

Salamander Pumps



# Boost your water pressure

Shower, bathroom and whole house pumps



# Smarter water performance

Many homes experience water pressure problems, from dribbling taps, slow filling toilet cisterns and less than satisfying shower experiences, that's where our products can help...

## **SHOWERBOOST**

Designed to boost the performance of a single outlet, ie a shower, tap or appliance.

## **BATHROOMBOOST**

Engineered to boost the increased demands for water supply to multiple outlets in your en-suite, bathroom or utility room.

## **HOUSEBOOST**

Designed to boost water pressure throughout your entire home.

## **TECHNICAL**

Range overview, dimensions, flow curves, specification, noise and typical installation diagrams.

# WE'RE HERE TO HELP..

At Salamander Pumps we offer more than just reliable, compact pumps. We offer householders and installers help and advice before, during and after installation through Pumpwise, our technical advice team....

## BEFORE YOU BUY

Getting the right pump for your needs is critical which is why we offer technical assistance, guidance and advice to ensure that you select the right pump for the job.

We can also put you in touch with an installer in your area through our Plumber's Network.

## DURING INSTALLATION

If your installation is not straightforward or if you have any queries as to how best to install our pumps, Pumpwise is on hand to give technical support. Just give us a call from site and we can talk you through the best way to fit our pump in your particular installation.

## AFTER INSTALLATION

On the rare occasion there is a problem with a pump after installation, Pumpwise can try and resolve your issue over the telephone, or if that's not possible they can arrange other solutions such as an engineer visit.

The standard warranty period of our CT Xtra, CT Bathroom and Right Pump ranges can be extended by a further 2 years at an additional charge.

We also offer a range of spares to repair pumps once they are out of their warranty period, these are available from selected online retailers and at [shop.salamander.co.uk](http://shop.salamander.co.uk)

## Contact Pumpwise

**Call:** 0191 516 2002

**Email:** [tech@salamanderpumps.co.uk](mailto:tech@salamanderpumps.co.uk)

**Live Chat** at [salamanderpumps.co.uk](http://salamanderpumps.co.uk)



Our opening hours:

Monday - Thursday 8.00 -17.30

Friday 8.00 -17.00



# WHY DO YOU NEED A PUMP?

Many homes in the UK experience low water pressure, which can reduce your water flow to a trickle which means it will take a long time to fill a kettle, toilet cistern or a bath.

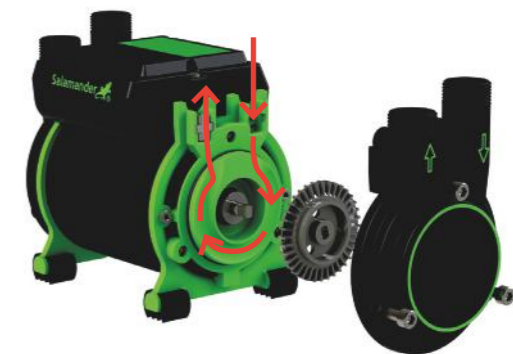
It can be caused by many things, for example if you have a mains fed water system then your pressure can be affected by how much water other people are using at the same time, or even if your home is at the top of a hill as water companies might rely on gravity to get water from a reservoir to your home.

If you have a heating and hot water system that relies on gravity to move water around the home, while fine for most household needs, a gravity fed system rarely provides enough pressure to give a powerful invigorating shower or quick bath-fill.

And that's where our products come in...

## OUR PUMPS

Our pumps 'force' water around inside the chamber creating pressure which then forces the water out more quickly and powerfully.



# THE DIFFERENCE A PUMP CAN MAKE?

The additional pressure created by a pump gives you the pressure to create an invigorating shower, or to fill your bath more quickly.

## LOW WATER PRESSURE...



## BOOSTED WATER PRESSURE...



# CHOOSING A PUMP:

The pump you need depends on four key things:

## 1 WHAT YOU WANT TO POWER:

Our pumps are grouped into three categories depending on whether you want to improve power to just one shower, a whole bathroom or the whole house:

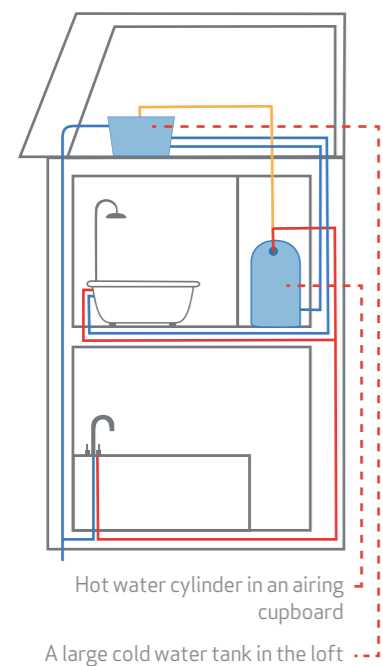
- ShowerBoost
- BathroomBoost
- HouseBoost

## 2 WHAT TYPE OF HEATING SYSTEM YOU HAVE?

There are 3 main types of hot water system in the UK:

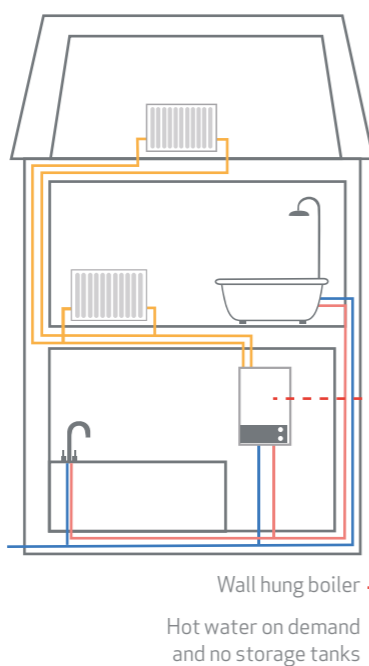
### GRAVITY FED

If you live in an older property there's a good chance you have a gravity-fed system, renowned for poor pressure and flow.



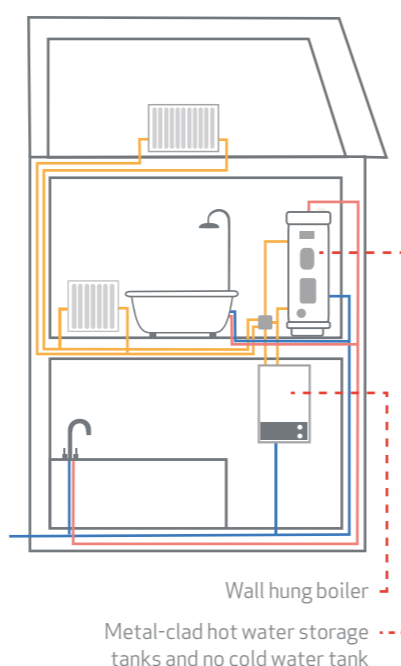
### COMBI BOILER

Combination boilers are common and rely solely on mains pressure to deliver water around your home.



### UNVENTED

Unvented systems require a separate hot water cylinder to store a quantity of hot water at mains pressure.



Most of our pumps are designed to work with a gravity fed system, apart from HomeBoost which works with a combi system directly on the mains water. If you are unsure what type of system you have or if you have an unvented system, call us on 0191 516 2002 for advice.

## 3 WHERE YOUR COLD WATER TANK IS:

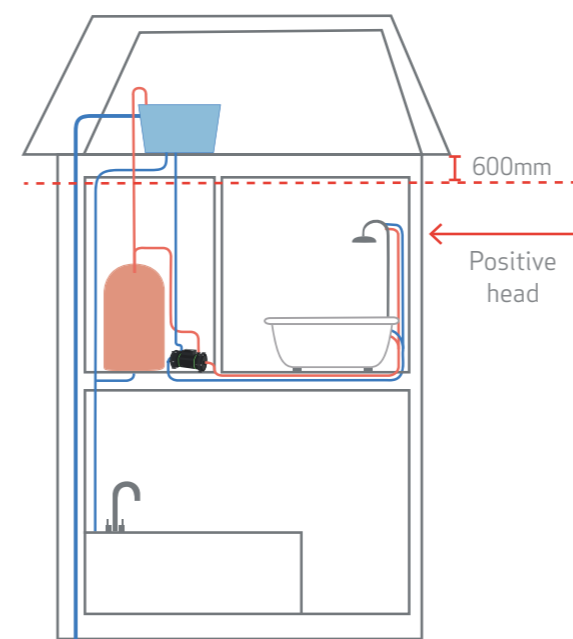
For gravity fed systems, the gap between the bottom of your cold water storage tank and the highest point in your pipework or highest outlet determines whether your system is positive or negative head.

Universal (negative head pumps) will work in both situations, so if you are unsure, choose a negative head pump, or call us for advice.

### YOU HAVE A POSITIVE HEAD SYSTEM ...

If you have more than 600mm from the bottom of your cold water storage tank to the highest point in the system after the pump.

For example, the illustration below shows a shower with pipework below the dotted line indicating the 600mm point.



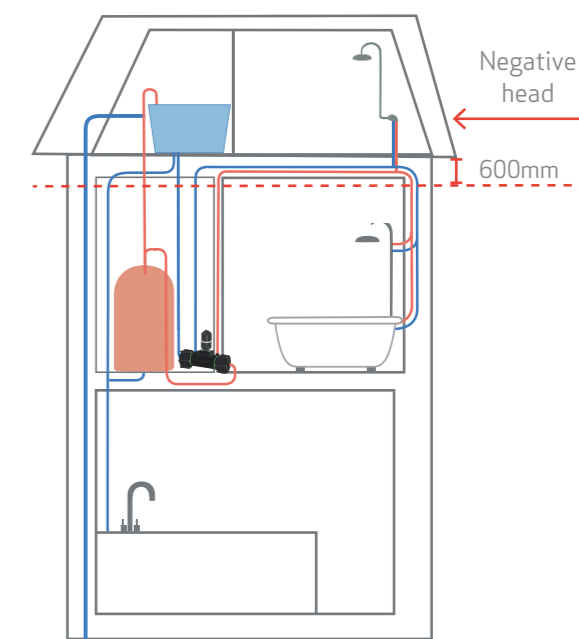
### YOU HAVE A NEGATIVE HEAD SYSTEM...

If your outlet or highest point in the pipework after the pump is above, or in line with, the 600mm point below the cold water storage tank.

For example, the illustration on the right shows a shower in the attic with pipework above the dotted line indicating the 600mm point.

You also have a negative head system if you time how long it takes to fill a measuring jug and:

- it takes more than 30 seconds to get 2 litres of water from a mixed tap or shower (probably the highest one in your home) or
- it takes more than 30 seconds to get 1 litre of water from either the hot or cold tap.



## 4 THE SIZE OF YOUR SHOWER HEAD:

The bigger the shower head or the more things you want to pump, the more powerful pump you are going to need.

SHOWER HEAD DIAMETER	BAR
Up to 5cm	1.5
5-10cm	2.0
10-12.5cm	2.5
More than 12.5cm	3.0

Giving you that invigorating power shower experience everyday

# SHOWERBOOST

Boost water pressure to your shower, toilet or a single tap.

From 1.5 bar all of these pumps can turn your average shower into an invigorating one.

## PRODUCT OVERVIEW



	CT XTRA	CT FORCE	RIGHT PUMP
PERFORMANCE	●●●●●	●●●●●	●●●●●
KEY FEATURES	<ul style="list-style-type: none"> <li>• Compact</li> <li>• Value for money</li> </ul>	<ul style="list-style-type: none"> <li>• Compact</li> <li>• Robust brass components</li> </ul>	<ul style="list-style-type: none"> <li>• High performance</li> <li>• Quietest 1.5bar pump on the market</li> </ul>
GUARANTEE	3 years*	5 years	3 years*
MODELS	CT50Xtra / CT50+Xtra CT75Xtra / CT75+Xtra CT55Xtra / CT55+Xtra CT85Xtra / CT85+Xtra	CT Force 15PT CT Force 20PT CT Force 30PT CT Force 15TU CT Force 20TU CT Force 30TU CT Force 20PS CT Force 30PS CT Force 20SU CT Force 30SU	RP50PT RP75PT RP100PT RP50TU RP75TU RP100TU RP55SU RP80SU RP120SU

Please refer to pump selector for model suitability.  
 \*3 year warranty can be extended by a further 2 years at an additional charge. Contact Salamander Pumps on 0191 516 2002 for further information.

These pumps are for gravity fed heating systems only.

### OTHER HEATING SYSTEMS

If you have an unvented heating system please contact us to discuss suitable products. If you have a combi boiler please visit our HomeBoost pump.

### POWER SHOWERS

If your shower has steam cubicles, champagne spray, massage functions or multiple body sprays then you may need a pump from our Houseboost range.



## CT XTRA

CT Xtra is our hard working, affordable pump and is also our best-selling pump range. Robust, compact and quiet these pumps are the ideal way to boost the water pressure to a single shower. These positive head pumps are available in single ended for boosting just the hot or just the cold and twin ended for boosting both hot and cold via a thermostatic mixer valve. CT50/50+ Xtra and CT75/75+ Xtra are not suitable for taps and whole house application.

### The quietest 1.5 bar pump of its kind

These pumps operate from 52.5 dBA. They have been independently tested against other regenerative plastic pumps and have been found to be the quietest.

### Run the pump for as long as you like

With a continuously rated motor the pump will never overheat.

### Value for money

Our entry level pump is solid and dependable.

### Compact size

Will fit in small spaces in lofts or airing cupboards. The ideal place to install a pump is at the base of the hot water cylinder, typically in an airing cupboard.



Independently tested, contact us for details



See page 34 for details.

Pump	Application	Bar	dBA
CT50/50+ Xtra	Twin ended, positive head shower pump	1.5	52.5
CT75/75+ Xtra	Twin ended, positive head shower pump	2.0	53.5
CT55/55+ Xtra	Single ended, positive head pump	1.5	44.5
CT85/85+ Xtra	Single ended, positive head pump	2.2	52

For full specifications see page 34. If you are unsure about selecting the correct pump, either contact Pumpwise on 0191 516 2002, or speak to an installer. All of our pumps are supplied with flexible hoses.



## CT FORCE

Built with robust brass ends and brass impellers this range of pumps has been engineered to be some of the quietest brass pumps on the market. Efficient water way design coupled with motor pump integration (see technology inside section for details) makes this range compact, powerful and robust.

### CT Force 15PT is the quietest twin ended brass pump

Independently tested to be 48dBA, the CTForce 15PT is the quietest twin ended brass pump on the market.

### Robust and durable

With a brass impeller and brass ends, these pumps are built to last.

### 5 year warranty

For peace of mind.



Independently tested, contact us for details



See page 34 for details.

Pump	Application	Bar	dBA
CT Force 15 PT	Twin ended positive head shower pump	1.5	48
CT Force 20 PT	Twin ended positive head shower pump	2.0	54
CT Force 30 PT	Twin ended positive head house pump	3.0	52.5
CT Force 15 TU	Twin ended universal bathroom pump	1.5	49
CT Force 20 TU	Twin ended universal bathroom pump	2.0	42
CT Force 30 TU	Twin ended universal house pump	3.0	48
CT Force 20 PS	Single ended positive head pump	2.0	54
CT Force 30 PS	Single ended positive head pump	3.0	52.5
CT Force 20 SU	Single ended universal pump	2.0	49
CT Force 30 SU	Single ended universal pump	3.0	42

For full specifications see page 38. If you are unsure about selecting the correct pump, either contact Pumpwise on 0191 516 2002, or speak to an installer. All of our pumps are supplied with flexible hoses.



## RIGHT PUMP

These premium shower pumps maintain pressure at higher flow rates. The centrifugal impeller means these pumps are quiet while giving your shower an extra boost.

### Our quietest pumps

From just 45.5dBA, these shower pumps are the quietest on the market. Independently tested against the competitor's equivalent, the RP50PT is the quietest twin shower pump available.

### Powerful

The best pressure and flow performance.



Independently tested, contact us for details



See page 34 for details.

Pump	Application	Bar	dBA
RP50PT	Twin ended positive head shower pump	1.5	45.5
RP75PT	Twin ended positive head bathroom pump	2.2	50.2
RP100PT	Twin ended positive head house pump	3.0	54.5
RP50TU	Twin ended universal bathroom pump	1.5	45.5
RP75TU	Twin ended universal bathroom pump	2.2	50.2
RP100TU	Twin ended universal house pump	3.0	54.5
RP55SU	Single ended universal bathroom pump	1.5	49.5
RP80SU	Single ended universal bathroom pump	2.4	51.5
RP120SU	Single ended universal house pump	3.6	51.5

For full specifications see page 40. If you are unsure about selecting the correct pump, either contact Pumpwise on 0191 516 2002, or speak to an installer. All of our pumps are supplied with flexible hoses.



Spend your time relaxing in the bath instead of running it

# BATHROOMBOOST

Give every outlet in your en-suite, bathroom or utility room a boost.

Boosting a whole bathroom requires more power. Our clever Crossover™ technology protects our twin ended pumps from wear as they cope with hot or cold water running on its own e.g. when filling a bath.

## PRODUCT OVERVIEW



	CT BATHROOM	CT FORCE	RIGHT PUMP
PERFORMANCE	●●●●●	●●●●●	●●●●●
KEY FEATURES	<ul style="list-style-type: none"> <li>• Compact</li> <li>• Specifically designed to power the whole bathroom</li> </ul>	<ul style="list-style-type: none"> <li>• Compact</li> <li>• Robust brass components</li> </ul>	<ul style="list-style-type: none"> <li>• High performance</li> <li>• Quietest pumps in our product range</li> <li>• Self-protecting system in the universal versions</li> </ul>
GUARANTEE	3 years*	5 years	3 years*
MODEL	CT60B CT80B CT60BU CT80BU CT90BU	CT Force 20PT CT Force 30PT CT Force 20TU CT Force 30TU CT Force 20PS CT Force 30PS CT Force 20SU CT Force 30SU	RP75PT RP100PT RP75TU RP100TU RP80SU RP120SU

\*3 year warranty can be extended by a further 2 years at an additional charge. Contact Salamander Pumps on 0191 516 2002 for further information.

These pumps are for boosting shower and bathroom performance in gravity fed heating systems only.

### OTHER HEATING SYSTEMS

If you have an unvented heating system please contact us to discuss suitable products. If you have a combi boiler please visit our HomeBoost pump.



## CT BATHROOM

With their advanced design features, the CT Bathroom range will efficiently boost the hot and/or cold water supplies to showers, baths, basins and toilets. These pumps are suitable for a wide range of shower types and heads, single mixer taps and refilling your toilet cistern in double quick time.

### Crossover™ technology

Protects the pump from damage and prolongs its life.

### Higher performance and pressure

To cope with the demand for increased water pressure to multiple outlets in one room.

### Patented technology

Our innovative product designs are protected by patents, making them unique in the world of shower pumps, see page 36 for details.



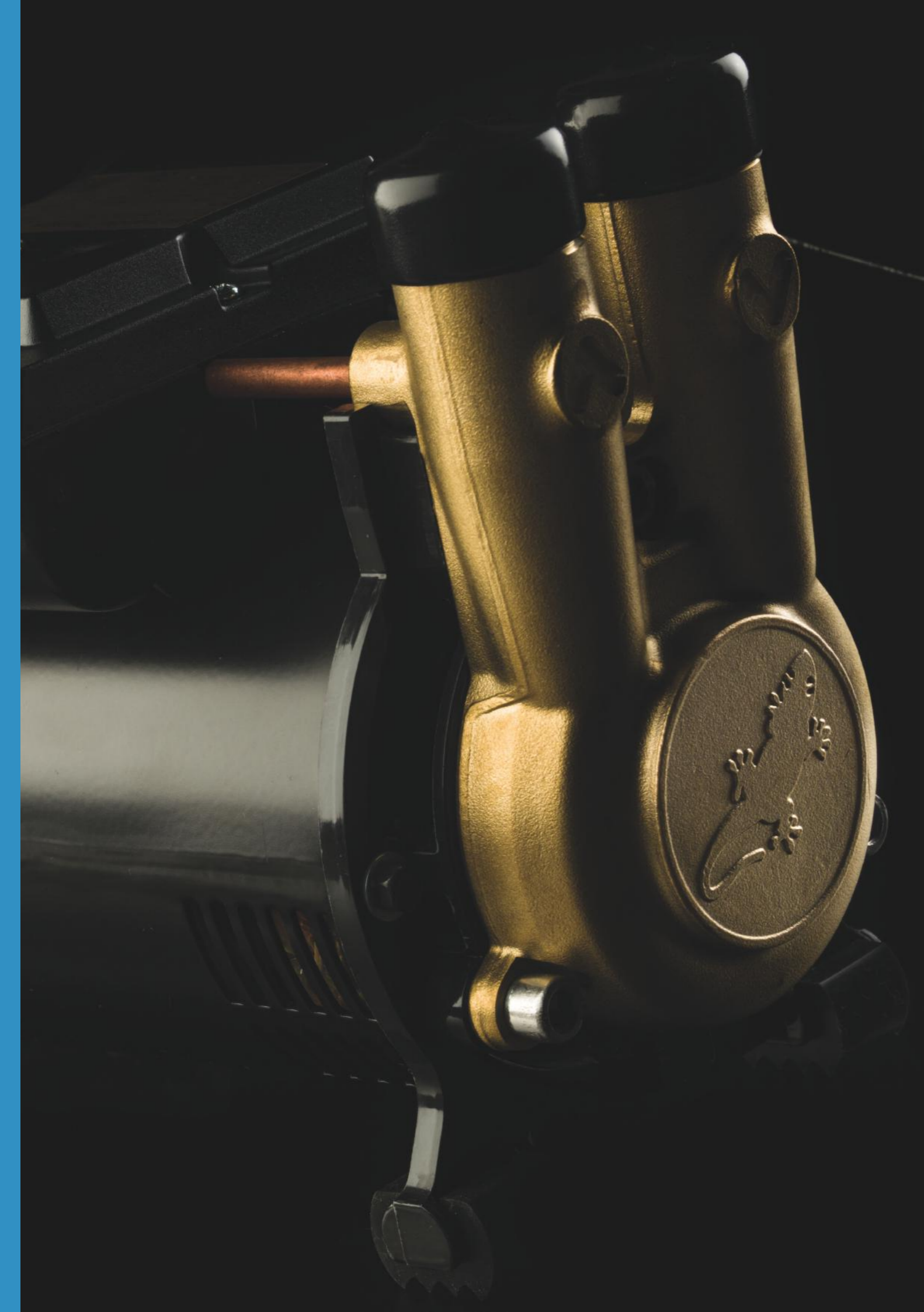
Independently tested, contact us for details



See page 34 for details.

Pump	Application	Bar	dBA
CT60B	Twin ended, positive head bathroom pump	1.8	53.5
CT80B	Twin ended, positive head bathroom pump	2.6	57.5
CT60BU	Twin ended, universal bathroom pump	1.8	53.5
CT80BU	Twin ended, universal bathroom pump	2.6	57.5

For full specifications see page 36. If you are unsure about selecting the correct pump, either contact Pumpwise on 0191 516 2002, or speak to an installer. All of our pumps are supplied with flexible hoses.



## CT FORCE

The CT Force range is your ideal partner in boosting hot and/or cold supplies to thermostatic or manual mixer valves, supplying a wide range of shower types and shower heads, individual taps, cisterns and the other appliances, and whole bathroom boosting applications. All of our twin-ended CT Force pumps now have Crossover Technology™.

### Quiet

Independently tested at just 42dBA, our brass range of pumps are some of the quietest on the market.

### 5 year warranty

With a brass impeller and ends, these pumps are built to last.

### Patented technology

We invest a lot of time and effort in improving all our pumps, so we make sure they are patent protected, see page 38 for details.



Independently tested, contact us for details



See page 34 for details.

Pump	Application	Bar	dBA
CT Force 20 PT	Twin ended positive head bathroom pump	2.0	54
CT Force 30 PT	Twin ended positive head bathroom pump	3.0	52.5
CT Force 20 PS	Single ended positive head bathroom pump	2.0	49
CT Force 30 PS	Single ended positive head bathroom pump	3.0	42
CT Force 20 TU	Twin ended universal bathroom pump	2.0	54
CT Force 30 TU	Twin ended universal bathroom pump	3.0	52.5
CT Force 20 SU	Single ended universal bathroom pump	2.0	49
CT Force 30 SU	Single ended universal bathroom pump	3.0	42

For full specifications see page 38. If you are unsure about selecting the correct pump, either contact Pumpwise on 0191 516 2002, or speak to an installer. All of our pumps are supplied with flexible hoses.



## RIGHT PUMP

Right pumps are our premium product range, offering the most powerful performance. Using centrifugal force they are quieter and more flow efficient than regenerative pumps, and the universal versions have added technology that protects the pump from the most common issues.

### Quietest pumps in our range

From 45.5dBA, these pumps offer a quiet and powerful performance.

### Powerful

The most powerful pumps in our product range.

### Patented technology

The universal versions of the Right Pump range have patented technology that protects the pump against being damaged if there is insufficient water or if the water is too hot, prolonging the life of the pump. See page 40 for details or visit [salamanderpumps.co.uk](http://salamanderpumps.co.uk).



Independently tested, contact us for details



See page 34 for details.

Pump	Application	Bar	dBA
RP75PT	Twin ended positive head bathroom pump	2.2	50.2
RP100PT	Twin ended positive head bathroom pump	3.0	54.5
RP75TU	Twin ended universal bathroom pump	2.2	50.2
RP100TU	Twin ended universal bathroom pump	3.0	54.5
RP80SU	Single ended universal bathroom pump	2.4	51.5
RP120SU	Single ended universal bathroom pump	3.6	51.5

For full specifications see page 40. If you are unsure about selecting the correct pump, either contact Pumpwise on 0191 516 2002, or speak to an installer. All of our pumps are supplied with flexible hoses.

Banish trickles forever

# HOUSEBOOST

Designed to boost water pressure throughout your entire home.

When the pressure is low throughout the whole house these powerful yet quiet pumps will deliver increased pressure to all outlets and household appliances. We have pumps that can help boost the pressure in gravity fed and direct mains systems such as combi boilers and unvented systems.

## PRODUCT OVERVIEW



	HOMEBOOST	CT FORCE	RIGHT PUMP
PERFORMANCE	●●●●●	●●●●●	●●●●●
HEATING SYSTEM	Combi boiler	Gravity fed	Gravity fed
KEY FEATURES	<ul style="list-style-type: none"> <li>The only mains boosting pump that can be plumbed to the mains without authorisation from water authorities</li> <li>An intelligent pump that automatically boosts water pressure when it needs to</li> </ul>	<ul style="list-style-type: none"> <li>Compact</li> <li>Robust brass components</li> </ul>	<ul style="list-style-type: none"> <li>High performance</li> <li>Quietest pumps on the market</li> </ul>
GUARANTEE	3 years	5 years	3 years*
MODELS	HomeBoost	CT Force 30PT CT Force 30TU CT Force 30PS CT Force 30SU	RP100PT RP100TU RP120SU

\* 3 year warranty can be extended by a further 2 years at an additional charge. Contact Salamander Pumps on 0191 516 2002 for further information.

## OTHER HEATING SYSTEMS

If you have an unvented heating system please contact us to discuss suitable products.



## HOMEBOOST

If you are experiencing low water pressure from the mains supply, for example, slow flow through taps and poor shower performance, and your home has a combi boiler then HomeBoost is the perfect solution to help boost the pressure throughout your entire home.

### For combi boiler systems

The only pump designed for homes with a combi boiler.

### An intelligent pump

It recognises when pressure and flow is low and automatically boosts the performance of the incoming mains water, for instance early in the morning when many people in the street or block are showering, the mains pressure may drop and this is when HomeBoost does its work.

### Higher pressure and flow

Pumps the incoming mains water up to 12 litres per minute ensuring compliance with water fitting regulations\*. An electronically controlled motor allows this pump to vary its speed, maintaining a 12 litres per minute flow.

### Quiet

HomeBoost holds Quiet Mark, an international award from the UK Noise Abatement Society awarded to products after independent testing proves them to be one of the quietest in its class.



Independently tested, contact us for details



Pump	Application	Bar	dBa
HomeBoost	For homes with a combi boiler and low water pressure.	1.6 (approx.)	46

For full specifications see page 44. If you are unsure about selecting the correct pump, either contact Pumpwise on 0191 516 2002, or speak to an installer.

\* UK water fittings regulation of 1999 states that the most you can pump from the mains supply is 12 litres per minute. Pumping water in excess of 12 litres will require permission from the water authority.



## CT FORCE

Powerful and robust these CT Force pumps deliver a real boost to low water pressure systems.

### Compact size

Will fit in small spaces in lofts or airing cupboards.

### Quiet

From 42dBA these 3.0 bar pumps are really quiet.

### 5 year warranty

With a brass impeller and ends, these pumps are built to last.

### Patented technology

Patent protected, design engineered technologies have been used in the universal twin ended variants to help prolong the life of the pump. See page 38 for details.



Independently tested, contact us for details



See page 34 for details.

Pump	Application	Bar	dBA
CT Force 30PT	Twin ended positive head house pump	3.0	52.5
CT Force 30PS	Single ended positive head pump	3.0	42
CT Force 30TU	Twin ended universal house pump	3.0	52.5
CT Force 30SU	Single ended universal pump	3.0	42

For full specifications see page 38. If you are unsure about selecting the correct pump, either contact Pumpwise on 0191 516 2002, or speak to an installer. All of our pumps are supplied with flexible hoses.



## RIGHT PUMP

For homes with a gravity fed heating system these quiet and powerful pumps are the best solution to low water pressure problems throughout the whole house.

### Powerful

The most powerful pumps in our range.

### Quiet

From 51.5dBA this range of pumps delivers a powerful, quiet performance.

### Patented technology

The universal options have an inbuilt electronic system protection which prevents the pump from being damaged if there is insufficient water flow or if the water is too hot, this prolongs the life of the pump. See page 40 for details.



Independently tested, contact us for details



See page 34 for details.

Pump	Application	Bar	dBA
RP100PT	Twin ended positive head bathroom pump	3.0	54.5
RP100TU	Twin ended universal bathroom pump	3.0	54.5
RP120SU	Single ended universal bathroom pump	3.6	51.5

For full specifications see page 40. If you are unsure about selecting the correct pump, either contact Pumpwise on 0191 516 2002, or speak to an installer. All of our pumps are supplied with flexible hoses.



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### CROSSOVER™

An innovatively designed bypass tube found in bathroom, universal and whole house pumps. This diverts water to the end of the pump that isn't pumping water. Typically this happens when the user switches off one tap when filling a bath or basin. The Crossover™ stops the overheating/expansion of the side of the pump that isn't seeing water.



### MOTOR PUMP INTEGRATION™

The innovative product design building the motor into the pump impellor housing to allow for an extremely compact product. The design also means that the cold waterway helps cool the motor, thereby improving efficiency and product life.



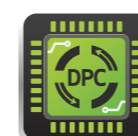
### SOLID STATE SWITCHING™

An electronic switch which activates the pump. The switch has no moving parts, so this improves reliability, sensitivity, and extends product life.



### NOISE/VIBRATION REDUCTION™

Product design innovation has been used to reduce the noise and vibrations associated with shower pumps. These innovations include noise reducing feet and specially selected materials which dampen the vibration of the motor.



### DYNAMIC PUMP CONTROL™

The intelligent electronics that run the motor at a given speed. This makes the pump more energy efficient, responsive and longer lasting.



### DYNAMIC RESPONSE SYSTEM (DRS)™

DRS is the pumps ability to react to a variation in pressure or flow. E.g. if the flow increases then the DRS will send a message to the motor to slow down, meaning that the pump maintains a consistent water output.



### BRUSHLESS MOTORS™

These motors allow for variable speed control, intelligently using the correct amount of electricity required to drive the pump. They have NO contacting parts which make them less likely to wear out and this combined with tighter tolerances also reduces friction and noise.



### ANTI STICTION PROTECTION™

A film of water across the seals acts as a lubricant and prevents them from sticking, however if a pump is not operated for a length of time (a week or so or more) the film of water dries out and this can mean the pump fails to start.

Our twin universal Right Pumps have electronics which detect when a pump hasn't been used for 48 hours which turns the pump on momentarily to refresh the film of water and prevent the pump from sticking.



### INTERROGAI™

The technology within the pump that monitors pump usage e.g. how many times it has been switched on/off or how long it has been running for. It aids in the diagnosis of issues.



### ADVANCED MOTOR DRIVE™

Used with brushless motors, this technology controls the spinning and speed of the motor using feedback from other parts of the pump. This allows for an instant reaction, seamless performance and energy efficiency.

TECHNOLOGY INSIDE

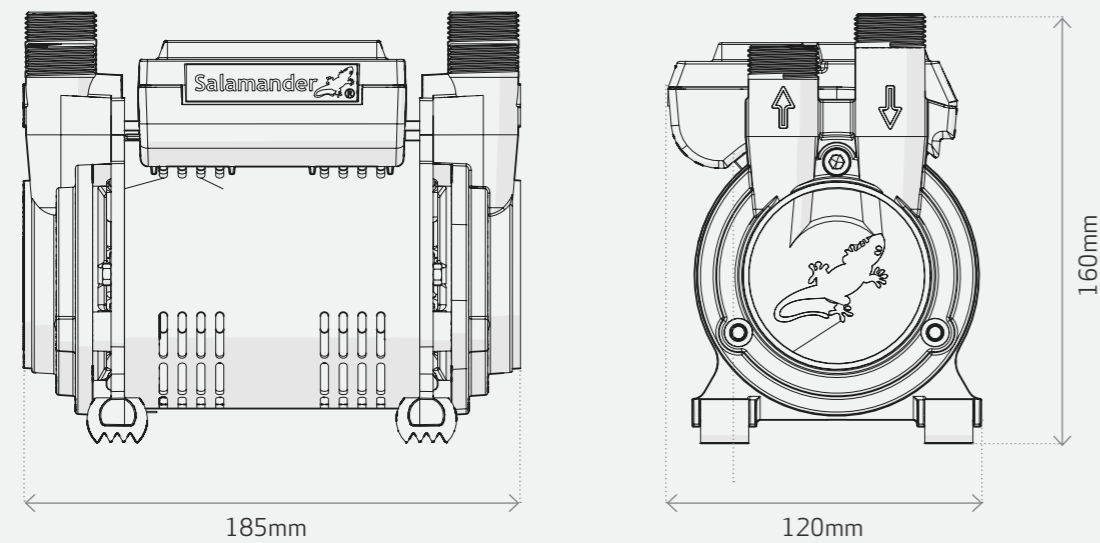


PATENTS

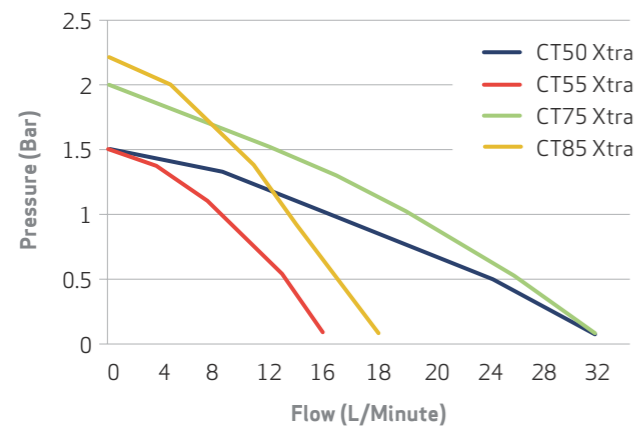
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TECHNICAL SPECIFICATION

DIMENSIONS



FLOW CURVES



		CT50 XTRA / 50+ XTRA	CT75 XTRA / 75+ XTRA	CT55 XTRA / 55+ XTRA	CT85 XTRA / 85+ XTRA
<b>General</b>	Guarantee	3 years*			
	WRAS approval	1309001			
<b>Features</b>	Pump Type	Regenerative			
	Mechanical seal	Nitrile / Carbon / Ceramic			
	Anti-vibration feet	•	•	•	•
	Inlet Isolator(s) - only on '+' models	•	•	•	•
	Flexible Hoses	4	4	2	2
<b>Performance</b>	Pressure @ 16lpm (8lpm for singles)	1.0 Bar	1.3 Bar	1.1 Bar	1.7 Bar
	Pressure @ 8lpm (4lpm for singles)	1.3 Bar	1.7 Bar	1.4 Bar	2.0 Bar
	Pressure @ Closed Head	1.5 Bar	2.0 Bar	1.5 Bar	2.2 Bar
	Maximum Water Temperature	60°C			
<b>Connections</b>	Pump connections	3/4" BSP			
<b>Flexible hoses</b>	Connections (UK Model)	3/4" Female x 15mm Push-Fit x 195mm long			
	Connections (ROI Model)	3/4" Female x 21mm Push-Fit x 195mm long			
<b>Motor</b>	Type	A.C Induction Motor			
	Duty Rating	Continuously Rated			
<b>Electrical</b>	Power supply	230 V			
	Current (full load)	2.0 Amps	2.1 Amps	1.3 Amps	1.1 Amps
	Power consumption	455 Watts	484 Watts	273 Watts	246 Watts
	Fuse rating	3 Amps			
	Power cable (pre-wired)	1.5 metres			
	<b>Physical</b>	Enclosure Protection (IP Rating)	IPX2		
Length		185mm			
Width		120mm			
Height (Excluding Hoses)		160mm			
Weight (Excluding Hoses)		3.6 kg	4.0 kg	3.5 kg	3.9 kg

\* 3 year warranty can be extended by a further 2 years at an additional charge. Contact Salamander Pumps on 0191 516 2002 for further information.

TECHNOLOGY INSIDE

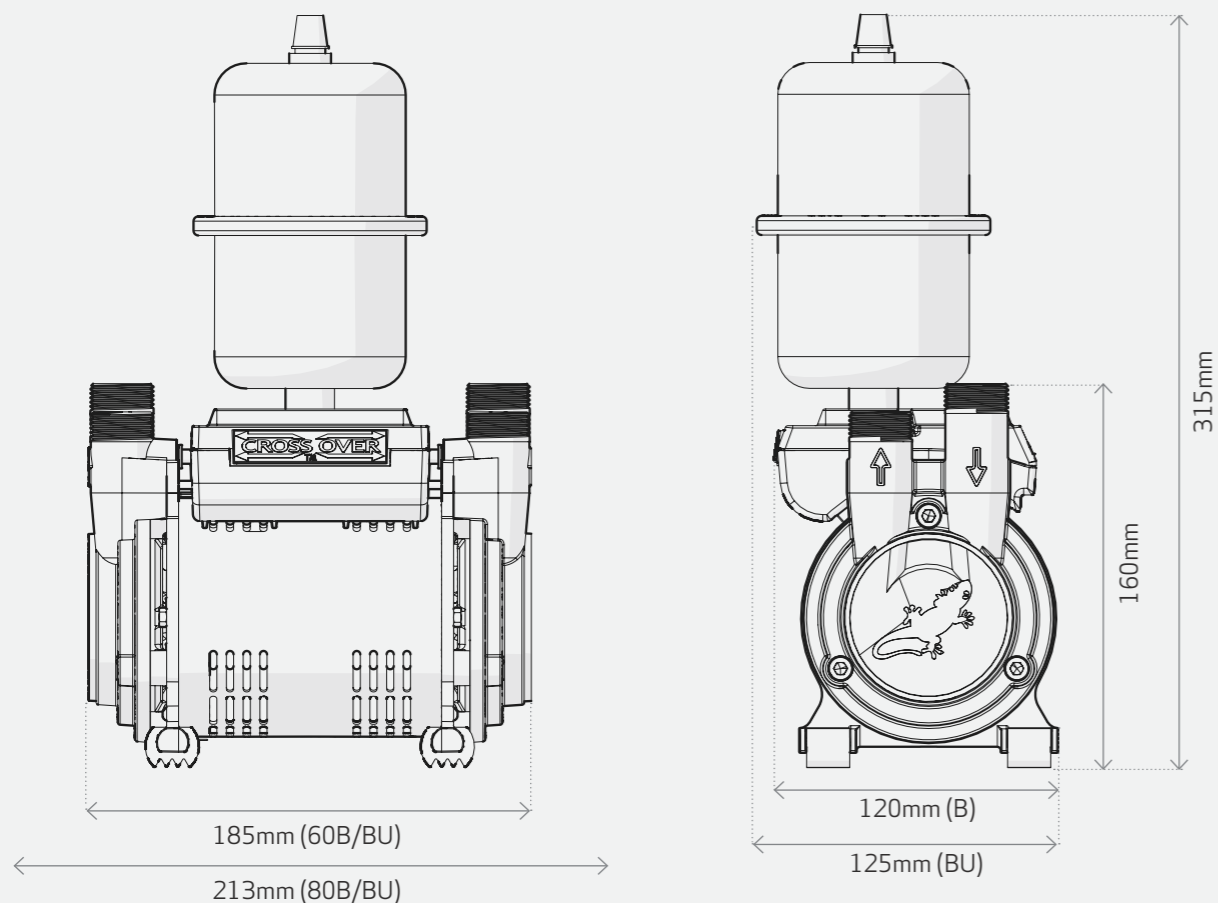


PATENTS

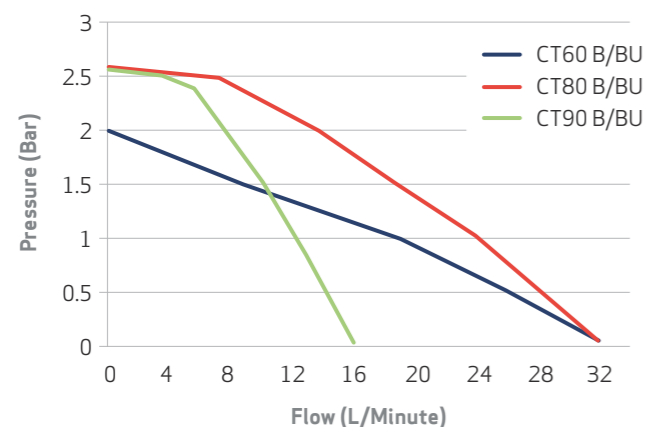
GB2465392B  
Integrated volute

TECHNICAL SPECIFICATION

DIMENSIONS



FLOW CURVES



		CT BATHROOM 60B/BU	CT BATHROOM 80B/BU
<b>General</b>	Guarantee	3 years*	
	WRAS approval	1507004	
<b>Features</b>	Pump Type	Regenerative	
	Mechanical seal	Nitrile / Carbon / Ceramic	
	Anti-vibration feet	•	•
	Inlet Isolator(s) - only on '+' models	•	•
	Flexible Hoses	4	4
<b>Performance</b>	Pressure @ 16lpm (8lpm for singles)	1.2 Bar	1.8 Bar
	Pressure @ 8lpm (4lpm for singles)	1.6 Bar	2.4 Bar
	Pressure @ Closed Head	1.8 Bar	2.6 Bar
	Maximum Water Temperature	60°C	
	Pressure Vessel Air Pre-Charge	28 psi	
<b>Connections</b>	Pump connections	3/4" BSP	
<b>Flexible hoses</b>	Connections (UK Model)	3/4" Female x 15mm Push-Fit isolating valves	3/4" Female x 22mm Push-Fit x 280mm long, isolating valves on all hoses
	Connections (ROI Model)	3/4" Female x 21mm Push-Fit x 280mm long, isolating valves on all hoses	
<b>Motor</b>	Type	A.C Induction Motor	
	Duty Rating	Continuously Rated	
<b>Electrical</b>	Power supply	230 V	
	Current (full load)	2.0 Amps	2.2 Amps
	Power consumption	455 Watts	484 Watts
	Fuse rating	3 Amps	
	Power cable (pre-wired)	1.5 metres	
<b>Physical</b>	Enclosure Protection (IP Rating)	IPX2	
	Length	185mm	213mm
	Width	120mm (B) / 125mm (BU)	
	Height (Excluding Hoses)	160mm (B) / 315mm (BU)	
	Weight (Excluding Hoses)	4.0/4.6 kg	5.2/5.8 kg

\* 3 year warranty can be extended by a further 2 years at an additional charge. Contact Salamander Pumps on 0191 516 2002 for further information.

TECHNOLOGY INSIDE

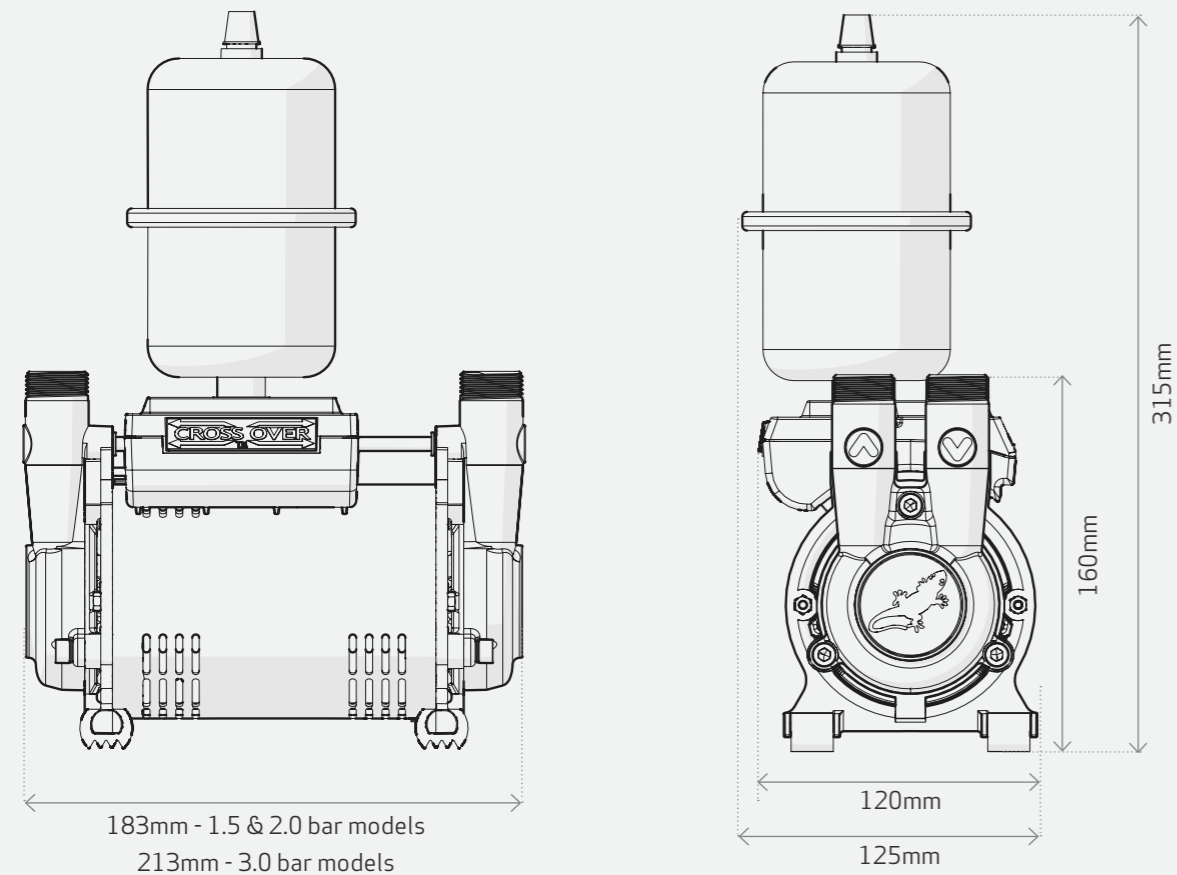


PATENTS

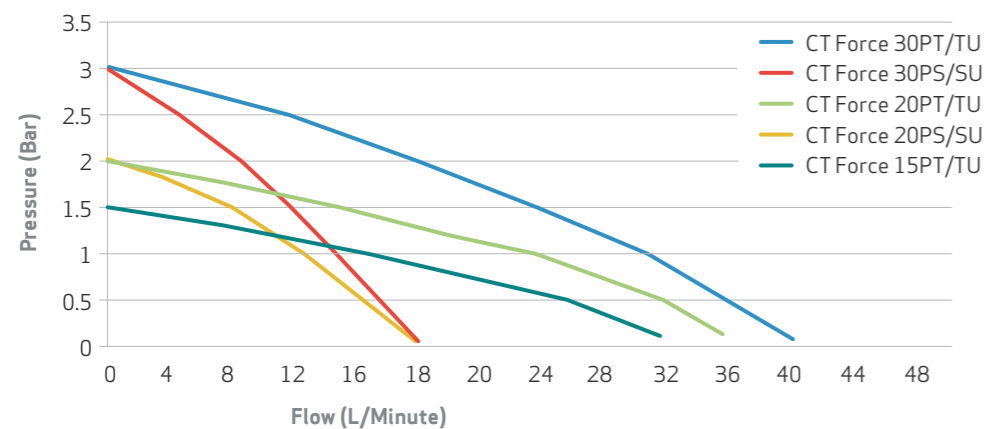
GB2465392B  
Integrated volute

TECHNICAL SPECIFICATION

DIMENSIONS



FLOW CURVES



		CT FORCE 15 PT/TU	CT FORCE 20 PT/TU	CT FORCE 30 PT/TU	CT FORCE 20 PS/SU	CT FORCE 30 PS/SU
<b>General</b>	Guarantee	5 years				
	WRAS approval	1210047				
<b>Features</b>	Pump Type	Regenerative				
	Mechanical seal	Nitrile / Carbon / Ceramic				
	Anti-vibration feet	•	•	•	•	•
	Inlet Isolator(s) - only on '+' models	•	•	•	•	•
	Flexible Hoses	4	4	4	2	2
	<b>Performance</b>	Pressure @ 16lpm (8lpm for singles)	1.1 Bar	1.5 Bar	2.2 Bar	1.5 Bar
Pressure @ 8lpm (4lpm for singles)		1.3 Bar	1.8 Bar	2.6 Bar	1.8 Bar	2.6 Bar
Pressure @ Closed Head		1.5 Bar	2.0 Bar	3.0 Bar	2.0 Bar	3.0 Bar
Maximum Water Temperature		60°C				
<b>Connections</b>	Pressure Vessel Air Pre-Charge	22 psi	28 psi	32 psi	28 psi	32 psi
	Pump connections	3/4" BSP				
<b>Flexible hoses</b>	Connections (UK Model)	3/4" Female x 22mm Push-Fit x 280mm long, isolating valves on all hoses				
	Connections (ROI Model)	3/4" Female x 21mm Push-Fit x 280mm long, isolating valves on all hoses				
<b>Motor</b>	Type	A.C Induction Motor				
	Duty Rating	Continuously Rated				
<b>Electrical</b>	Power supply	230 V				
	Current (full load)	2.0 Amps	2.2 Amps	2.9 Amps	1.3 Amps	1.9 Amps
	Power consumption	457 Watts	531 Watts	690 Watts	304 Watts	410 Watts
	Fuse rating	3 Amps				
	Power cable (pre-wired)	1.5 metres				
<b>Physical</b>	Enclosure Protection (IP Rating)	IPX2				
	Length	180mm	210mm	183mm	213mm	
	Width	120mm (PT/PS) / 125mm (TU/SU)				
	Height (Excluding Hoses)	160mm (PT/PS) / 315mm (TU/SU)				
	Weight (Excluding Hoses)	5.0/5.5 kg	5.0/5.6 kg	6.2/6.8 kg	4.3/5.0 kg	5.6/6.2 kg

TECHNOLOGY INSIDE



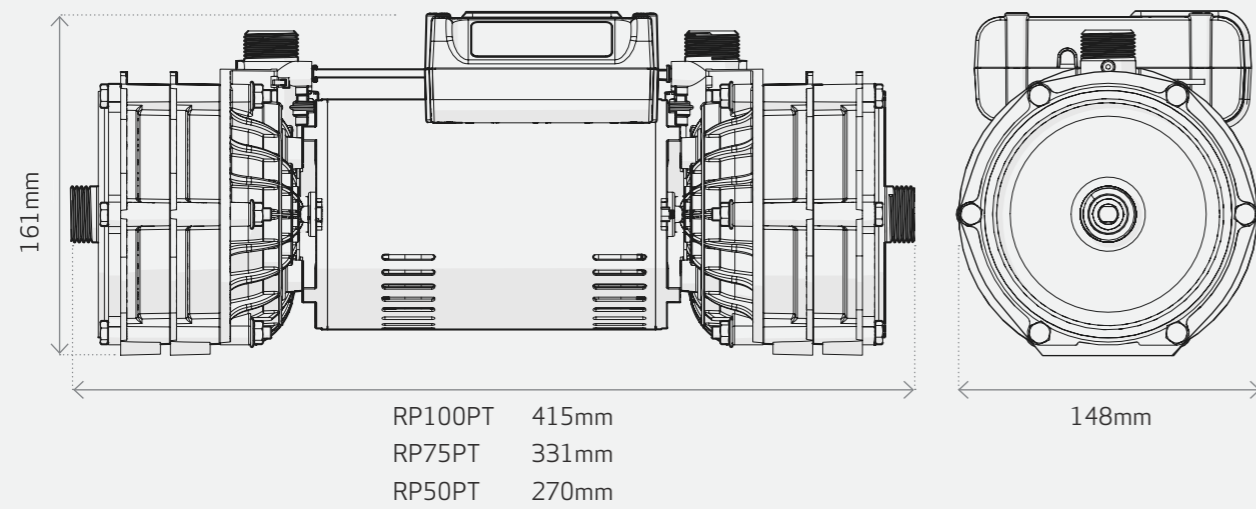
PATENTS

GB2402444B  
ALWS/Dry run

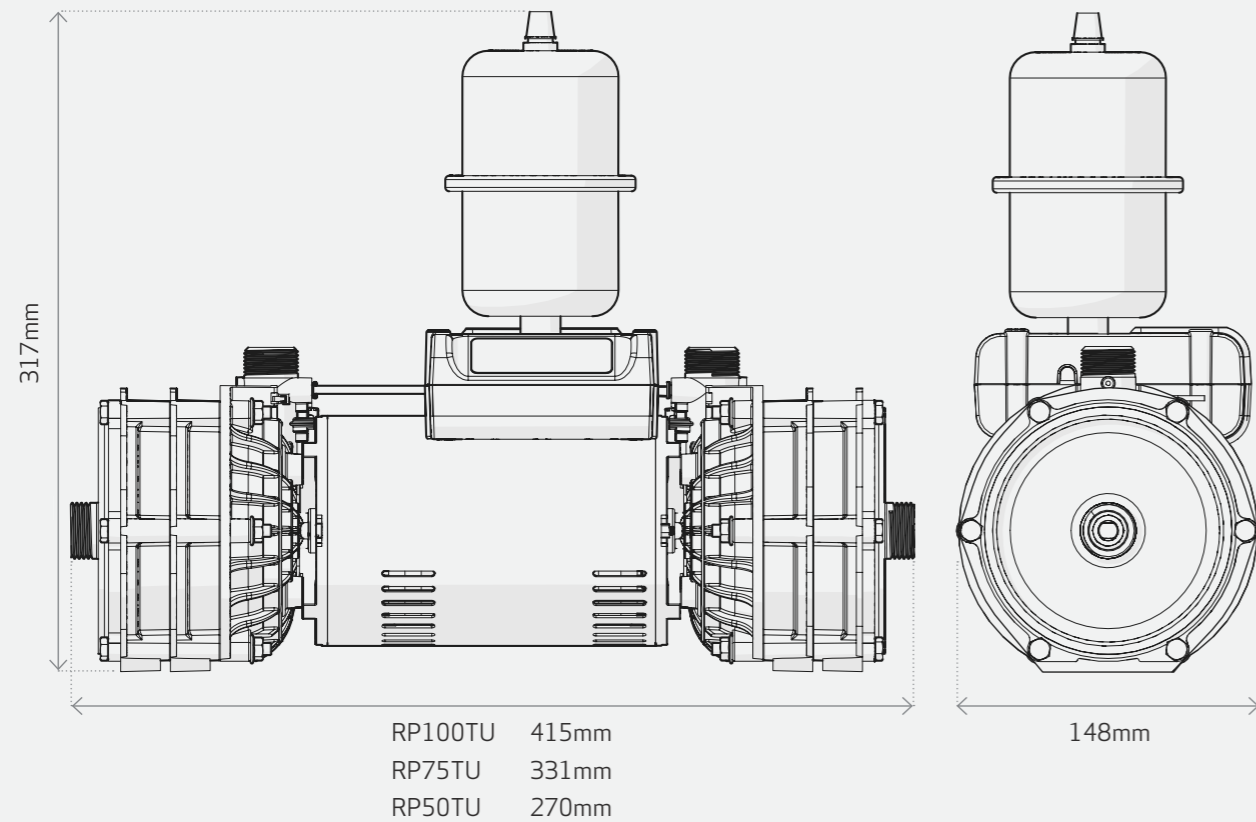
\* only applies to the twin universal models.

DIMENSIONS

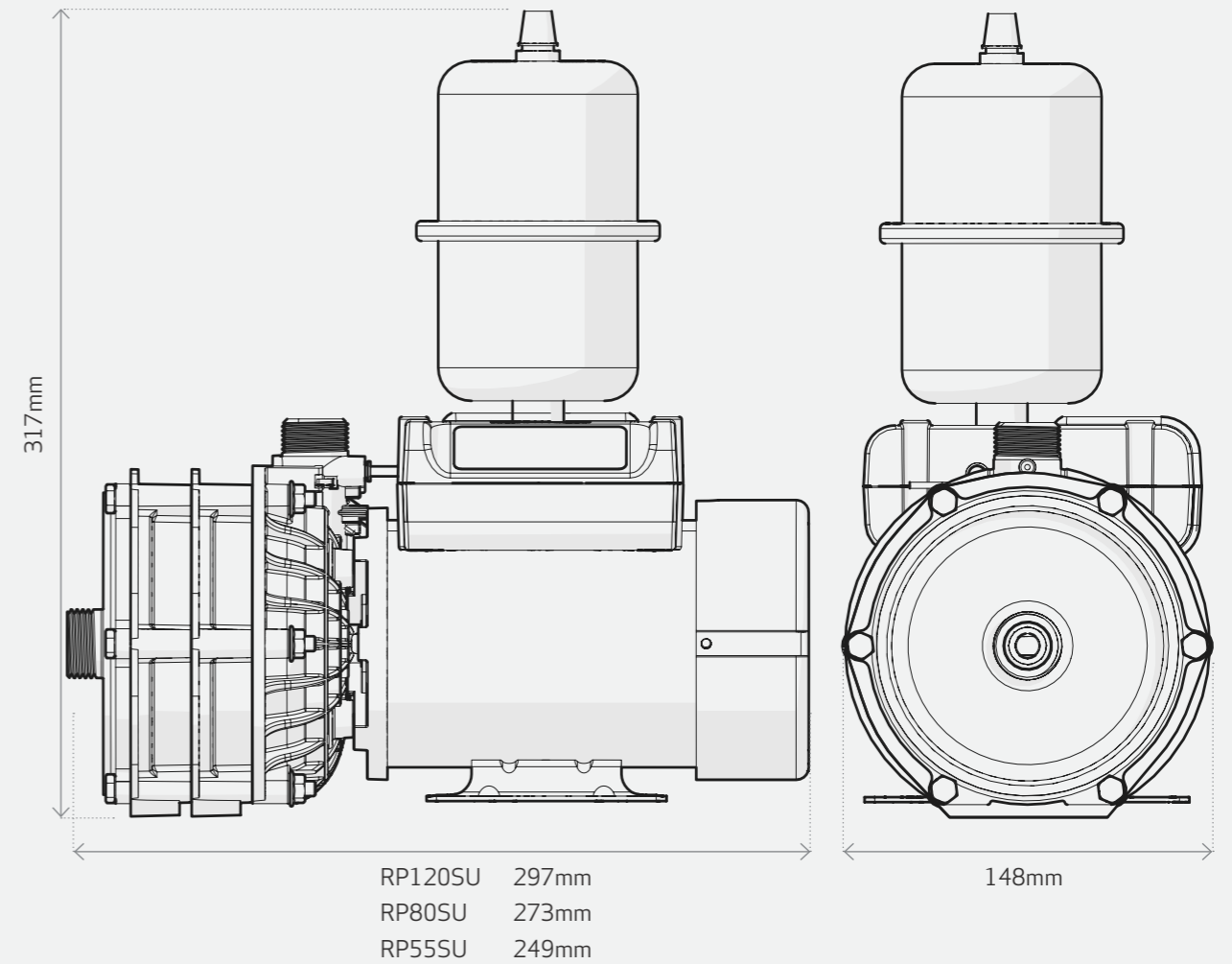
TWIN ENDED POSITIVE HEAD



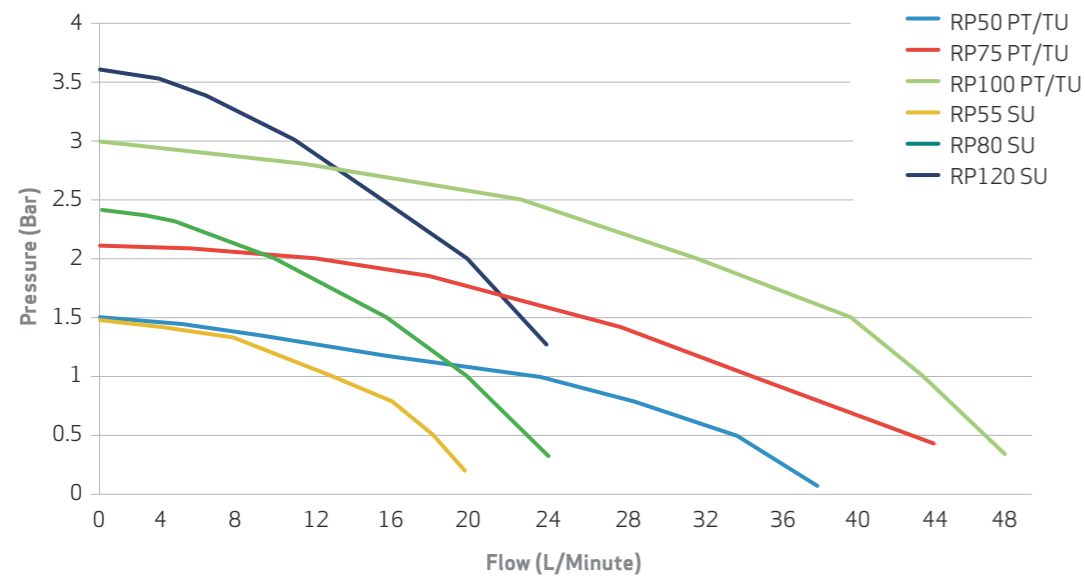
TWIN ENDED UNIVERSAL



SINGLE ENDED UNIVERSAL



**FLOW CURVES**



**RIGHT PUMP UNIVERSAL - ELECTRONIC SYSTEM PROTECTION**

The Right Pump universal range of pumps contain electronic protection which is designed to protect the pump by responding to unexpected or unforeseen conditions.

The electronic system protection senses when:

- The hot water supply is too hot (temperatures in excess of 60°)
- The pump has air in it
- The pump is being starved of water

If any of these occur the pump will switch off to protect itself and an LED light will appear showing what the problem is:

**HUNTING PROTECTION**

*Flashing:* Detecting a potential dripping tap or slow system leak.  
*Steady:* Drip or system leak found.

**DRY RUN PROTECTION**

*Flashing:* Detecting aeration or water starvation in pump chambers.  
*Steady:* Aeration or water starvation found.

**EXCESSIVE TEMPERATURE**

*Steady:* Water is too hot.



**TECHNICAL SPECIFICATION**

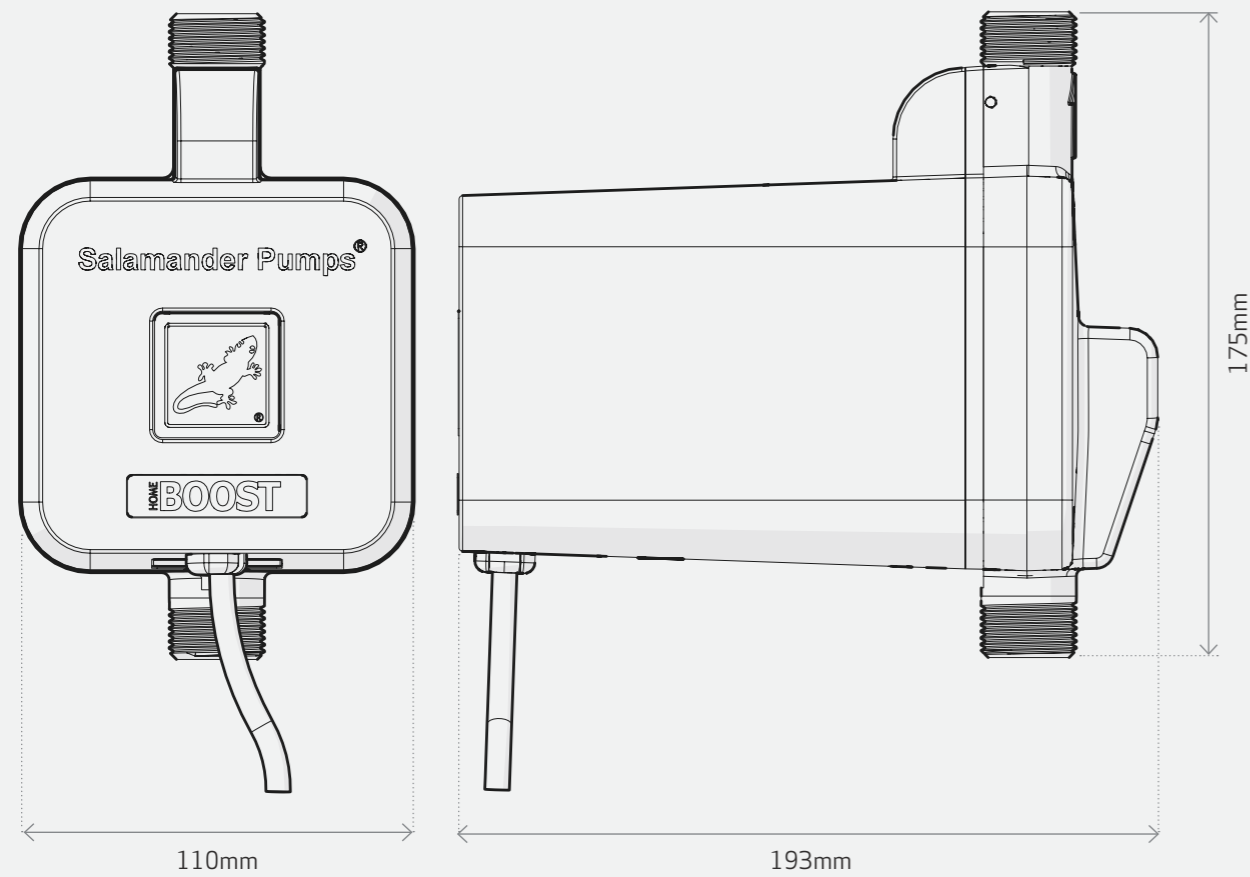
		RP50 PT/TU	RP75 PT/TU	RP100 PT/TU	RP55 SU	RP80 SU	RP120 SU
<b>General</b>	Guarantee	3 years*					
<b>Features</b>	Pump Type	Centrifugal					
	Mechanical seal	Nitrile / Carbon / Ceramic					
	Inlet Isolator(s)	•	•	•	•	•	•
	Flexible Hoses	4	4	4	2	2	2
<b>Performance</b>	Pressure @ 16lpm	1.2 Bar	1.9 Bar	2.7 Bar	1.3 Bar	2.1 Bar	3.2 Bar
	Pressure @ 8lpm	1.4 Bar	2.1 Bar	2.9 Bar	1.4 Bar	2.3 Bar	3.4 Bar
	Pressure @ Closed Head	1.5 Bar	2.2 Bar	3.0 Bar	1.5 Bar	2.4 Bar	3.6 Bar
	Maximum Water Temperature	60°C					
<b>Connections</b>	Pump connections	3/4" BSP					
<b>Flexible hoses</b>	Connections (UK Model)	3/4" Female x 22mm Push-Fit (15mm on RP50PT) x 280mm long, isolating valves on all hoses					
	Connections (ROI Model)	3/4" Female x 21mm Push-Fit x 280mm long, isolating valves on all hoses					
<b>Motor</b>	Type	A.C Induction Motor					
	Duty Rating	Continuously Rated					
<b>Electrical</b>	Power supply	230 V					
	Current (full load)	1.4 Amps	2.7 Amps	4.6 Amps	1.1 Amps	1.8 Amps	2.4 Amps
	Power consumption	325 Watts	630 Watts	1045 Watts	245 Watts	400 Watts	565 Watts
	Fuse rating	3 Amps	5 Amps		3 Amps		
	Power cable (pre-wired)	1.5 metres					
<b>Physical</b>	Enclosure Protection (IP Rating)	IPX2					
	Length	270mm	331mm	415mm	249mm	273mm	297mm
	Width	148mm					
	Height (Excluding Hoses)	161mm (PT) / 317mm (SU/TU)					
	Weight (Excluding Hoses)	4.8/5.6 kg	6.0/6.7 kg	9.1/9.9kg	6.4 kg	6.7 kg	7.0 kg

\* 3 year warranty can be extended by a further 2 years at an additional charge. Contact Salamander Pumps on 0191 516 2002 for further information.

TECHNOLOGY INSIDE



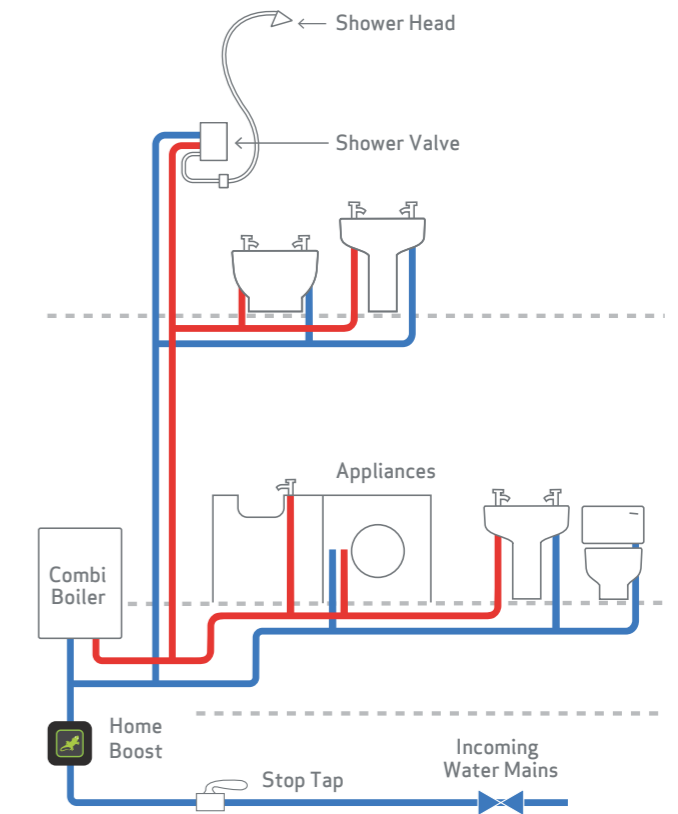
DIMENSIONS



TECHNICAL SPECIFICATION

		HomeBoost
<b>General</b>	Guarantee	3 years
<b>Features</b>	Pump Type	Mains booster pump
<b>Performance</b>	Up to 12 litres per minute	
<b>Motor</b>	Type	Brushless
	Duty Rating	Continuously rated
<b>Electrical</b>	Power supply	230 V
	Current (full load)	1.8 Amps
	Power consumption	Variable
	Fuse rating	3 Amps
<b>Physical</b>	Power cable (pre-wired)	1.5 metres
	Enclosure Protection (IP Rating)	IPX4
	Length	193mm
	Width	110mm
	Height	175mm
	Weight	3.1 kg

INSTALLATION DIAGRAM



# ADDED BENEFITS

## FOR OUR INSTALLERS

### PUMPWISE

We're here to help before, during and after installation. Support is available via our tech desk where our technically trained staff can help you decide which pump you need, help you with a tricky installation, register your pump for extended warranties and fix most pump issues over the phone.

You can call us Monday - Thursday, 8.00 -17.30 and 8.00-17.00 on a Friday, there's Live Chat on the website and you can email us if it's out of hours.

So if you have any questions or queries about our pumps call us on 0191 516 2002 or email [tech@salamanderpumps.co.uk](mailto:tech@salamanderpumps.co.uk).

### LOYALTY SCHEME

Join our installer hub and register every pump you install to earn points towards vouchers for your favourite shops including Amazon, iTunes, Marks and Spencer and Love2Shop.

Points range between 10 to 40 points for each pump depending on the model:  
50 points = £25 voucher  
100 points = £50 voucher  
150 points = £100 voucher

### PLUMBER'S NETWORK

Householders often ask us for details of installers to fit one of our pumps.

Register to join our installer hub and as a member of our network your details will be added onto our installer map on our website, where householders can search by postcode for installers in their area. Simply register and complete two short training modules.

See the map at [salamanderpumps.co.uk/wheretobuy](http://salamanderpumps.co.uk/wheretobuy)

Join the Installer hub at: [www.salamanderpumps.co.uk/hub](http://www.salamanderpumps.co.uk/hub)

### TRAINING & EVENTS

We offer dedicated training for installers, merchants, showroom staff and colleges. We have two specially designed training modules available through our Installer Hub on the website or our Training Manager can deliver training on request.

We also run events every month across the UK, to demonstrate pumps and give help and advice on all the pumps in our range.

See event dates at [salamanderpumps.co.uk/events](http://salamanderpumps.co.uk/events)

Points table:

10	CT Xtra
20	CT Bathroom
25	Right Pump (positive twin impellers)
30	CT Force (positive head) HomeBoost
40	CT Force (universal) Right Pump (universal twin and single impellers)

# Compare our entire pump range

LIFT THIS FLAP TO VIEW  
OUR COMPARISON TABLE



# 48 | PUMP SELECTOR



CT Xtra								CT BATHROOM				CT FORCE								RIGHT PUMP										
SINGLE				TWIN				TWIN				SINGLE				TWIN				TWIN			SINGLE			TWIN				
CT55	CT55+	CT85	CT85+	CT150	CT150+	CT175	CT175+	CT60B	CT60BU	CT80B	CT80BU	CT20PS	CT20SU	CT30PS	CT30SU	CT15PT	CT15TU	CT20PT	CT20TU	CT30PT	CT30TU	RP50PT	RP75PT	RP100PT	RP55SU	RP80SU	RP120SU	RP50TU	RP75TU	RP100TU
REGENERATIVE PUMPS FOR GRAVITY FED INSTALLATION																				CENTRIFUGAL PUMPS FOR GRAVITY FED INSTALLATION						MAINS WATER PUMP				

## PERFORMANCE

Bar Rating Closed Head	1.5	1.5	2.2	2.2	1.5	1.5	2.0	2.0	1.8	1.8	2.6	2.6	2.0	2.0	3.0	3.0	1.5	1.5	2.0	2.0	3.0	3.0	1.5	2.2	3.0	1.5	2.4	3.6	1.5	2.2	3.0
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## PUMP

Positive Head	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Universal/Negative Head										•			•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

## FUNCTION

SHOWER ONLY				•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
WHOLE HOUSE								•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Individual Taps / Outlets	•	•	•	•				•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Combi Boiler												•	•	•	•											•	•	•
Instant Electric Shower*									•			•	•	•	•								•	•	•	•	•	•
Washing Machine / Dishwasher									•			•	•	•	•								•	•	•	•	•	•
Conventional Shower				•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Victorian Can Shower Head										•	•												•	•	•			
Multi Function Shower									•			•	•	•	•								•	•	•	•	•	•
Body Jets (4 max)											•															•	•	•
Toilets	•	•	•	•				•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Washbasins	•	•	•	•				•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

## CONNECTION SIZE / TYPE

HOSE	Pushfit (mm)	15								15				22				22				15			22			22		
ISOLATORS	Inlet	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Outlet									•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

## WARRANTY

As standard*	3 years								3 years				5 years								3 years								3 years	
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\*Twin pumps are not suitable for electric shower only application.

If supplying a mixer shower/tap with cold mains water, a single ended, negative head pump, that matches the mains pressure as close as possible should be used for the gravity hot water.

Please note - some positive, single ended pumps may need to be converted to negative head in certain installations. For advice please call Pumpwise on 0191 516 2002.

Get in touch, we're here to help  
call us on 0191 516 2002

Unit 2c Colima Avenue  
Enterprise Park West  
Sunderland, SR5 3XE



[salamanderpumps.co.uk](http://salamanderpumps.co.uk)



Salamander Pumped Shower System Ltd is part of The Davidson Holdings Group