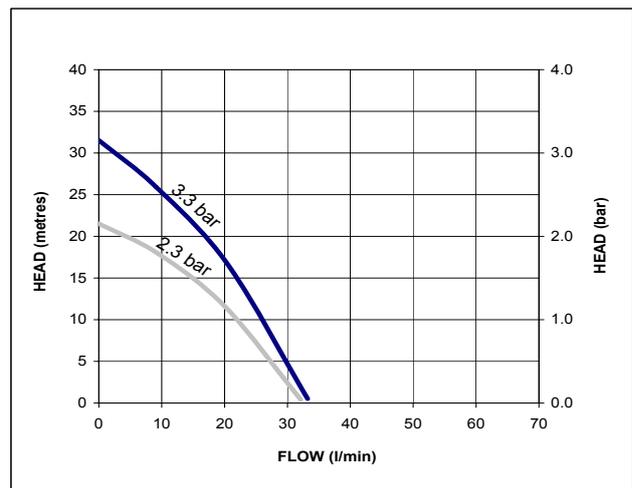
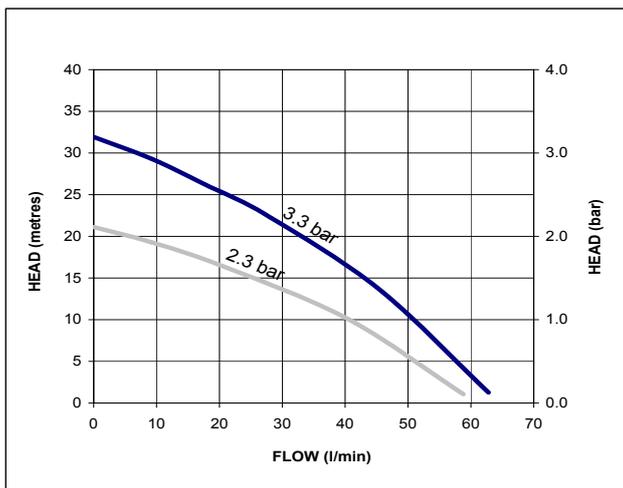
Part No	Model
49080	U2.3 bar Twin
49081	U3.3 bar Twin

## Techflo qt **Universal Single**

Universal single pumps can be used in pairs to pump hot and cold water supplies independently, or as a single pump to boost a water supply to an individual shower, complete bathroom or whole house. Suitable for both positive and negative head applications.



Part No	Model
49082	U2.3 bar Single
49083	U3.3 bar Single



## Applications for the Techflo qt range

For application guidance  
see pages 36 & 37



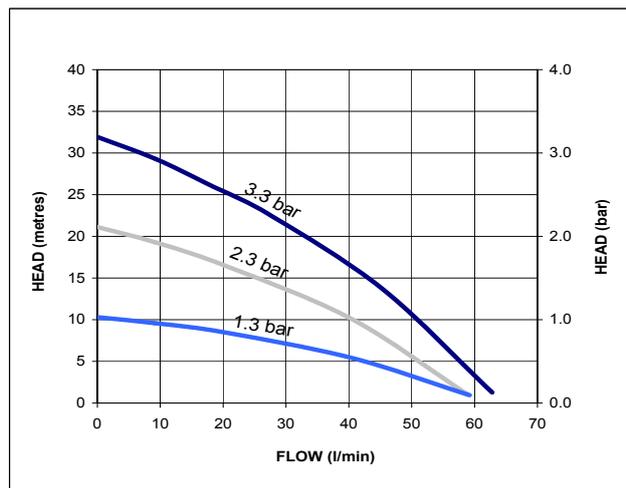
# Whisper quiet technology

## Techflo qt **Standard Twin**

Standard twin pumps are designed to boost the incoming hot and cold water supply to an individual shower, complete bathroom or whole house. Suitable for positive head applications only.



Part No	Model
49074	S1.3 bar Twin
49075	S2.3 bar Twin
49076	S3.3 bar Twin

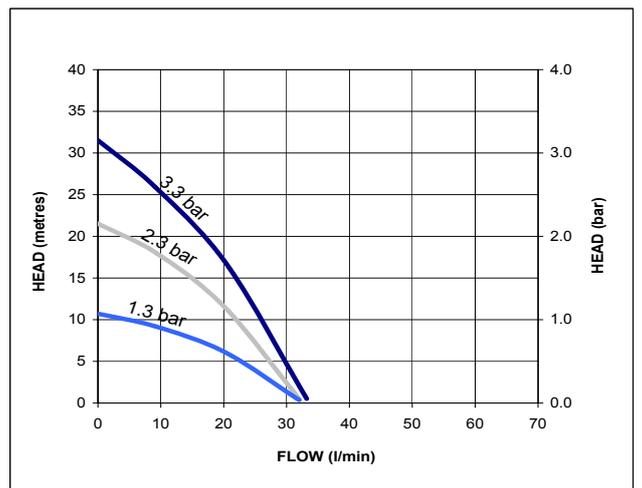


## Techflo qt **Standard Single**

Standard single pumps are designed to improve water supplies to single taps or to pump blended water from a shower mixer. Suitable for positive head applications only.



Part No	Model
49077	S1.3 bar Single
49078	S2.3 bar Single
49079	S3.3 bar Single



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

For further advice on selecting the correct pump call:

**pumpassist**  
HELPLINE +44 (0) 844 98 000 97

Techflo tp centrifugal shower pumps offer an affordable entry level solution for boosting the performance of a single shower.

As with all Stuart Turner products Techflo tp pumps are simple to install and very quiet in operation.

## Features and benefits

### Performance

- 1.5 to 2.0 bar performance options
- Positive head
- Twin or Single
- Quiet operation
- Centrifugal design
- Automatic switching
- Dry run protection

### Quality

- WRAS compliant
- ISO 9001:2008
- BS EN 60335 compliant
- CE compliant

### Reliability

- 1 year guarantee
- Durable plastic construction
- Long life mechanical seal



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

The high quality, plastic construction of the **Techflo tp range** has been designed to provide an entry level range of shower pumps, competitively priced.

# Whisper quiet technology



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## Centrifugal Design

Pressure efficient  
Compact size



## Automatic Switching

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



## Mechanical Seal

Carbon/Ceramic seal  
Long life



## Flexible Hoses

200 mm anti-vibration flexible hoses  
G 3/4 threaded connections to pump  
15 mm push fit to pipe work

# techflo tp



## Applications for the Techflo tp range

For application guidance  
see pages 36 & 37



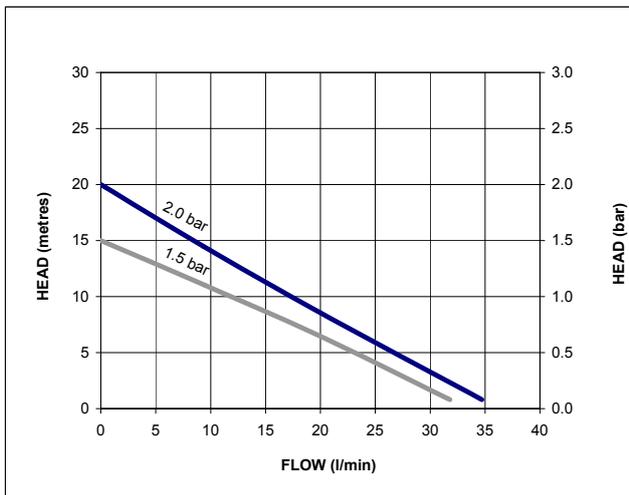
# Whisper quiet technology

## Techflo tp **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. Suitable for positive head applications only.



Part No	Model
49084	S1.5 bar Twin
49085	S2.0 bar Twin

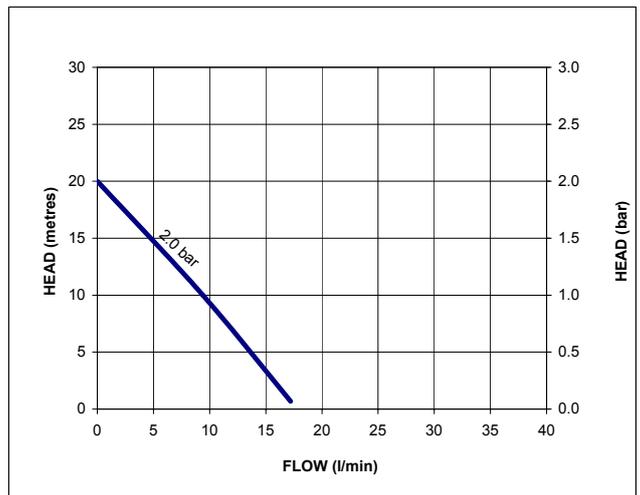


## Techflo tp **Standard Single**

Standard single pumps are designed to improve water supplies to single taps or to pump blended water from a shower mixer. Suitable for positive head applications only.



Part No	Model
49086	S2.0 bar Single



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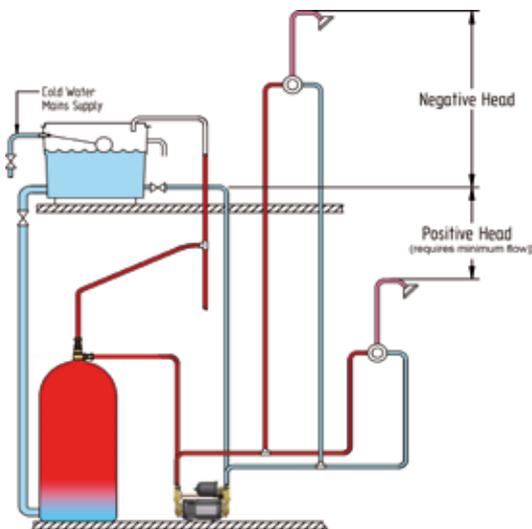
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# techflo

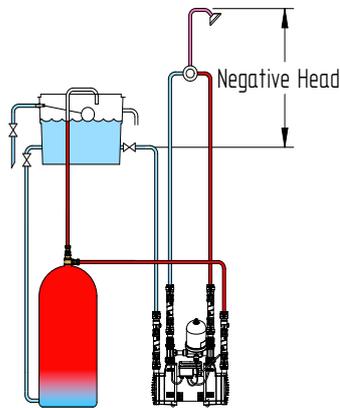
The following diagrams show where Techflo pump types would be typically located within the most commonly used plumbing systems.

## Positive or Negative Head System?



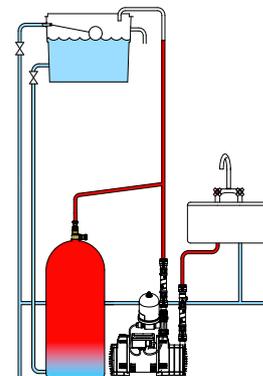
## Shower Outlet Negative Head

Typical application:  
Techflo qt Universal Twin



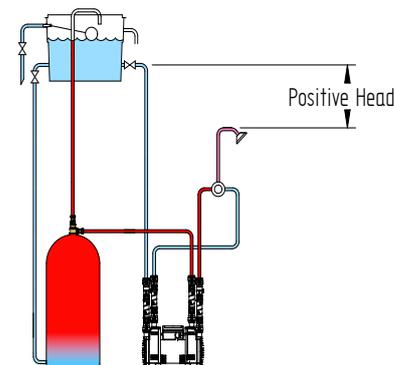
## Boost Gravity Hot Supply to High Pressure Kitchen Tap

Typical application:  
Techflo qt Universal Single



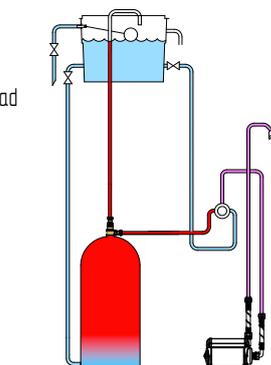
## Shower Outlet Positive Head

Typical application:  
Techflo qt Standard Twin  
Techflo tp StandardTwin



## Shower Outlet Blended Supply Positive Head

Typical application:  
Techflo tp Standard Single



### 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 0.8 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.

Applications for the Techflo qt and Techflo tp ranges:



# Application guide

Please note, this is a general guide only and individual site conditions will vary. <b>For further advice or technical assistance please contact our PumpAssist team.</b>		Techflo qt						Techflo tp				
		TWIN			SINGLE			TWIN	TWIN	SIN		
		1.3	2.3	3.3	1.3	2.3	3.3	1.5	2.0	2.0		
		Std	Uni	Std	Uni	Std	Std	Uni	Std	Std	Std	Std
PRESSURE BANDS		Medium		High		Medium		High		Medium		
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		●	●	●	●	●	×2		×2			
Supply to combination boiler from a break tank									●			
Unvented stored hot water system		See note below for Monsoon and Monsoon extra ranges										
Apartments			●		●			●		●		
Whole house - up to 2 bathrooms		●	●	●	●	●		×2		×2		
Whole house - up to 3 bathrooms					●	●				●		
Whole house - having 4 or more bathrooms		Pumps suitable for these applications are available from our Monsoon and Monsoon extra ranges. See Monsoon pump application guide on pages 16 & 17										
Commercial - multiple demand applications		Pumps suitable for these applications are available from our Monsoon and Monsoon extra ranges. See Monsoon pump application guide on pages 16 & 17										

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 HELPLINE +44 (0) 844 98 000 97