

Salamander Pumps 

GravityBooster

— RANGE —



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

SMARTER WATER PERFORMANCE





Contents

| | |
|--------------------------------------|----|
| Range Explained | 4 |
| Gravity Fed: Choosing the right pump | 5 |
| Pump Ranges | 8 |
| TapBoost | 10 |
| CT Xtra | 12 |
| CT Bathroom | 14 |
| CT Force | 16 |
| Right Pumps | 20 |
| Pump Comparison | 24 |
| Technical Specification | 26 |
| Accessories | 40 |
| Water Conditioners | 42 |
| Pump Noise | 44 |
| Installation Diagrams | 46 |
| Customer Experience | 48 |



Range Explained

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

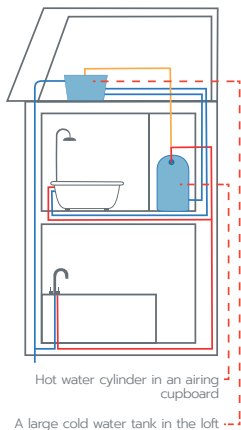
The pumps in the GravityBooster range are exclusively designed for gravity fed systems. Gravity fed systems are common in older properties and are renowned for poor pressure.

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 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)

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.



Universal (negative head)

pumps will pressurise the pipework between the pump and the outlet.



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.

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.

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

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:

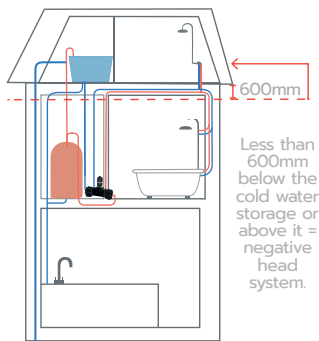
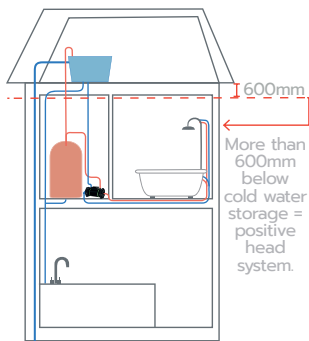
1. Turn the water to fully hot.
2. Time how long it takes to get 1 litre of water, if it takes less than 30 seconds then it is positive head.
3. Repeat the process for fully cold – both hot and cold must get 1 litre of water in less than 30 seconds for the system to be suitable for a positive head pump.
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.



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.

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.

| | Key Features | Warranty | Compatibility | Specification | |
|---|---|----------|---|---|---------|
| CT XTRA  | Compact, quiet, patented technology, with twin pumps for boosting a single shower and single pumps for an individual tap. | 3 years |   |    | PAGE 12 |
| CT BATHROOM  | Specifically designed to boost water supplies to a bathroom, en-suite or utility room. | 3 years |    |    | PAGE 14 |
| CT FORCE  | Solid brass, impellers and robust brass ends. Quiet operation. | 5 years |     |     | PAGE 16 |
| RIGHT PUMP  | Quietest pumps in the range, high performance. | 3 years |     |     | PAGE 20 |



TapBoost

7-11
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.

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.



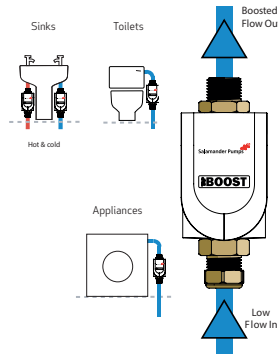
| PUMP | BAR | dBA | Max outlets |
|-------|-----|------|-------------|
| TBS15 | 0.5 | 34.2 | 1 |

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 | 18 | 53.5 | 2 |
| CT80B | 2.6 | 57.5 | 4 |

SUITABLE FOR:



SPECIFICATION:



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 | 18 | 53.5 | 2 |
| CT80BU | 2.6 | 57.5 | 4 |

SUITABLE FOR:

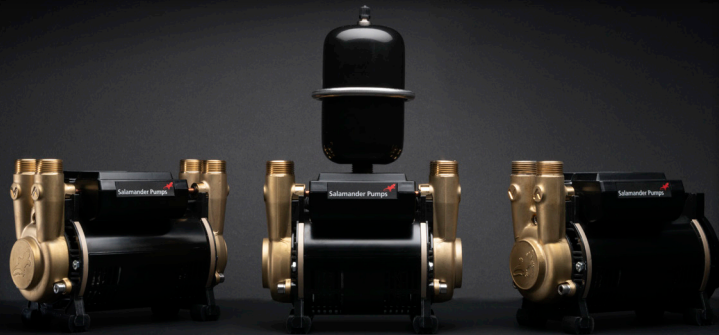


SPECIFICATION:



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

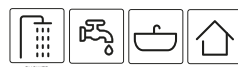
Twin Ended, Positive

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* | 15 | 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* | 15 | 48 | 4 |
| CT Force 20TU | 2.0 | 54 | 6 |
| CT Force 30TU | 3.0 | 52.5 | 6 |

SUITABLE FOR:



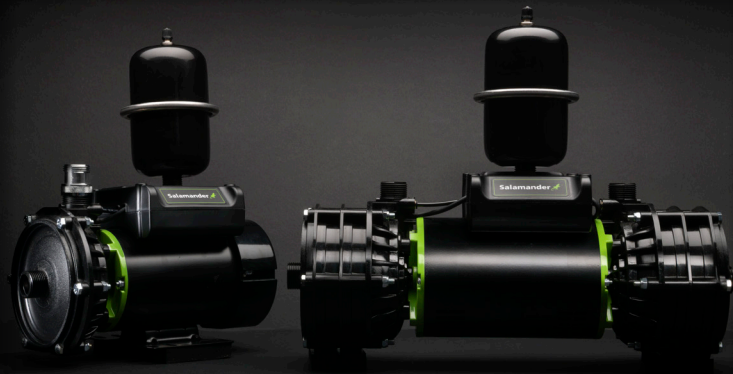
SPECIFICATION:



*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 |

*Per pump



SUITABLE FOR:



SPECIFICATION:



Gravity Fed Pump Comparison



| CT Xtra | | | | CT Bathroom | | | | CT Force | | | | | | Ora | | Right Pumps | | | | | | | TapBoost | | | | | |
|---|------|-------|------|-------------|-------|--------|--------|----------|---------|---------|---------|---------|---------|---------|---------|-------------|---------|--|-------|--------|--------|---------|----------|--------|--------|---------|--------|--------|
| CT155 | CT85 | CT150 | CT75 | CT60B | CT80B | CT60BU | CT80BU | CTF20PS | CTF30PS | CTF20SU | CTF30SU | CTF15PT | CTF20PT | CTF30PT | CTF15TU | CTF20TU | CTF30TU | ORA15 | ORA20 | RP55SU | RP80SU | RP120SU | | RP50PT | RP75PT | RP100PT | RP50TU | RP75TU |
| Regenerative pumps for gravity-fed installation | | | | | | | | | | | | | | | | | | Centrifugal 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 | 2.2 | 15 | 2.0 | 18 | 26 | 18 | 26 | 20 | 30 | 20 | 30 | 15 | 2.0 | 30 | 15 | 2.0 | 30 | 15 | 2.0 | 15 | 2.4 | 36 | 15 | 2.2 | 30 | 15 | 2.2 | 30 | 0.5 |
|------------------------|----|-----|----|-----|----|----|----|----|----|----|----|----|----|-----|----|----|-----|----|----|-----|----|-----|----|----|-----|----|----|-----|----|-----|

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) | | | | | | | ● | | | | ● | | | | | ● | | | | | ● | | | | | | ● | | |

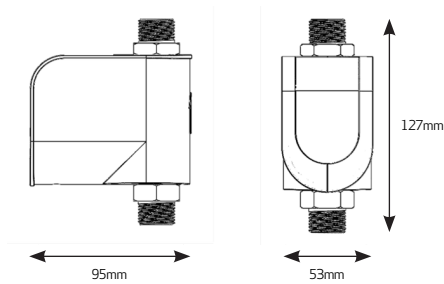
Pump noise

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------|--------------|--|--|--|--------------|--|--|--|------------|--|--|--|--|--|-----|--|--------------|--|--|--|--|--|--|---------|
| dBA rating* | From 44.5dBA | | | | From 53.5dBA | | | | From 42dBA | | | | | | N/A | | From 45.5dBA | | | | | | | 34.2dBA |
|-------------|--------------|--|--|--|--------------|--|--|--|------------|--|--|--|--|--|-----|--|--------------|--|--|--|--|--|--|---------|

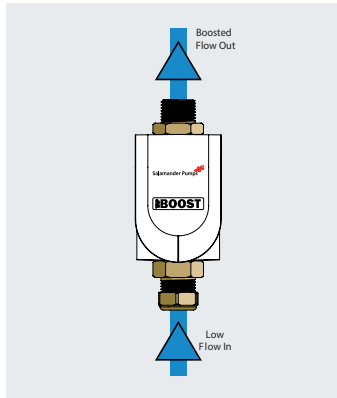
Warranty

| | | | | | | | | | | | | | | | | | | | | | | | | |
|----------|---------|--|--|--|---------|--|--|--|---------|--|--|--|--|--|--------|--|---------|--|--|--|--|--|--|---------|
| Duration | 3 years | | | | 3 years | | | | 5 years | | | | | | 1 year | | 3 years | | | | | | | 2 years |
|----------|---------|--|--|--|---------|--|--|--|---------|--|--|--|--|--|--------|--|---------|--|--|--|--|--|--|---------|

Dimensions



Installation

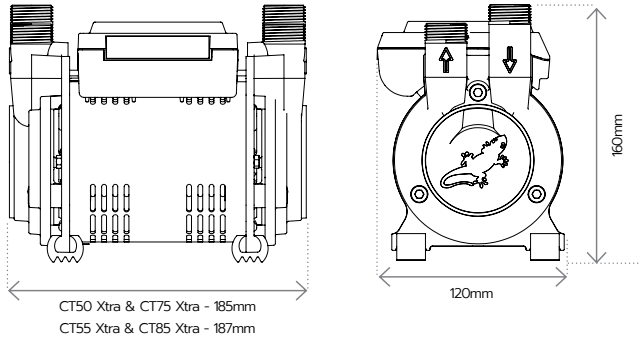


| | | TBS15 | | |
|---------------------------------|----------------------------------|--|--|--|
| General | Guarantee | 2 years | | |
| | Maximum inlet water pressure | 10 Bar / 1000 kPa | | |
| | Minimum flow rate for activation | 12 lpm | | |
| | Back flow protection | Integrated non-return valve | | |
| | Pump inlet connection | 15mm compression | | |
| | Pump outlet connection | 1/2" male BSP | | |
| | Pump specification | 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) | | |
| Power supply transformer | Model number | GT-46600-6012-T2 | EA10682G-120 | |
| | Electrical input | AC 100-240 Volts, 50/60Hz, 1.5A | AC 100-240 Volts, 50/60Hz, 2.0A | |
| | Electrical output | DC 12 Volts, 60W, 5.0A | DC 12 Volts, 50W, 4.16A | |
| | 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 | | |

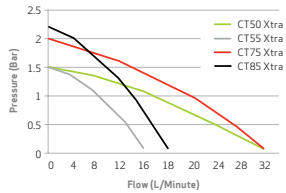
Actual values may vary due to tolerances.



Dimensions



Flow Curves



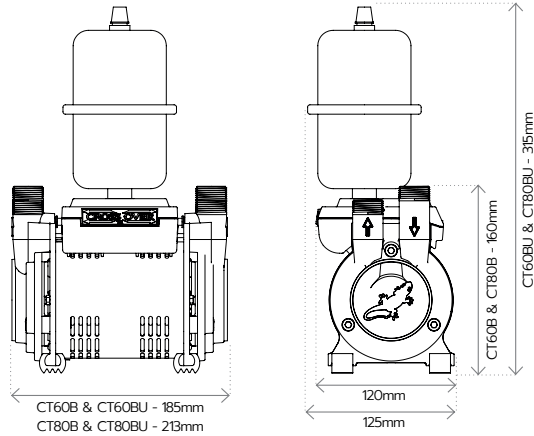
Patents

GB2465392B
Integrated volute

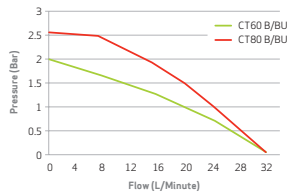
CT50 Xtra CT75 Xtra CT55 Xtra CT85 Xtra

| | | | | | |
|--------------------|--|---|-----------|-----------|-----------|
| General | Guarantee | 3 Years | | | |
| | WRAS approval | 1309001 | | | |
| Features | Pump Type | Regenerative | | | |
| | Mechanical seal | EPDM / PTFE / Ceramic | | | |
| | Anti-vibration feet | ✓ | ✓ | ✓ | ✓ |
| | Inlet Isolator(s) | ✓ | ✓ | ✓ | ✓ |
| | Flexible hoses | 4 | 4 | 2 | 2 |
| | Pressure @ 16lpm (8lpm for singles) | 10 Bar | 13 Bar | 11 Bar | 17 Bar |
| Performance | Bar Pressure @ 8lpm (4lpm for singles) | 13 Bar | 17 Bar | 14 Bar | 2.0 Bar |
| | Pressure @ Closed Head | 15 Bar | 2.0 Bar | 15 Bar | 2.2 Bar |
| | Maximum Water Temperature | 65°C | | | |
| | Pressure Vessel Air Pre-Charge | N/A | | | |
| | Pump connections | 3/4" BSP | | | |
| Connections | 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 | | | |
| Motor | Type | AC Induction Motor | | | |
| | Duty rating | Continuously Rated | | | |
| Electrical | Power Supply | 230v | | | |
| | Current (full load) | 197 Amps | 205 Amps | 126 Amps | 107 Amps |
| | Power consumption | 455 Watts | 484 Watts | 273 Watts | 246 Watts |
| | Fuse Rating | 3 Amps | | | |
| | Power cable (pre-wired) | 15 metres | | | |
| Physical | Enclosure Protection (IP Rating) | IPX3 | | | |
| | Length | 185mm | | 187mm | |
| | Width | 120mm | | | |
| | Height (Excluding Hoses) | 160mm | | | |
| | Weight (Excluding Hoses) | 39kg | 39kg | 38kg | 38 kg |
| *ROI product code | | CT54Xtra | CT79Xtra | CT59Xtra | CT89Xtra |

Dimensions



Flow Curves



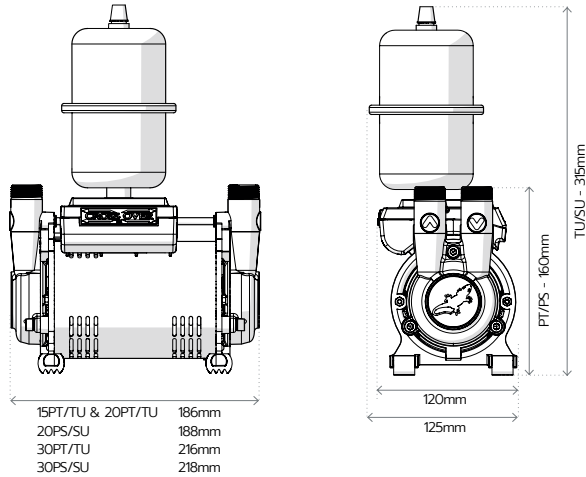
Patents

GB2465392B
Integrated volute

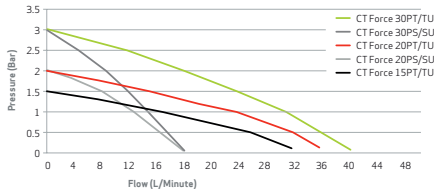
| | CT Bathroom 60B/BU | CT Bathroom 80B/BU |
|--|--------------------|--------------------|
|--|--------------------|--------------------|

| | | | |
|--------------------|--|---|----------------------|
| General | Guarantee | 3 Years | |
| | WRAS approval | 1507004 | |
| Features | Pump Type | Regenerative | |
| | Mechanical seal | EPDM / PTFE / Ceramic | |
| | Anti-vibration feet | ✓ | ✓ |
| | Inlet Isolator(s) | ✓ | ✓ |
| | Flexible hoses | 4 | 4 |
| Performance | Pressure @ 16lpm (8lpm for singles) | 13 Bar | 16 Bar |
| | Bar Pressure @ 8lpm (4lpm for singles) | 17 Bar | 23 Bar |
| | Pressure @ Closed Head | 18 Bar | 26 Bar |
| | Maximum Water Temperature | 65°C | |
| Connections | Pressure Vessel Air Pre-Charge | 28 psi | |
| | 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 | |
| Motor | Type | A.C Induction Motor | |
| | Duty rating | Continuously Rated | |
| Electrical | Power Supply | 230v | |
| | Current (full load) | 195 Amps | 224 Amps |
| | Power consumption | 455 Watts | 484 Watts |
| | Fuse Rating | 3 Amps | |
| | Power cable (pre-wired) | 15 metres | |
| Physical | Enclosure Protection (IP Rating) | IPX3 | |
| | Length | 185mm | 213mm |
| | Width | 120mm (B) / 125mm (BU) | |
| | Height (Excluding Hoses) | 160mm (B) / 315mm (BU) | |
| | Weight (Excluding Hoses) | 4.0/4.6kg | 5.2/5.8kg |
| *ROI product code | | CT64HXtra/CT64HUXtra | CT84HXtra/CT84HUXtra |

Dimensions



Flow Curves



Patents

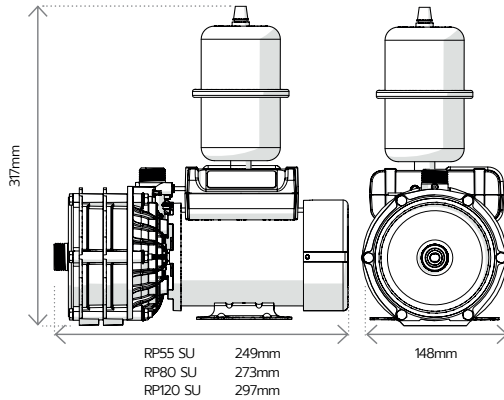
GB2465392B
Integrated volute

| | CT Force 15PT/TU | CT Force 20PT/TU | CT Force 30PT/TU | CT Force 20PS/SU | CT Force 30PS/SU |
|--|------------------|------------------|------------------|------------------|------------------|
|--|------------------|------------------|------------------|------------------|------------------|

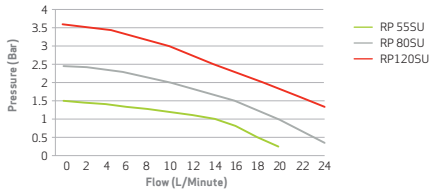
| | | | | | | |
|--------------------|--|--|--------------------|--------------------|--------------------|-----------|
| General | Guarantee | 5 Years | | | | |
| | WRAS approval | 1210047 | | | | |
| Features | Pump Type | Regenerative | | | | |
| | Mechanical seal | EPDM / PTFE / Ceramic | | | | |
| | Anti-vibration feet | ✓ | ✓ | ✓ | ✓ | |
| | Inlet Isolator(s) | ✓ | ✓ | ✓ | ✓ | |
| | Flexible hoses | 4 | 4 | 4 | 2 | 2 |
| Performance | Pressure @ 16lpm (8lpm for singles) | 11 Bar | 15 Bar | 22 Bar | 15 Bar | 21 Bar |
| | Bar Pressure @ 8lpm (4lpm for singles) | 13 Bar | 18 Bar | 26 Bar | 18 Bar | 26 Bar |
| | Pressure @ Closed Head | 15 Bar | 20 Bar | 30 Bar | 20 Bar | 30 Bar |
| | Maximum Water Temperature | 65°C | | | | |
| | Pressure Vessel Air Pre-Charge | 28psi | 28psi | 32psi | 28psi | 32psi |
| Connections | 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 | | | | |
| Motor | Type | A.C Induction Motor | | | | |
| | Duty rating | Continuously Rated | | | | |
| Electrical | Power Supply | 230v | | | | |
| | Current (full load) | 195 Amps | 224 Amps | 29 Amps | 125Amps | 19 Amps |
| | Power Consumption | 457 Watts | 531 Watts | 690 Watts | 304 Watts | 410 Watts |
| | Fuse Rating | 3 Amps | | | | |
| | Power Cable (pre-wired) | 15 metres | | | | |
| Physical | Enclosure Protection (IP Rating) | IPX3 | | | | |
| | Length | 186mm | 186mm | 216mm | 188mm | 218mm |
| | Width | 120mm(PT/PS) / 125mm (TU/SU) | | | | |
| | Height (Excluding Hoses) | 160mm(PT/PS) / 315mm (TU/SU) | | | | |
| | Weight (Excluding Hoses) | 5.0/5.6kg | 5.0/5.6kg | 6.3/6.8kg | 4.4/5.0kg | 5.7/6.2kg |
| *ROI product code | CT Force 15IPT/ITU | CT Force 20IPT/ITU | CT Force 30IPT/ITU | CT Force 20IPS/ISU | CT Force 30IPS/ISU | |

Right Pumps - Single Ended Universal

Dimensions



Flow Curves

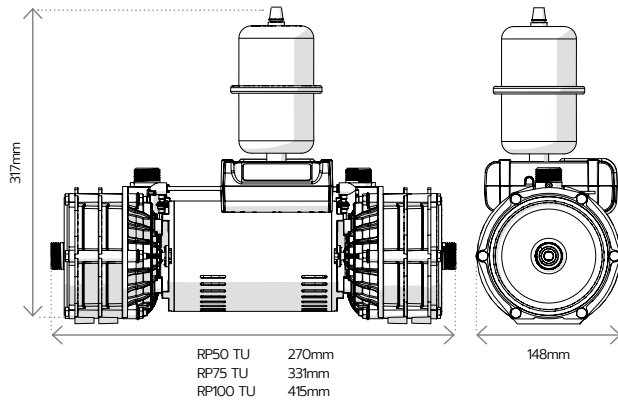


| | RP55SU | RP80SU | RP120SU | |
|--------------------|--|---|-----------|-----------|
| General | Guarantee | 3 Years | | |
| | WRAS approval | 1810090 | | |
| Features | Pump Type | Centrifugal | | |
| | Mechanical seal | EPDM / PTFE / Ceramic | | |
| | Anti-vibration feet | ✓ | ✓ | ✓ |
| | Inlet Isolator(s) | ✓ | ✓ | ✓ |
| | Flexible hoses | 2 | 2 | 2 |
| Performance | Pressure @ 16lpm (8lpm for singles) | 13 Bar | 21 Bar | 32 Bar |
| | Bar Pressure @ 8lpm (4lpm for singles) | 14 Bar | 23 Bar | 34 Bar |
| | Pressure @ Closed Head | 15 Bar | 24 Bar | 36 Bar |
| | Maximum Water Temperature | 65°C | | |
| | Pressure Vessel Air Pre-Charge | 18 psi | 28 psi | 32 psi |
| Connections | 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 | | |
| Motor | Type | A.C Induction Motor | | |
| | Duty rating | Continuously Rated | | |
| Electrical | Power Supply | 230v | | |
| | Current (full load) | 1.10 Amps | 1.75 Amps | 2.40 Amps |
| | Power consumption | 245 Watts | 400 Watts | 565 Watts |
| | Fuse Rating | 3 Amps | 3 Amps | 3 Amps |
| | Power cable (pre-wired) | 15 metres | | |
| Physical | Enclosure Protection (IP Rating) | IPX3 | | |
| | Length | 249mm | 273mm | 297mm |
| | Width | 148mm | | |
| | Height (Excluding Hoses) | 317mm | | |
| | Weight (Excluding Hoses) | 6.4kg | 6.7kg | 7.0kg |

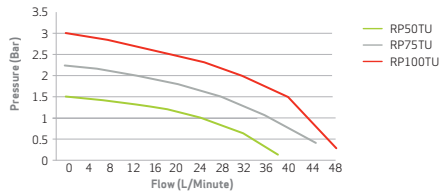


Right Pumps - Twin Ended Universal

Dimensions



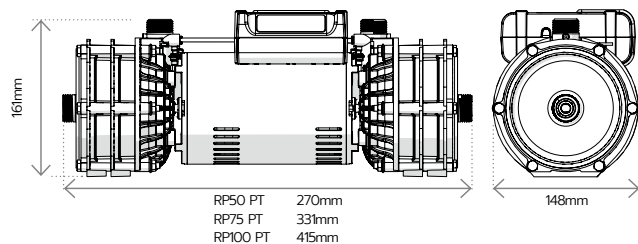
Flow Curves



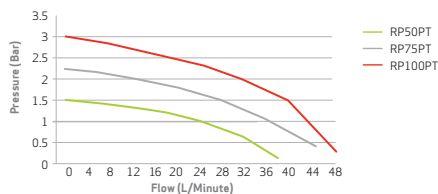
| | RP50TU | RP75TU | RP100TU | |
|--------------------|--|---|-----------|------------|
| General | Guarantee | 3 Years | | |
| | WRAS approval | 1810090 | | |
| Features | Pump Type | Centrifugal | | |
| | Mechanical seal | EPDM / PTFE / Ceramic | | |
| | Anti-vibration feet | ✓ | ✓ | ✓ |
| | Inlet Isolator(s) | ✓ | ✓ | ✓ |
| | Flexible hoses | 4 | 4 | 4 |
| Performance | Pressure @ 16lpm (8lpm for singles) | 12 Bar | 19 Bar | 27 Bar |
| | Bar Pressure @ 8lpm (4lpm for singles) | 14 Bar | 21 Bar | 29 Bar |
| | Pressure @ Closed Head | 15 Bar | 2.2 Bar | 30 Bar |
| | Maximum Water Temperature | 65°C | | |
| | Pressure Vessel Air Pre-Charge | 18 psi | 28 psi | 32 psi |
| Connections | 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 | | |
| Motor | Type | A.C Induction Motor | | |
| | Duty rating | Continuously Rated | | |
| Electrical | Power Supply | 230v | | |
| | Current (full load) | 140 Amps | 270 Amps | 460 Amps |
| | Power consumption | 325 Watts | 630 Watts | 1045 Watts |
| | Fuse Rating | 3 Amps | 5 Amps | 5 Amps |
| | Power cable (pre-wired) | 15 metres | | |
| Physical | Enclosure Protection (IP Rating) | IPX3 | | |
| | Length | 270mm | 331mm | 415mm |
| | Width | 148mm | | |
| | Height (Excluding Hoses) | 317mm | 317mm | 335mm |
| | Weight (Excluding Hoses) | 5.6kg | 6.8kg | 9.9kg |

Right Pumps - Twin Ended Positive

Dimensions



Flow Curves



| | RP50PT | RP75PT | RP100PT | |
|--------------------------------|--|---|---|------------|
| General | Guarantee | 3 Years | | |
| | WRAS approval | 1810090 | | |
| Features | Pump Type | Centrifugal | | |
| | Mechanical seal | EPDM / PTFE / Ceramic | | |
| | Anti-vibration feet | ✓ | ✓ | ✓ |
| | Inlet Isolator(s) | ✓ | ✓ | ✓ |
| | Flexible hoses | 4 | 4 | 4 |
| Performance | Pressure @ 16lpm (8lpm for singles) | 12 Bar | 19 Bar | 27 Bar |
| | Bar Pressure @ 8lpm (4lpm for singles) | 14 Bar | 21 Bar | 29 Bar |
| | Pressure @ Closed Head | 15 Bar | 2.2 Bar | 30 Bar |
| | Maximum Water Temperature | 65°C | | |
| Pressure Vessel Air Pre-Charge | N/A | N/A | N/A | |
| Connections | 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 | |
| Motor | Type | A/C Induction Motor | | |
| | Duty rating | Continuously Rated | | |
| Electrical | Power Supply | 230v | | |
| | Current (full load) | 140 Amps | 270 Amps | 460 Amps |
| | Power consumption | 325 Watts | 630 Watts | 1045 Watts |
| | Fuse Rating | 3 Amps | 5 Amps | 5 Amps |
| | Power cable (pre-wired) | 15 metres | | |
| Physical | 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 |

Accessories

S Flange



Protects the pump from damage caused by air. 22mm inlet connection and 28mm adapter outlet.

Temperature Protection Blending Valve (HWS TMV)



Protects the pump in situations where there is inadequate hot water temperature protection. Comes complete with connectors for 22mm compression.

Non Return Valve (NRV)



Prevents back flow of water to the pump. Can be fitted between the pump and the anti-vibration coupler.

Anti-vibration Couplers



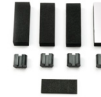
Salamander Pumps has a range of replacement anti-vibration couplers. Available in straight and angled, with 15mm and 22mm with plastic or brass nuts. The couplers can be purchased individually or in packs of 4.

Pressure Vessel Replacement Kit (ACCPV1L)



Pressure vessel suitable for CT Bathroom Universal, CT Force Universal and Right Pump Universal pumps.

Anti-vibration Pump Feet (ACCFEET)



Includes:
4 x Ora feet
4 x CT Xtra/CT Bathroom/CT Force feet
2 x Right Pump feet

O Ring Service Kits (SKORING01, SKORING02)



Eight replacement O rings per pack. SKORING01 O Ring kit suitable for CT / Force / Bathroom pumps. SKORING02 O Ring kit suitable for RP / RSP / RHP / RGP / ESP pumps.

Pump Mat (ACCPUMPMAT)



Salamander Pumps pump mat made with high density foam for noise reduction caused by vibration transmission. 250mm x 160mm. Thickness: 15mm

TapBoost Replacement Power Supply Unit (TBSPSU)



Replacement power supply unit and mains power 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



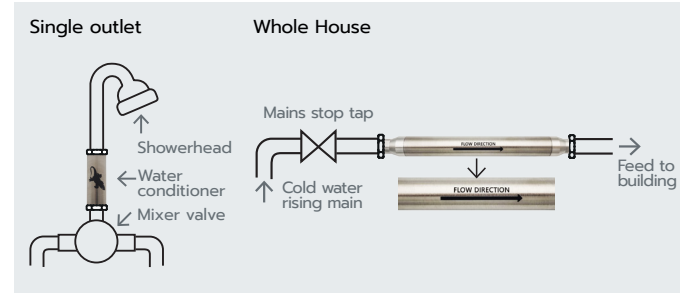
Salamander Pumps' Water Conditioners offer single point or whole house water supply treatment, they prevent limescale build-up, protecting your household appliances including a shower pump.

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.

KEY FEATURES

- Single point or whole house water supply treatment
- Prevent limescale build-up
- Do not use chemicals or salt
- Easy to install in any orientation - both vertically or horizontally
- Compact design
- Environmentally friendly
- Maintenance free – no ongoing running costs
- No electrical power required
- 10-year warranty.

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.

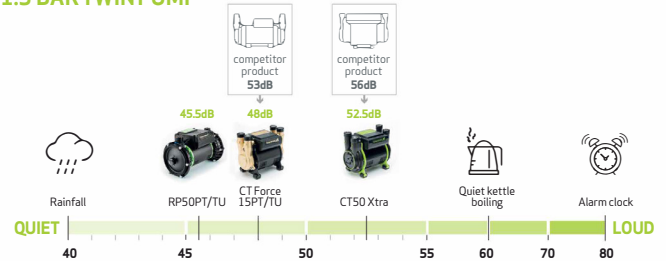


All of our products have been engineered to be as quiet as possible, but it is worth mentioning that there is some noise associated with the operation of all of our products.

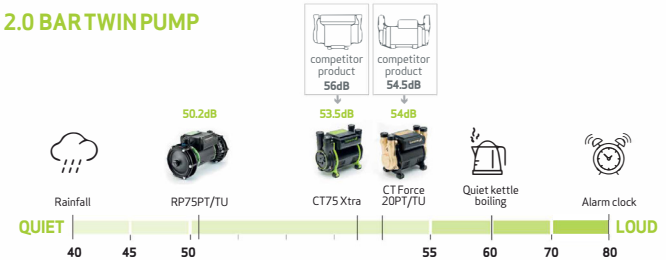
For further product information on noise and individual dBA ratings visit our website www.salamanderpumps.co.uk



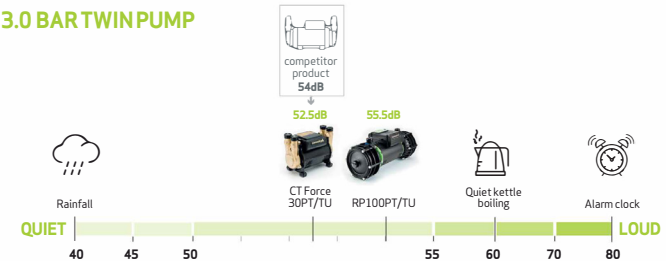
1.5 BARTWIN PUMP



2.0 BARTWIN PUMP

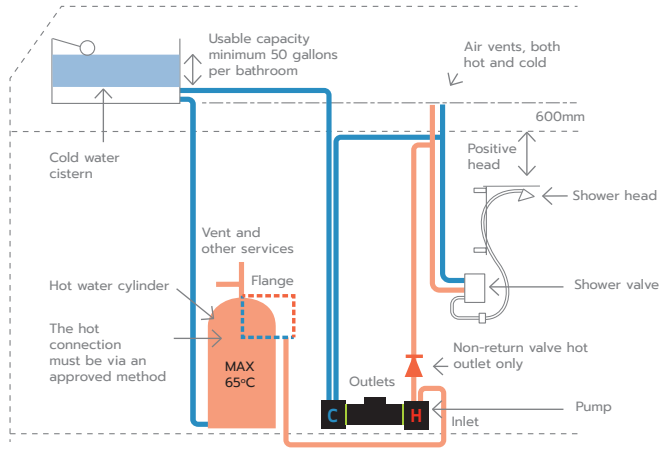


3.0 BARTWIN PUMP



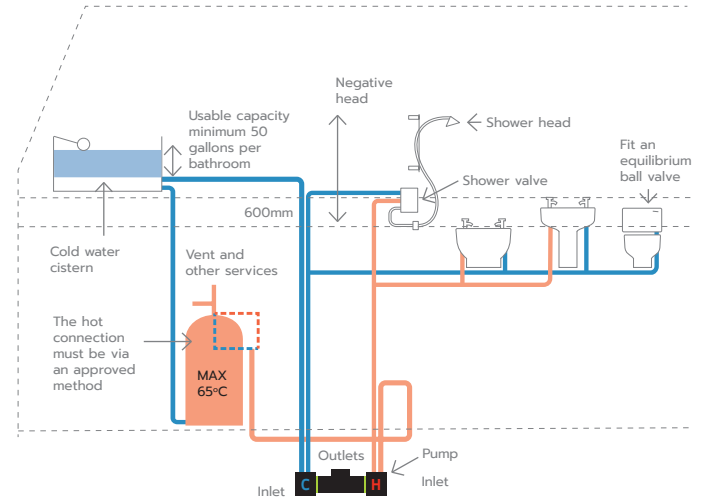
Installation diagrams

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.

Visit our
Online Product
Selector

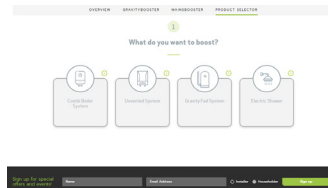


Brochures

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.

Website

We've created a piece of software that you can find our website (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.



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 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



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



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

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](https://www.salamanderpumps.co.uk)

**MADE IN
BRITAIN** 

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