

# GravityBooster RANGE



A range of gravity fed pumps to boost water pressure, improving the water performance to the shower, bathroom or whole house.





## Contents

Range Explained	4
Gravity Fed: Choosing the Right Pump	5
<b>Pump Ranges</b>	<b>8</b>
TapBoost	10
CT Xtra	12
CT Bathroom	14
CT Force	16
Right Pumps	20
Pump Comparison	24
Technical Specification	26
AquaScan	40
Accessories	42
Catalytic Water Conditioners	44
Pump Noise	46
Installation Diagrams	48
Customer Experience	50

# Range Explained

Whether you need to power just one shower or the whole house, there is a pump in our GravityBooster range to help.

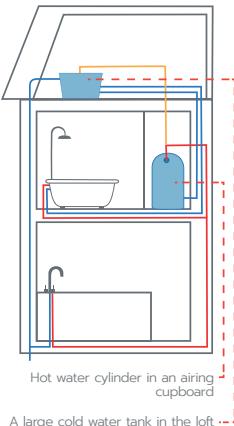
The pumps in the GravityBooster range are exclusively designed for gravity fed systems. Gravity fed systems are common in older properties and are renowned for poor pressure.

A gravity-fed system is identified by a cold-water storage tank, usually stored in a loft, and a hot water cylinder, found in the airing cupboard.

These systems rely on gravity to move water around the system, with the height of the cold-water storage tank determining the pressure throughout the system.

We use cutting-edge technology to design and manufacture the GravityBooster range, making them some of the quietest, most reliable and compact pumps on the market.

If you want to boost a tap or single outlet TapBoost is suitable for a mains or gravity fed system, see page 10 for further information.



We also manufacture a range of products for mains-fed systems, including combination boilers and unvented systems.

Visit [www.salamanderpumps.co.uk/mainsbooster](http://www.salamanderpumps.co.uk/mainsbooster) to view the range and learn more.

## Gravity fed: Choosing the right pump

### 1. Hot and/or cold water (single or twin)



#### Single - Hot OR cold water

In cases where either the hot or cold water is to be boosted, a single pump can be connected to either the hot or cold water supply.



#### Twin - Hot AND cold water

In cases where both hot and cold water are to be boosted a twin pump is needed. Twin pumps have impellers at each end of the pump, one side for hot water and the other side for cold water.

### 2. System type (positive or negative head)



**Universal (negative head)**  
pumps will pressurise the pipework between the pump and the outlet.

A gravity fed system is either positive or negative head, our range includes positive head pumps that are suitable for a positive head system and universal (negative head) pumps that are suitable for positive or negative head systems.



#### Positive head pumps

require a minimum flow of water to pass through the pump and out of the pumped outlet, such as a shower or tap, naturally (without assistance). The natural flow of water through the pump lifts the flow switches and activates the pump.

The minimum flow rate required for our positive head pumps is 1 litre of water in 30 seconds per side of the pump.

When a tap or shower is turned on, a sensor in the pump recognises the drop in pressure and activates the pump. A negative head pump may be required in systems with restrictive outlets, such as showers with body jets, electric showers or where mains fed cold water meets gravity fed hot water.

Because of how universal pumps operate, they are suitable for a positive or negative head gravity fed system. So, if you're not sure, choose a universal (negative head) pump.

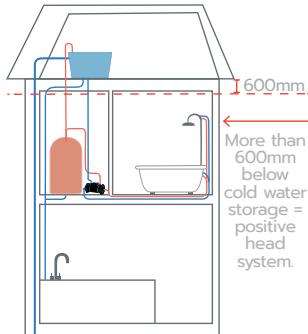


You can carry out the following test to determine if a positive head pump is suitable for the system.

You will need to test all outlets, such as showers and taps, that are going to be pumped to determine if they have the required minimum flow rate.

#### For showers and mixed hot and cold taps:

1. Turn the water to fully hot.
2. Time how long it takes to get 1 litre of water, if it takes less than 30 seconds then it is positive head.
3. Repeat the process for fully cold – both hot and cold must get 1 litre of water in less than 30 seconds for the system to be suitable for a positive head pump.
4. For showers, you also need to get 2 litres of mixed water (hot and cold together) in 30 seconds.

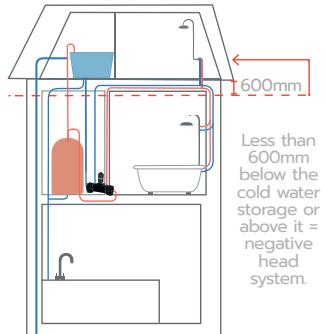


#### For hot or cold outlets, such as a hot or cold tap:

Time how long it takes to get 1 litre of water, if it takes less than 30 seconds then it is positive head.

If you cannot measure the flow rate, you can determine if the system is suitable for a positive head pump by checking that there is more than 600mm between the base of the cold-water storage tank and the highest point in the system after the pump.

The illustrations below show installations with pipework above and below dotted line indicating the 600mm point.



If you are unable to achieve the minimum flow rate of 1 litre per 30 seconds from all outlets that are to be pumped you need to install a universal/negative head pump.

#### 3. How many outlets do you want to pump to?

Whether you want to pump the outlets across the whole house, a bathroom or just one shower or tap, our range has a product to help.

The grid shown on pages 24-25 shows the maximum number of outlets each pump can be used for.

#### 4. What outlets do you want to pump to?

It's important to choose a pump that is suitable for the outlet, for example a CT50 Xtra is only suitable for improving the water pressure to a single thermostatic mixer shower, other applications may damage the pump and will invalidate the warranty.

The grid shown on pages 24-25 shows the type of outlet each of the pumps are suitable for.



#### How to measure the flow rate.



Scan the QR code to watch our supporting video.

#### The difference between a positive and negative head pump.



Scan the QR code to watch our supporting video.

# Pump Ranges

The GravityBooster range from Salamander Pumps offers a range of pumps to boost water performance in a gravity fed installation.

## What do you want to boost?

Many homes have a gravity fed system which are renowned for poor water pressure and flow. A shower pump is often needed to boost water performance.

## Product Selection Support

Scan the QR code to visit our online product selector.



## COMPATIBILITY KEY



### Shower

Suitable for boosting the water pressure to a shower.



### Bathroom

Suitable for boosting the water pressure to the bathroom.



### Taps

Suitable for boosting the water pressure to taps.



### Whole House

Suitable for boosting the water pressure to the whole house.

**Shower or individual outlet (1 outlet)**  
Improve the performance to one shower or tap.

**Bathroom (up to 4 outlets)**  
Increase performance to multiple outlets in a bathroom.

**Whole House (up to 6 outlets)**  
Boost the water pressure throughout the entire home.

**Whole House (up to 8 outlets)**  
Boost the water pressure throughout the entire home.

Key Features	Warranty	Compatibility	Specification
<b>CT XTRA</b> 	3 years	 	   
<b>CT BATHROOM</b> 	3 years	  	  
<b>CT FORCE</b> 	5 years	  	  
<b>RIGHT PUMP</b> 	3 years	  	  

PAGE 12

PAGE 14

PAGE 16

PAGE 20

# TapBoost

7-11l  
per min\*

TapBoost provides an easy to install, quiet, cost-effective solution when a tap, toilet, dishwasher or washing machine suffers with poor water flow.

## Fittings and accessories available

For quick and easy installation, fittings and accessories are available to purchase separately. See page 43.

2 year warranty



34.2dBA

\*Varies depending on incoming flow.

## TapBoost Single Outlet Booster Pump

Suitable for positive head, gravity fed and mains fed systems, TapBoost will boost the water flow to a single outlet to 7 - 11 litres depending on the incoming flow.



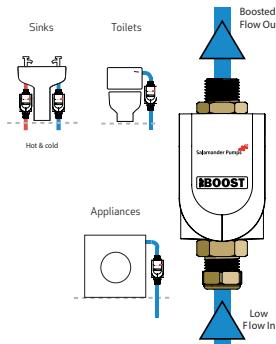
PUMP	BAR	dBA	Max outlets
TBS15	0.5	34.2	1

## SUITABLE FOR:



## SPECIFICATION:

## INSTALLATION



# CT Xtra

CT Xtra is our best selling shower pump range and probably the biggest selling range of shower pumps in the UK. Ideal for boosting water pressure to a single outlet, with twin pumps for a thermostatic shower and single pumps for an individual outlet.

## The hard working, affordable pump

Compact in size, quiet in operation and containing patented technology this range of pumps are some of the quietest plastic, regenerative pumps on the market.

## Patented technology

Our innovative product designs are protected by patents, making them unique in the world of shower pumps.

3 year warranty



## CT Xtra Single Ended, Positive

Boost either the hot or cold water pressure to an individual hot or cold pillar tap.

Please note, in systems where gravity fed hot water meets mains fed cold water a universal pump should be used.

PUMP	BAR	dBa	Max outlets
CT55 Xtra	1.5	44.5	1
CT85 Xtra	2.2	52	1

### SUITABLE FOR:



### SPECIFICATION:



## CT Xtra Twin Ended, Positive

Suitable for boosting both the hot and cold water pressure to a single thermostatic shower, CT Xtra are hard-working and affordable shower pumps.

PUMP	BAR	dBa	Max outlets
CT50 Xtra	1.5	52.5	1
CT75 Xtra	2.0	53.5	1

### SUITABLE FOR:



### SPECIFICATION:



# CT Bathroom

Specifically designed to meet the increased demands for water supply within an en-suite, bathroom or utility room.

## Crossover™ technology

An innovative bypass that allows a twin pump to operate one-sided if either hot or cold water is used individually, such as when running only a hot tap, without damage being caused to the side of the pump not in use.

## 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.

## 3 year warranty



## CT Bathroom Twin Ended, Positive

The CT Bathroom twin ended, positive range will efficiently boost the hot and cold water pressure to the outlets within a bathroom, including showers, baths, and basins. The 2.6 bar variants are also suitable for drench shower heads.



PUMP	BAR	dBA	Max outlets
CT60B	1.8	53.5	2
CT80B	2.6	57.5	4

### SUITABLE FOR:



SHOWER    TAPS    BATHROOM

### SPECIFICATION:



WHOLE HOUSE    POSITIVE HEAD    NEGATIVE HEAD    SINGLE HOT OR COLD    TWIN HOT & COLD

## CT Bathroom Twin Ended, Universal (Negative Head)

Boost both the hot and/or cold water pressure with the CT Bathroom twin ended, universal (negative head) pumps. Designed specifically to improve the water pressure in bathrooms including showers, baths, and basins, with the 2.6 bar variants also suitable for drench shower heads.



PUMP	BAR	dBA	Max outlets
CT60BU	1.8	53.5	2
CT80BU	2.6	57.5	4

### SUITABLE FOR:



SHOWER    TAPS    BATHROOM

### SPECIFICATION:



WHOLE HOUSE    POSITIVE HEAD    NEGATIVE HEAD    SINGLE HOT OR COLD    TWIN HOT & COLD



## 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 makes this range compact, powerful and robust.



### CT Force 15PT/15TU are the quietest twin ended brass pumps

Independently tested to be 48dBA, the CT Force 15PT/15TU are the quietest twin ended brass pumps on the market.\*

### Robust and durable

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

### Patented technology

Our innovative product designs are protected by patents, making them unique in the world of shower pumps.

### 5 year warranty

\* Independently tested, contact us for details.



## CT Force

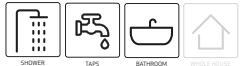
### Single Ended, Positive

Robust, brass, regenerative, these pumps will efficiently boost the hot or cold water pressure across up to 4 outlets.

Please note, in systems where gravity fed hot water meets mains fed cold water a universal pump should be used.

PUMP	BAR	dBA	Max outlets
CT Force 20PS	2.0	49	4
CT Force 30PS	3.0	42	4

#### SUITABLE FOR:



#### SPECIFICATION:



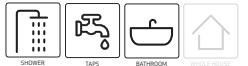
## CT Force

### Single Ended, Universal (Negative Head)

Ideal for delivering a boost to the hot or cold water pressure. These brass pumps are robust and reliable, backed up by a 5 year warranty. This range is compatible with showers, mixer taps, and pillar taps, with the 3.0 bar variant also suitable for drench shower heads and body jets (4 max).

PUMP	BAR	dBA	Max outlets
CT Force 20SU	2.0	49	4
CT Force 30SU	3.0	42	4

#### SUITABLE FOR:



#### SPECIFICATION:



## CT Force

### Twin Ended, Positive

Designed with robust brass ends and impellers, this range is reliable and hard-working. Suitable for increasing the hot and cold water pressure to showers, mixer taps, and pillar taps, with the 2.0 and 3.0 bar variants also suitable for drench shower heads.

PUMP	BAR	dBA	Max outlets
CT Force 15PT*	1.5	48	4
CT Force 20 PT	2.0	54	6
CT Force 30 PT	3.0	52.5	6

#### SUITABLE FOR:



#### SPECIFICATION:



\*CT Force 15PT/TU not suitable for whole house applications.

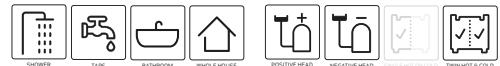
## CT Force

### Twin Ended, Universal (Negative Head)

With brass ends and impellers, these pumps are powerful and reliable, backed up by a 5 year warranty. These pumps are suitable for improving the hot and cold water pressure to showers, mixer taps and pillar taps, with the 2.0 and 3.0 bar variants compatible with drench shower heads and the 3.0 bar model will boost the water to up to 4 body jets.

PUMP	BAR	dBA	Max outlets
CT Force 15TU*	1.5	48	4
CT Force 20TU	2.0	54	6
CT Force 30TU	3.0	52.5	6

#### SUITABLE FOR:



#### SPECIFICATION:



\*CT Force 15PT/TU not suitable for whole house applications.

## Right Pump

Right pumps form our premium product range, offering the most powerful performance and a power shower pump solution. This is the pump of choice for boosting the whole house, with a solution for boosting up to 8 outlets providing a powerful boost to water performance.



### Powerful and quiet

Using centrifugal technology, they are very quiet and are more flow efficient than regenerative pumps.

3 year warranty



## Right Pump

### Single Ended, Universal (Negative Head)

High quality, powerful and quiet, Right Pumps offer the ultimate performance and will deliver improved hot or cold water pressure to showers, mixer taps, and pillar taps, with the 3.0 bar variant also suitable for drench shower heads and up to 4 body jets.

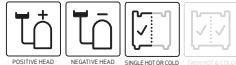
PUMP	BAR	dBA	Max outlets
RP55SU*	1.5	49.5	4
RP80SU	2.4	52.0	8
RP120SU	3.6	51.5	8



#### SUITABLE FOR:



#### SPECIFICATION:



\*RP55SU not suitable for whole house applications.

## Right Pump

### Twin Ended, Universal (Negative Head)

Designed to utilise centrifugal force to quietly and efficiently increase hot and cold water pressure, to deliver the ultimate performance. These pumps will boost water supplies to taps and showers. The 2.0 and 3.0 bar variants are compatible with drench shower heads, and the 3.0 bar model will boost up to 4 body jets.

PUMP	BAR	dBA	Max outlets
RP50TU*	1.5	45.5	4
RP75TU	2.0	50.2	8
RP100TU	3.0	55.5	8



#### SUITABLE FOR:



#### SPECIFICATION:



\*RP50TU not suitable for whole house applications.

## Right Pump

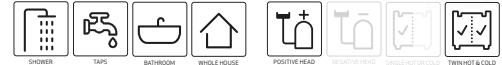
### Twin Ended, Positive

Delivering the ultimate water boosting performance. Suitable for whole house applications. Right Pump twin ended, positive pumps will deliver increased water pressure across the whole house, with the 2.0 and 3.0 bar variants suitable for up to 8 outlets.

PUMP	BAR	dBA	Max outlets
RP50PT*	1.5	45.5	4
RP75PT	2.0	50.2	8
RP100PT	3.0	55.5	8



#### SUITABLE FOR:



#### SPECIFICATION:



\*RP50PT not suitable for whole house applications.

## SuperBooster packs

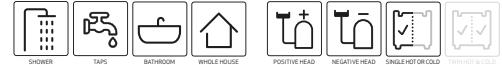
### 2x Single Ended, Universal (Negative Head)

Including two single ended, universal (negative head) pumps from our Right Pump range, SuperBooster packs can be used to 'split' a pumped installation, with one pump used to boost the cold water pressure and the other to boost the hot water pressure.

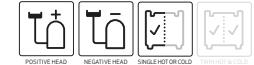
PUMP	BAR*	dBA*	Max outlets
RP80SU SB	2.4	52.0	8
RP120SU SB	3.6	51.5	8



#### SUITABLE FOR:



#### SPECIFICATION:



# Gravity Fed Pump Comparison



CT Xtra				CT Bathroom				CT Force								Ora		Right Pumps								TapBoost		
CT55	CT85	CT50	CT75	CT60B	CT80B	CT60BU	CT80BU	CTF20PS	CTF3-OPS	CTF20SU	CTF30SU	CTF15PT	CTF20PT	CTF30PT	CTF15TU	CTF20TU	CTF30TU	ORA15	ORA2.0	RP55SU	RP80SU	RP120SU	RP50PT	RP75PT	RP100PT	RP50TU	RP75TU	RP100TU
Regenerative pumps for gravity-fed installation																												

## Twin or Single

Single - boosts hot or cold water	●	●						●	●	●	●						●	●	●							●
Twin - boosts hot and cold water			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

## Pump pressure rating

Maximum pressure (Bar)	15	22	15	20	18	26	18	26	20	30	20	30	15	20	30	15	20	15	24	36	15	22	30	15	22	30	0.05
------------------------	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	------

## System type

Positive head system	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Negative head system								●	●	●			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

## Number of outlets

Shower (1 outlet)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Individual tap/outlet (1 outlet)	●	●			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Bathroom (up to 2 outlets)			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Bathroom (up to 4 outlets)					●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Whole house (up to 6 outlets)																											
Whole house (up to 8 outlets)																											

## Suitable outlets

Thermostatic mixer shower (hot and cold)			●	●		●	●	●	●																			
Thermostatic mixer shower (hot or cold)	●	●				●	●	●	●																			
Mixer tap (hot and cold)			●	●	●	●	●	●																				
Mixer tap (hot or cold)					●	●	●	●																				
Pillar taps (hot and cold)			●	●	●	●	●	●																				
Individual pillar tap (hot or cold)	●	●			●	●	●	●	●																		●	
Drench shower head						●	●	●	●																			
Body jets (4 max)							●																					

## Pump noise

dBa rating*	From 44.5dBa	From 53.5dBa																									34.2dBa
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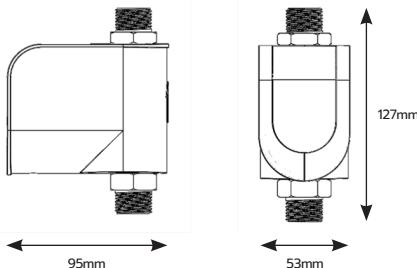
## Warranty

Duration	3 years	3 years																								2 years
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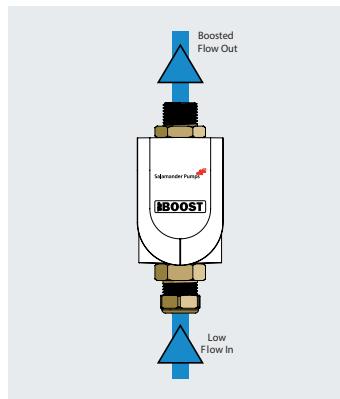
Please refer to the Installation Guide for full specification information. \*Independently tested.



## Dimensions



## Installation

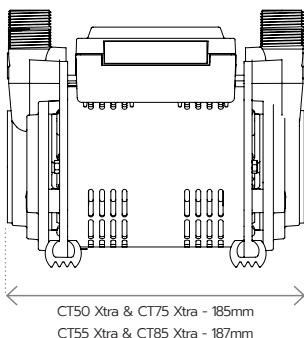


		TBS15
<b>General</b>	Guarantee	2 years
	Maximum inlet water pressure	10 Bar / 1000 kPa
	Minimum flow rate for activation	1.2 lpm
	Back flow protection	Integrated non-return valve
	Pump inlet connection	15mm compression
	Pump outlet connection	1/2" male BSP
	Pump enclosure connection	IPX4
	Pump weight	0.6Kg
	Motor duty rating	Continuous
	Boosted output flow rate	7-11 lpm (depending on incoming flow rate)
	Water temperature	4°C - 60°C
	Maximum head	5m (0.5 bar)
	Full load current	1.5A
	Maximum pump wattage	18W
	Pump dimensions (mm)	95mm(L) x 53mm(W) x 124mm(H)
<b>Power supply transformer</b>	Model number	GT-46600-6012-T2
	Electrical input	AC 100-240 Volts, 50/60Hz, 15A
	Electrical output	DC 12 Volts, 60W, 5.0A
	Mains power cable	UK 3 pin plug fitted with 3A fuse
	Transformer enclosure protection	IPX0 - must be protected from water and moisture
	Power supply weight	0.4Kg
	Power supply dimensions (mm)	145mm(L) x 52mm(W) x 34mm(H)
	ROI product code	TBS15

Actual values may vary due to tolerances.



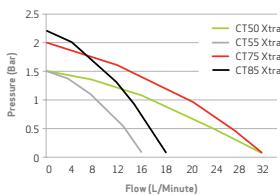
## Dimensions



CT50 Xtra &amp; CT75 Xtra - 185mm

CT55 Xtra &amp; CT85 Xtra - 187mm

## Flow Curves



## Patents

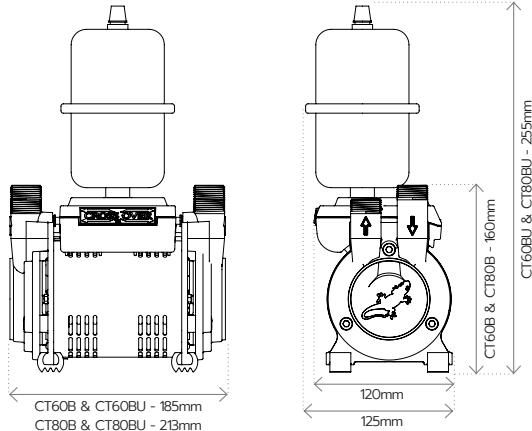
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Integrated volute

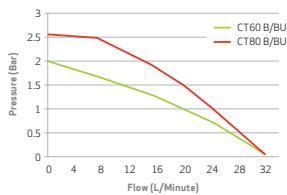
	CT50 Xtra	CT75 Xtra	CT55 Xtra	CT85 Xtra
<b>General</b>	Guarantee	3 Years		
	WRAS approval	1309001		
<b>Features</b>	Pump Type	Regenerative		
	Mechanical seal	EPDM / PTFE / Ceramic		
	Anti-vibration feet	✓	✓	✓
	Inlet Isolator(s)	✓	✓	✓
	Flexible hoses	4	4	2
<b>Performance</b>	Pressure @ 16lpm (8lpm for singles)	10 Bar	13 Bar	11 Bar
	Bar Pressure @ 8lpm (4lpm for singles)	13 Bar	17 Bar	14 Bar
	Pressure @ Closed Head	15 Bar	20 Bar	15 Bar
	Maximum Water Temperature	65°C		
	Pressure Vessel Air Pre-Charge	N/A		
<b>Connections</b>	Pump connections	3/4" BSP		
	Flexible Hoses UK Model	3/4" Female x 15mm Push-Fit x 195mm long		
	Flexible Hoses 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	230v		
	Current (full load)	197 Amps	205 Amps	126 Amps
	Power consumption	455 Watts	484 Watts	273 Watts
	Fuse Rating	3 Amps		
	Power cable (pre-wired)	15 metres		
	Enclosure Protection (IP Rating)	IPX3		
<b>Physical</b>	Length	185mm	187mm	
	Width	120mm		
	Height (Excluding Hoses)	160mm		
	Weight (Excluding Hoses)	3.9kg	3.9kg	3.8kg
	*ROI product code	CT54Xtra	CT79Xtra	CT59Xtra
				CT89Xtra



## Dimensions



## Flow Curves



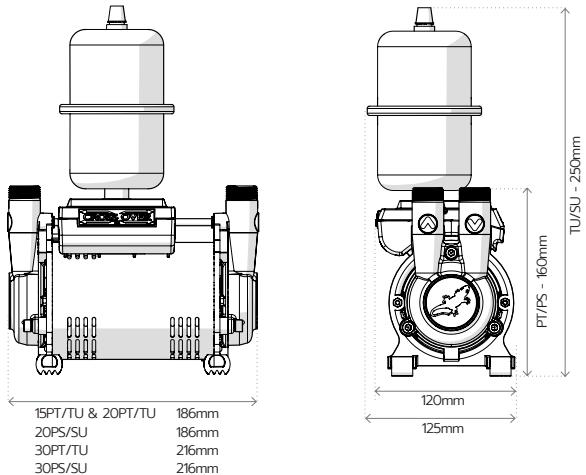
## Patents

GB2465392B  
Integrated volute

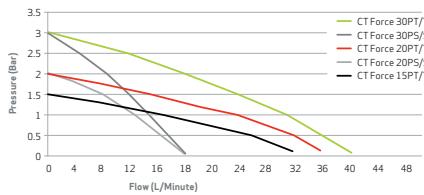
	CT Bathroom 60B/BU	CT Bathroom 80B/BU
<b>General</b>		
Guarantee	3 Years	
WRAS approval	1507004	
<b>Features</b>		
Pump Type	Regenerative	
Mechanical seal	EPDM / PTFE / Ceramic	
Anti-vibration feet	✓	✓
Inlet Isolator(s)	✓	✓
Flexible hoses	4	4
Pressure @ 16lpm (8lpm for singles)	13 Bar	16 Bar
Bar Pressure @ 8lpm (4lpm for singles)	1.7 Bar	2.3 Bar
<b>Performance</b>	Pressure @ Closed Head	1.8 Bar
	Maximum Water Temperature	65°C
	Pressure Vessel Air Pre-Charge	28 psi
<b>Connections</b>	Pump connections	3/4" BSP
	Flexible Hoses UK Model	3/4" Female x 15mm x 190mm push-fit isolating valves
	Flexible Hoses 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	230v
	Current (full load)	195 Amps
	Power consumption	455 Watts
	Fuse Rating	3 Amps
	Power cable (pre-wired)	15 metres
	Enclosure Protection (IP Rating)	IPX3
<b>Physical</b>	Length	185mm
	Width	120mm (B) / 125mm (BU)
	Height (Excluding Hoses)	160mm (B) / 255mm (BU)
	Weight (Excluding Hoses)	4.0/4.7kg
		5.2/5.7kg
*ROI product code		CT64HXtra/CT64HUXtra
		CT84HXtra/CT84HUXtra



## Dimensions



## Flow Curves

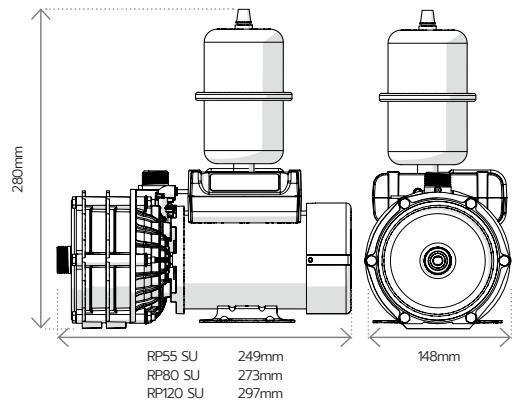


## Patents

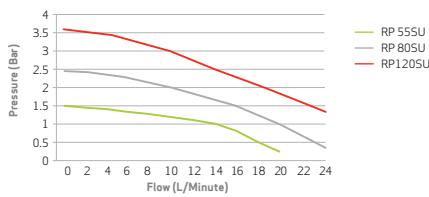
GB2465392B  
Integrated volute

	CT Force 15PT/TU	CT Force 20PT/TU	CT Force 30PT/TU	CT Force 20PS/SU	CT Force 30PS/SU
<b>General</b>	Guarantee	5 Years			
	WRAS approval	1210047			
<b>Features</b>	Pump Type	Regenerative			
	Mechanical seal	EPDM / PTFE / Ceramic			
	Anti-vibration feet	✓	✓	✓	✓
	Inlet Isolator(s)	✓	✓	✓	✓
	Flexible hoses	4	4	4	2
<b>Performance</b>	Pressure @ 16lpm (8lpm for singles)	1.1 Bar	1.5 Bar	2.2 Bar	1.5 Bar
	Bar Pressure @ 8lpm (4lpm for singles)	13 Bar	18 Bar	2.6 Bar	1.8 Bar
	Pressure @ Closed Head	15 Bar	2.0 Bar	3.0 Bar	2.0 Bar
	Maximum Water Temperature			65°C	
	Pressure Vessel Air Pre-Charge	28psi	28psi	32psi	28psi
<b>Connections</b>	Pump Connections	3/4" BSP			
	Connections (UK)	3/4" Female x 22mm Push-Fit x 280mm long, isolating valves			
	Connections (ROI)*	3/4" Female x 21mm Push-Fit x 280mm long, isolating valves			
<b>Motor</b>	Type	A.C. Induction Motor			
	Duty rating	Continuously Rated			
<b>Electrical</b>	Power Supply	230v			
	Current (full load)	195 Amps	224 Amps	29 Amps	1.25Amps
	Power Consumption	457 Watts	531 Watts	690 Watts	304 Watts
	Fuse Rating			3 Amps	
	Power Cable (pre-wired)			15 metres	
<b>Physical</b>	Enclosure Protection (IP Rating)	IPX3			
	Length	186mm	186mm	216mm	188mm
	Width			120mm(PT/PS) / 125mm (TU/SU)	
	Height (Excluding Hoses)			160mm(PT/PS) / 250mm (TU/SU)	
	Weight (Excluding Hoses)	5.0/5.7kg	5.0/5.5kg	6.3/6.8kg	4.4/5.1kg
	*ROI product code	CT Force 15PT/TU	CT Force 20PT/TU	CT Force 30PT/TU	CT Force 20PS/SU
					CT Force 30PS/SU

### Dimensions



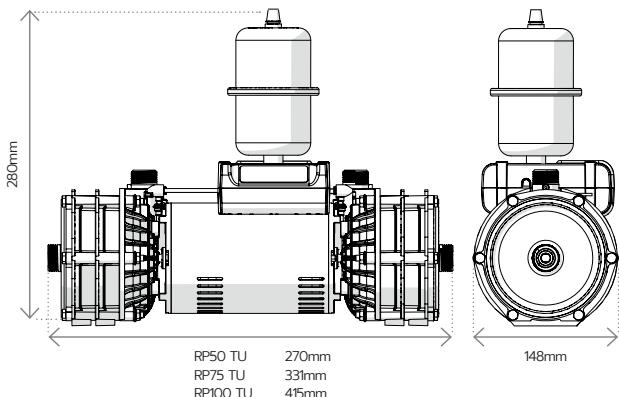
### Flow Curves



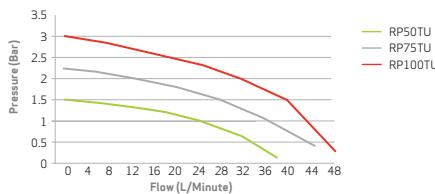
	RP55SU	RP80SU	RP120SU
<b>General</b>	Guarantee	3 Years	
	WRAS approval	1810090	
<b>Features</b>	Pump Type	Centrifugal	
	Mechanical seal	EPDM / PTFE / Ceramic	
	Anti-vibration feet	✓	✓
	Inlet Isolator(s)	✓	✓
	Flexible hoses	2	2
	Pressure @ 16lpm (8lpm for singles)	13 Bar	21 Bar
	Bar Pressure @ 8lpm (4lpm for singles)	1.4 Bar	2.3 Bar
<b>Performance</b>	Pressure @ Closed Head	15 Bar	2.4 Bar
	Maximum Water Temperature	65°C	
	Pressure Vessel Air Pre-Charge	18 psi	28 psi
<b>Connections</b>	Pump connections	3/4" BSP	
	Flexible Hoses UK Model	3/4" Female x 22 mm 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	230v	
	Current (full load)	110 Amps	175 Amps
	Power consumption	245 Watts	400 Watts
	Fuse Rating	3 Amps	3 Amps
	Power cable (pre-wired)	15 metres	
	Enclosure Protection (IP Rating)	IPX3	
<b>Physical</b>	Length	249mm	273mm
	Width	148mm	
	Height (Excluding Hoses)	250mm	
	Weight (Excluding Hoses)	6.3kg	6.7kg
		7.0kg	



## Dimensions



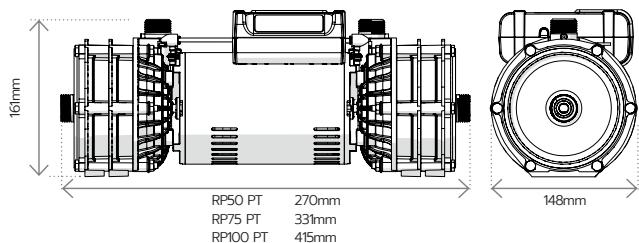
## Flow Curves



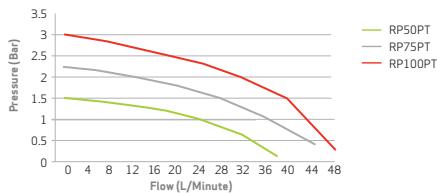
	RP50TU	RP75TU	RP100TU
<b>General</b>			
Guarantee	3 Years		
WRAS approval	1810090		
<b>Features</b>			
Pump Type	Centrifugal		
Mechanical seal	EPDM / PTFE / Ceramic		
Anti-vibration feet	✓	✓	✓
Inlet Isolator(s)	✓	✓	✓
Flexible hoses	4	4	4
Pressure @ 16lpm (8lpm for singles)	12 Bar	19 Bar	2.7 Bar
Bar Pressure @ 8lpm (4lpm for singles)	14 Bar	21 Bar	2.9 Bar
<b>Performance</b>			
Pressure @ Closed Head	15 Bar	22 Bar	3.0 Bar
Maximum Water Temperature	65°C		
Pressure Vessel Air Pre-Charge	18 psi	28 psi	32 psi
<b>Connections</b>			
Pump connections	3/4" BSP		
Flexible Hoses UK Model	3/4" Female x 22 mm 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	230v		
Current (full load)	140 Amps	270 Amps	4.60 Amps
Power consumption	325 Watts	630 Watts	1045 Watts
Fuse Rating	3 Amps	5 Amps	5 Amps
Power cable (pre-wired)	15 metres		
<b>Physical</b>			
Enclosure Protection (IP Rating)	IPX3		
Length	270mm	331mm	415mm
Width	148mm		
Height (Excluding Hoses)	280mm	280mm	280mm
Weight (Excluding Hoses)	5.66kg	7.0kg	9.8kg

## Right Pumps - Twin Ended Positive

### Dimensions



### Flow Curves



	RP50PT	RP75PT	RP100PT
<b>General</b>			
Guarantee	3 Years		
WRAS approval	1810090		
Pump Type	Centrifugal		
Mechanical seal	EPDM / PTFE / Ceramic		
<b>Features</b>			
Anti-vibration feet	✓	✓	✓
Inlet Isolator(s)	✓	✓	✓
Flexible hoses	4	4	4
Pressure @ 16lpm (8lpm for singles)	12 Bar	19 Bar	2.7 Bar
Bar Pressure @ 8lpm (4lpm for singles)	14 Bar	21 Bar	2.9 Bar
<b>Performance</b>			
Pressure @ Closed Head	15 Bar	22 Bar	3.0 Bar
Maximum Water Temperature	65°C		
Pressure Vessel Air Pre-Charge	N/A	N/A	N/A
<b>Connections</b>			
Pump connections	3/4" BSP		
Flexible Hoses UK Model	3/4" Female x 15mm Push-fit x 180mm straight 220mm angled	3/4" Female x 22 mm 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	230v		
Current (full load)	140 Amps	270 Amps	4.60 Amps
Power consumption	325 Watts	630 Watts	1045 Watts
Fuse Rating	3 Amps	5 Amps	5 Amps
Power cable (pre-wired)	15 metres		
<b>Physical</b>			
Enclosure Protection (IP Rating)	IPX3		
Length	270mm	331mm	415mm
Width		148mm	
Height (Excluding Hoses)	161mm	161mm	170mm
Weight (Excluding Hoses)	4.8kg	6.0kg	9.1kg



# AquaScan

PRECISE WATER INSIGHT

## Digital Water Multimeter.

A 4-in-1 handheld digital tool designed to precisely measure water flow, pressure, temperature, and hardness.



FLOW



PRESSURE



TEMPERATURE



HARDNESS\*



SCAN  
HERE TO  
LEARN  
MORE



With peak and live measurements, AquaScan provides installers reassurance that their live readings are accurate.

The design provides installers with precise diagnostic measurements to support specification, troubleshooting and analysis across a plumbing system.

Supplied in a robust case with a range of accessories and attachments to allow for easy connection to various outlet types, including taps, showers, pipework and hoses.

### KEY FEATURES

- Digital display allows for precise water measurement
- Brass body, rubber casing, IPX5 waterproof rating
- Hardwearing protective carry case included
- Made in the UK
- 1 year warranty



### DIMENSIONS



# Accessories

	<b>S Flange</b> CSFLAN01	Protects the pump from damage caused by air. 22mm inlet connection and 28mm adapter outlet.
	<b>Temperature Protection Blending Valve (HWS TMV)</b> ACCHWSTMV	Protects the pump when there is inadequate hot water temperature protection. Includes 22mm compression connectors.
	<b>Non Return Valve (NRV)</b> CNRVMEO1	Prevents back flow of water to the pump.
	<b>Anti-vibration Couplers</b>	Available in straight and angled, with 15mm and 22mm plastic or brass nuts. The couplers can be purchased individually or in packs of 4.
	<b>Replacement Pressure Vessel Kit</b> ACCPV1L	Suitable for the CT Bathroom Universal, CT Force Universal and Universal Right Pump models.
	<b>Anti-vibration Pump Feet</b> ACCFEET	Includes: 4 x Ora feet 4 x CT Xtra/CT Bathroom/CT Force feet 2 x Right Pump feet
	<b>O Ring Service Kits</b> SKORING01, SKORING02	Eight replacement O Rings per pack. SKORING01 - suitable for CT Xtra/ CT Bathroom/ CT Force pumps. SKORING02 - suitable for RP/ RSP/ RHP/ RGP/ ESP pumps.
	<b>Pump Mat</b> ACCPUMPMAT	Made from high density foam for noise reduction caused by vibration transmission. 250mm x 160mm. Thickness 15mm

# TapBoost Accessories

	<b>TapBoost Outlet Connector (1/2" to 15mm Compression)</b> ACCTAPB12FT15COM	Designed to connect the TapBoost 1/2" male thread outlet to 15mm pipework with ease.
	<b>TapBoost Inlet/Outlet 15mm to 22mm Converter Kit</b> ACCTAPB1522CONV	Makes it easy to connect TapBoost to 22mm pipework.
	<b>TapBoost Low Voltage Extension Lead (5m)</b> ACCTAPBLVEXT5M	The 5m TapBoost extension lead allows installation in a wider range of locations.
	<b>TapBoost Replacement Power Supply Unit</b> TBSPSU	Replacement power supply unit and mains lead suitable only for the Salamander Pumps' TapBoost.

## Salamander Shop

Scan the QR Code to visit the Salamander Shop where our accessories are available to purchase.



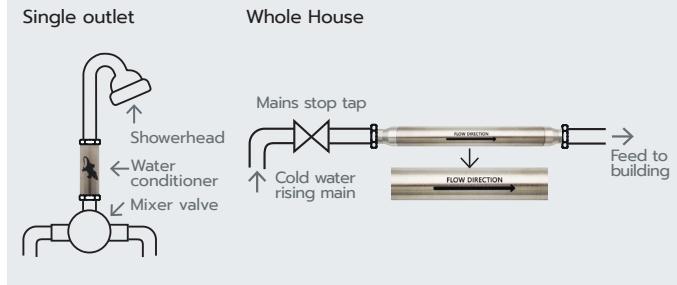
# Catalytic Water Conditioners



Salamander Pumps' Water Conditioners offer single point or whole house water supply treatment, they prevent limescale build-up, protecting your household appliances including a shower pump.

Our Catalytic Water Conditioners use an alloy core which changes the Calcium Carbonate from Calcite to Aragonite, there are no chemicals or salt in this process meaning that the water is also safe to drink.

## INSTALLATION



Code	Description	Fittings
CWCOND01	Water Conditioner Single Point 0-15L/min	N/A
CWCOND02	Water Conditioner Whole House 3-25L/min	15mm x 1/2" Female
CWCOND03	Water Conditioner Whole House 24-54L/min	22mm x 3/4" Female



# Pump Noise

When deciding which shower pump to install, noise can be an important factor to consider.

Our pumps have been independently tested against our competitor's products and so we can officially say that we have some of the quietest pumps on the market.

## Quiet Mark

CT Xtra, CT Force and Right Pumps have all been awarded the Quiet Mark in association with the Noise Abatement Society.



The Quiet Mark acoustics team scientifically test and assess high performance, low noise appliances and solutions in a range of categories. The distinctive purple mark displayed on a product gives assurance that the product is amongst the quietest currently available on the market.

All of our products have been engineered to be as quiet as possible, but it is worth mentioning that there is some noise associated with the operation of all of our products.



For further product information on noise and individual dBA ratings visit our website [www.salamanderpumps.co.uk](http://www.salamanderpumps.co.uk)

## 1.5 BAR TWIN PUMP



## 2.0 BAR TWIN PUMP

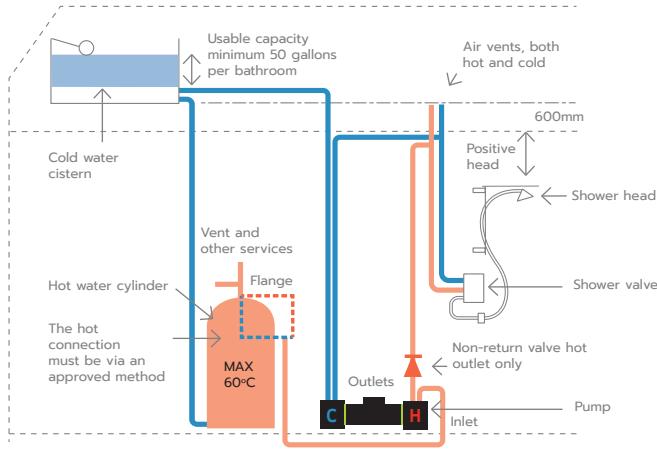


## 3.0 BAR TWIN PUMP



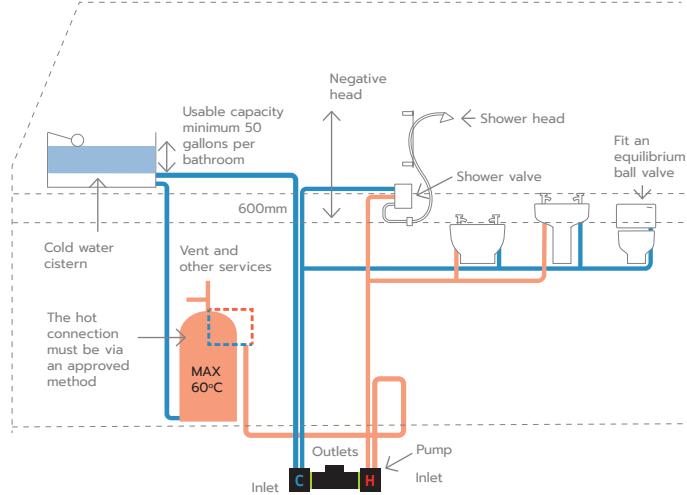
# Installation diagrams

## Positive Head System



Twin-ended, positive pump with up and over pipework and natural flow of 1 litre per 30 seconds per side.

## Negative Head System



Twin-ended, universal pump to a bathroom in a loft conversion.



# Customer Experience

At Salamander Pumps we put the customer at the centre of everything we do. Our aim is to make the selection, installation and maintenance of our products as easy as possible which is why we offer a range of ways for us to help you.

## Product Selection

Choosing the right product for the installation is crucial to ensure the longevity and smooth running of the pump, that's why we offer technical assistance and advice to ensure that you select the right product for the job.



## Website

We've created a piece of software that you can find our website ([www.salamanderpumps.co.uk/product-selector](http://www.salamanderpumps.co.uk/product-selector)) that'll ask you a few simple questions and then shows you which products would be right for you.

## Brochures

Our brochures are designed to help guide you through the decision making process to make sure you get the right product for your particular installation.



## Installation Advice

If you're faced with an installation that isn't straightforward or if you have any questions on best installation practices, we're here to help.



## On the phone

We have a team of technically trained technical advisors who can guide you over the phone.

Call us on 0191 516 2002.



## Online Chat

Our online chat facility is manned during office hours, by the same technically trained team who are answering the telephones.

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



## YouTube

Our YouTube channel has lots of videos showing practical help and a visual guide to make sure your pump is installed in a way that will give it as long a life as possible.

Visit [www.youtube.com/SalamanderPumps](http://www.youtube.com/SalamanderPumps)



## Post Installation Advice

Although our pumps are built to the highest quality and each and every one is tested before it leaves the factory, you might need to contact us after a pump has been fitted.

Sometimes we can quickly help over the telephone, but in some cases more investigation is needed, but we are here to help. If you do ever need help with a pump installed in your home, it's always better if you've registered the product with us via our website, or at the very least you have the serial number of the pump to hand.

Our website FAQ section has a lot of information on troubleshooting, including step-by-step guides to simple tests that we ask you to carry out to understand more about your pump's installation.

The warranty period for our products depends on the type of pump it is and T&Cs can be found at: [www.salamanderpumps.co.uk/terms](http://www.salamanderpumps.co.uk/terms)



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)

