

Salamander Pumps 

MainsBooster

RANGE



A range of product solutions to boost mains flow and pressure. Improving water performance to the shower, bathroom and whole house.

Smarter Water Performance





New MainsBooster Range Explained

Salamander Pumps are pleased to introduce a range of new inline pumps and accumulator tanks, providing a quiet, lightweight and easy to install solution to all domestic and light commercial mains water boosting needs.

For further product information, training and product selector software visit www.salamanderpumps.co.uk

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Technology Inside

We continue to strive to improve our products and we include many of our newly developed technologies in our MainsBooster Range.



CROSSOVER™

An innovatively designed bypass tube that diverts water from 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.



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.



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.



MOTOR PUMP INTEGRATION™

The innovative product design building the motor into the pump impeller 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.



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.



NOISE/VIBRATION REDUCTION™

Product design innovation has been used to reduce the noise and vibrations in a shower pump, including noise reducing feet and specially selected materials which dampen the vibration of the motor.



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.



DYNAMIC RESPONSE SYSTEM™

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.



INTERROGAI™

Technology within the pump that monitors 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.



ANTI STICTION PROTECTION™

A film of water across the seals acts 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 pumps have electronics which detect when a pump hasn't been used for 48 hours which turn the pump on momentarily to refresh the film of water and prevent the pump from sticking.



Inline Pumps

This range of pumps will sit directly on the incoming mains water and boost water pressure and flow to the specified amount, in keeping with the Water Fitting Regulations of 1999.

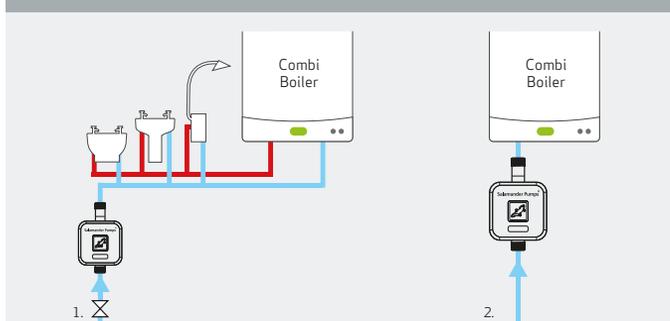
They are an ideal solution in properties that have poor mains flow where a quiet and compact solution is needed. From this range you will find a solution that will improve water performance to a single tap, shower, bathroom and whole house appliances.

These products should be installed directly onto the incoming mains using 3/4" BSP to 15mm or 22mm fittings either just after the stop tap or before the boiler appliance.

Fittings kit available separately.

Product Name	Flow Rate L/Min
CombiBoost	10
HomeBoost	12

TYPICAL INLINE PUMP INSTALLATION



Accumulator Tanks

AccuBoost, our range of accumulator tanks, offers a solution to boosting mains water when higher flow rates are required and there is demand for water within a property over and above what the mains water is currently providing. It is ideal for use with combination boilers or unvented cylinders.

AccuBoost stores water at pressure and instantly releases this water into the system when there is increased demand within the property. Selected models will fit into standard kitchen cupboards.

ACCUMULATOR SYSTEMS (PUMPED)

A pumped option is recommended if flow is less than 12 litres/minute and/or the static pressure is below 2.0 bar.

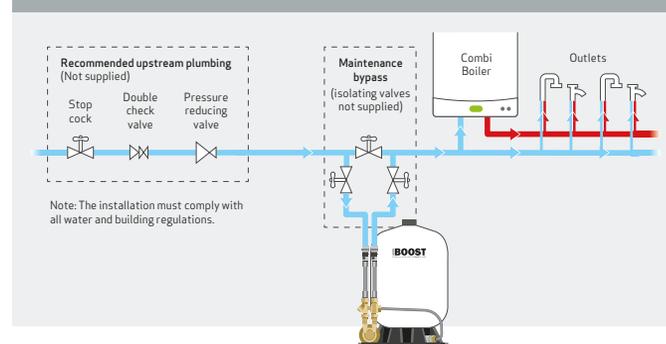
Available in 5 different tank sizes, the AccuBoost pumped range will boost water performance when the incoming mains water flow and/or pressure is poor. The pumped option will always maintain a flow of 12 litres per minute in addition to the extra flow provided by the tank.

ACCUMULATOR TANKS (UNPUMPED)

Available in 4 different tank sizes, this range will give an extra boost when pressure is good and water flow is above 12 litres per minute, but additional water flow is needed in addition to the mains supply.

There is the option to link multiple tanks together depending on space available and the required demand.

TYPICAL PUMPED INSTALLATION



CombiBoost

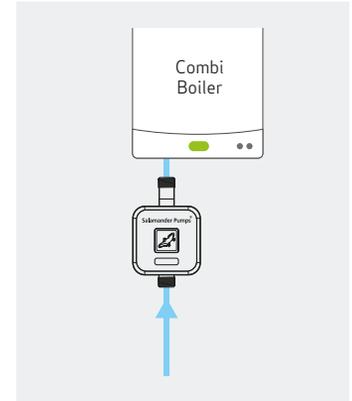
10l
per min



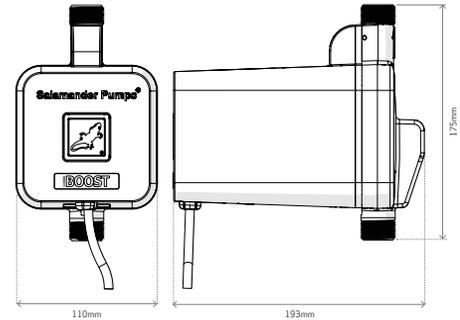
If you have a combi boiler that isn't performing as well as it should be due to poor water pressure and flow then a CombiBoost will help.

- Boost mains water flow up to 10l/min
- Improved shower performance
- Quicker bath-fill
- Stronger flowing taps
- 1 year warranty

INSTALLATION



DIMENSIONS



HomeBoost

12l
per min

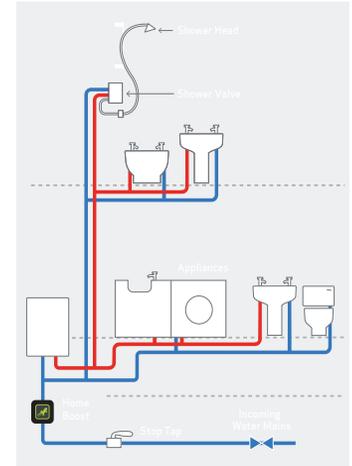


HomeBoost is our most intelligent inline mains booster pump.

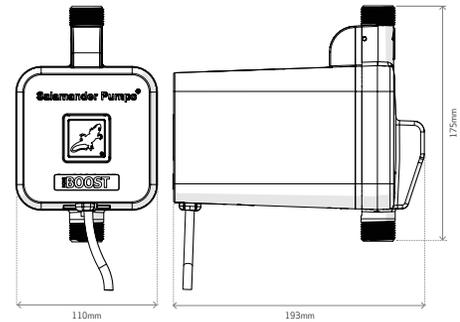
It recognises when water pressure and flow is low and quietly boosts water performance, either directly or indirectly via your combination boiler, up to 12 litres per minute.

- Boost mains water flow up to 12 l/min
- Improved shower performance
- Quicker bath-fill
- Stronger flowing taps
- Flow indicator lights
- 3 year warranty

INSTALLATION



DIMENSIONS



Inline Pumps

Technical Specification

		CombiBoost	HomeBoost
General	Guarantee	1 Year	3 Years
Features	Pump Type	MainsBooster	MainsBooster
Performance	Litres per Min	10l	12l
	Bar Rating	1.0 bar	1.6 bar
Motor	Type	Brushless	Brushless
	Duty Rating	Continuously rated	Continuously rated
Electrical	Flow Indicator Light	No	Yes
	Power Supply	230v	230v
	Current (Full load)	1.8 Amps	1.8 Amps
	Power Consumption	Variable	Variable
	Fuse Rating	3 Amps	3 Amps
	Power Cable (pre-wired)	1.5 metres	1.5 metres
Physical	Enclosure Protection (IP Rating)	IPX4	IPX4
	Length	193mm	193mm
	Width	110mm	110mm
	Height	175mm	175mm
	Weight	3.1kg	3.1kg

Inline Pumps

Accessories



CHBFIT01

The inline pump fittings kit ensures a smooth and efficient installation.
Included in kit: Isolation valve connector, Straight connector, Set of adapters to allow either 15mm or 22mm pipe connection.



AccuBoost Tank



An unpumped AccuBoost accumulator tank provides an excellent solution for properties requiring additional flow.

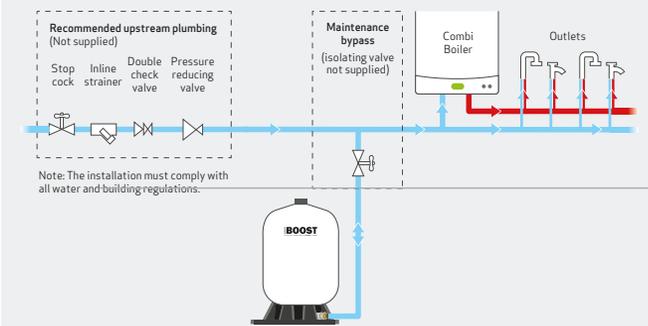
Available in 4 different tank sizes, this range will give an extra boost when pressure is good and water flow is above

12 litres per minute, but additional water flow is needed in addition to the mains supply.

- Lightweight, composite material
- Link multiple tanks together for additional capacity
- 3 year warranty

INSTALLATION

UNPUMPED



Code	Description
ACC-120-TNK	AccuBoost 120 Tank: 120 litre accumulator tank
ACC-180-TNK	AccuBoost 180 Tank: 180 litre accumulator tank
ACC-300-TNK	AccuBoost 300 Tank: 300 litre accumulator tank
ACC-450-TNK	AccuBoost 450 Tank: 450 litre accumulator tank

AccuBoost System



AccuBoost pumped models give an extra boost to mains water flow and pressure.

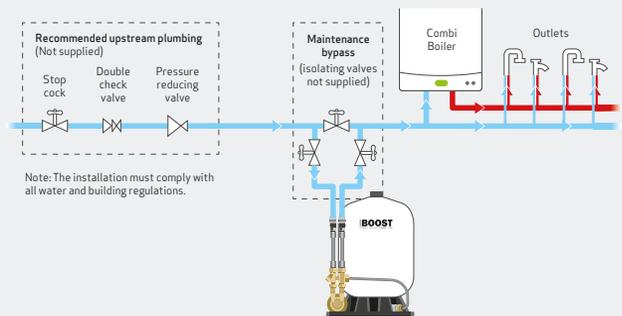
Available in 5 tank sizes, the AccuBoost pumped range will boost water performance when the incoming mains water flow and/or pressure is poor. The pumped option will always maintain a flow of 12 litres per minute in addition to the extra flow provided by the tank.

A pumped option is recommended if flow is less than 12 litres/min and/or the static pressure is below 2.0 bar.

- Lightweight, composite material
- 60L, 120L and 180L AccuBoost supplied as one unit ready to install
- Link multiple tanks together for additional capacity
- 3 year warranty

INSTALLATION

PUMPED



Code	Description
ACC-060-SYS	AccuBoost 060 System: 60 litre pumped accumulator set
ACC-120-SYS	AccuBoost 120 System: 120 litre pumped accumulator set
ACC-180-SYS	AccuBoost 180 System: 180 litre pumped accumulator set
ACC-300-SYS	AccuBoost 300 System: 300 litre pumped accumulator set
ACC-450-SYS	AccuBoost 450 System: 450 litre pumped accumulator set

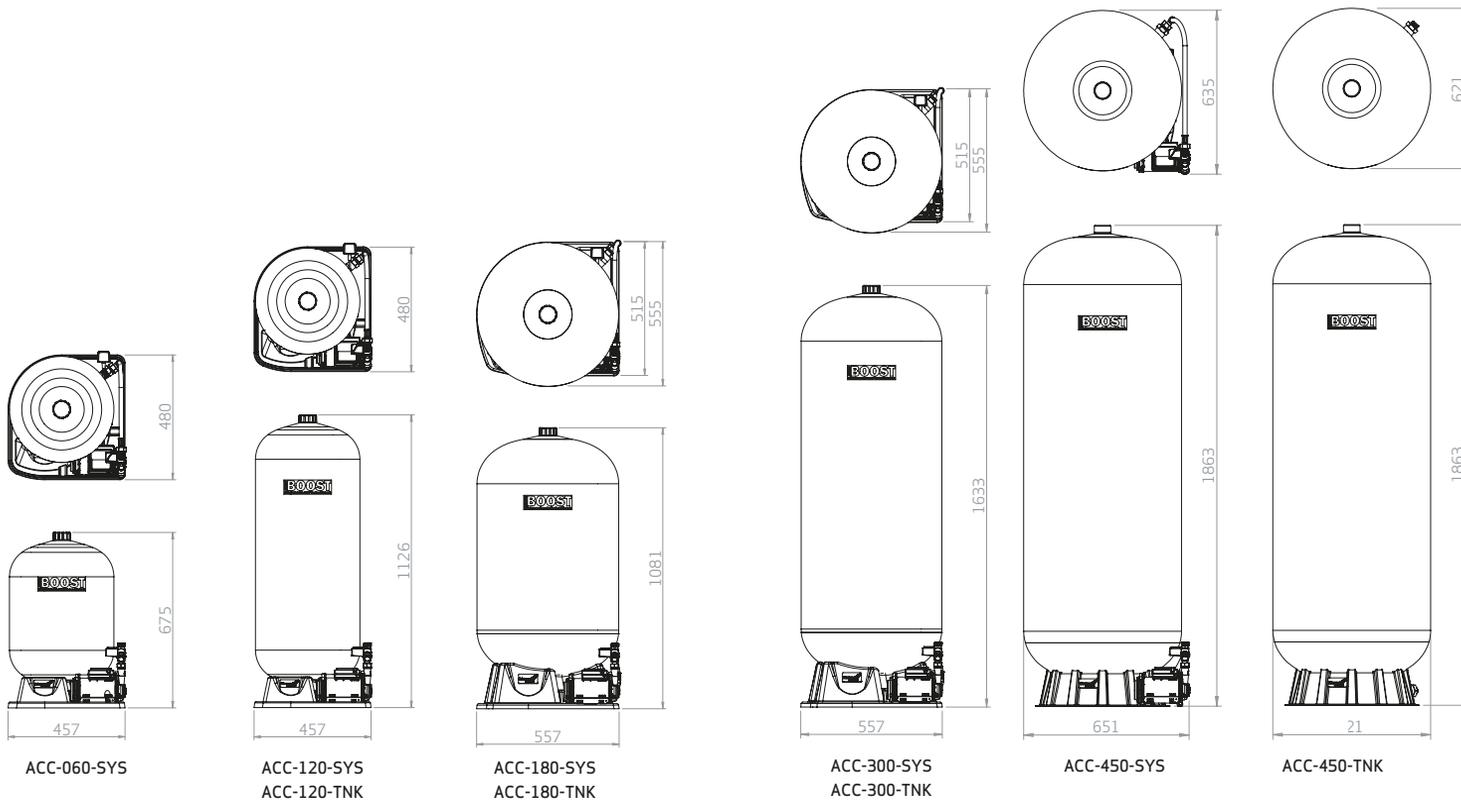
AccuBoost Tank (Unpumped) Technical Specification

		ACC-120-TNK	ACC-180-TNK	ACC-300-TNK	ACC-450-TNK
Guarantee		3 Years			
Specification	Maximum Operating Pressure	8.6 Bar			
	Vessel Size (Litres)	112	178	301	453
	Maximum Water Vessel Water Storage Capacity (Litres)	56	89	150.5	226.5
	Flow Rate (Litres per min, not including natural mains flow)	4	6	18	24
	Connection Type	3/4" BSP			
Dimensions	Height (mm)	1126	1081	1633	1863
	Width (mm)	457	557	557	621
	Depth (mm)	480	557	557	621
Weights	Empty Weight (kg)	12.8	20.3	35.5	47
	Maximum Weight (kg)	68.8	109.3	186	273.5
	Maximum Weight (kg)	124.8	198.3	336.5	500

AccuBoost System (Pumped) Technical Specification

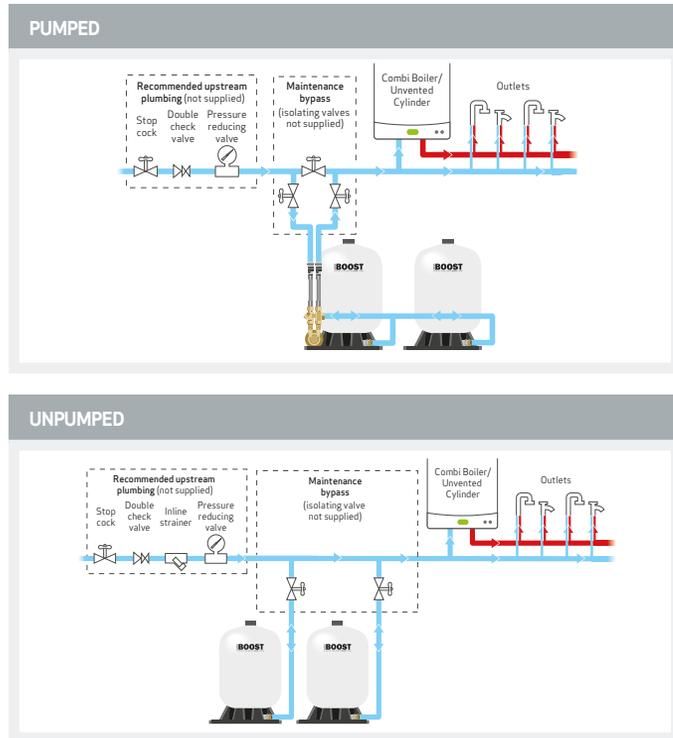
		ACC-060-SYS	ACC-120-SYS	ACC-180-SYS	ACC-300-SYS	ACC-450-SYS
Guarantee		3 Years				
Specification	Maximum Operating Pressure	8.6 Bar				
	Vessel Size (Litres)	55	112	178	301	453
	Maximum Water Vessel Water Storage Capacity (Litres)	27.5	56	89	150.5	226.5
	Height (mm)	675	1126	1081	1633	1863
	Dimensions	Width (mm)	457	457	557	557
	Depth (mm)	480	480	557	557	635
Weights	Empty Weight (kg)	15.4	20	27.5	42.7	54.2
	Filled Weight (kg)	42.9	76	116.5	193.2	280.7
	Maximum Weight (kg)	70.4	132	205.5	343.7	507.2
Pump	Pump Type	Regenerative				
	Pump Model	ASSYACCUFORCE				
	Mechanical Seal	Nitrile/carbon/ceramic				
	Pump body/Impeller	Brass				
	Enclosure Protection	IPX4				
Motor	Type	Capacitor start and run induction motor				
	Duty Rating	Continuous				
Electrical	Power Supply/Phase/Frequency	230v/1/50Hz				
	Current (Full load)	1.9 A				
	Power Consumption	410w				
	Fuse Rating	3A				
	Power Cable	Pre wired with plug				
Connections	Pump	3/4" male BSP				
	Anti vibration Couplers	3/4" female BSP - 22m push-in				
	Maximum Head	4 bar				
Performance	Maximum Flow Rate	14l/min	16l/min	18l/min	30l/min	36l/min
	Time at Maximum Flow Rate	9 mins	9 mins	9 mins	9 mins	9 mins
	Minimum Continuous Flow Rate	12l/min	12l/min	12l/min	12l/min	12l/min
	Performance values may be higher if mains natural flow is above 12l/m					

DIMENSIONS



AccuBoost Linking Multiple Tanks

If additional water storage capacity is required, multiple tanks can be installed in a system, only one pump can be fitted per installation. A Salamander Pumps' tank connector kit (TNK-CON-KIT) can be purchased separately to allow multiple tanks to be connected.



AccuBoost Accessories

Accessories only comptible with Salamander Pumps' MainsBooster range.



ACC-UPG-KIT

Upgrade an un pumped accumulator model to a pumped model.



FLO-RES-KIT

Allows the flow rate from AccuBoost to be adjusted.



TNK-CON-KIT

Connect multiple AccuBoost tanks together.



TNK-HOSE

Replacement tank hose.



Product Selection Support

The grid below shows the length of time (in minutes) that each product will provide the specified flow rate, assuming a flow rate of 12 litres per minute from the mains or delivered by a pump for pumped models.

Green = running time (mins)

Products	Water usage by outlets in home (flow rate L/min)					
	10	12	14	16	18	20
CombiBoost	Cont.	-	-	-	-	-
HomeBoost	Cont.	Cont.	-	-	-	-

AccuBoost Model	Ideal for one bathroom homes	060	Cont.	Cont.	9	-	-	-
		120	Cont.	Cont.	23	9	-	-
		180	Cont.	Cont.	37	19	9	-
	Ideal for homes with multiple bathrooms	300	Cont.	Cont.	78	39	26	20
		450	Cont.	Cont.	108	54	36	27

Water usage by outlets in home (flow rate L/min)								Recharge time (min)
22	24	26	28	30	32	34	36	
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	5
-	-	-	-	-	-	-	-	-	10
-	-	-	-	-	-	-	-	-	15
16	13	12	10	9	-	-	-	-	30
22	18	16	14	12	11	10	9	-	40

Use the questions below to determine which product is suitable for your installation:

❶ Do you need pumped or unpumped?

Choose pumped if one of the following applies*:

- Water pressure less than 2.0bar
- Water flow less than 12l/min
- Highest outlet is 2nd floor or above

❷ How many outlets do you want to run at once?

Calculate the flow rate per minute of the outlets you want to run at once using our flow rate guide on the opposite page.

Choose the relevant column on the grid above to see what products are suitable. We recommend at least 9 minutes of water for a shower.

Still not sure which product to choose? Try our new product selector software to help find the correct product www.salamanderpumps.co.uk/product-selector

❸ Is your heating system a combi boiler or unvented?

- All options are suitable for a combi boiler.
- Choose a 300L or 450L model if unvented.

❹ What space do you have available?

If space is limited, you may need to reduce the size of model you choose, this will mean running fewer outlets simultaneously. Smaller models will still improve water flow.

Flow rate guide

Outlet	Estimate flow rate (L/min)
Standard shower head (less than 150mm)	12
Large shower head (more than 150mm)	15
Electric shower	9
Drench shower head	25
Shower with body jets	+8
Bath	15
Tap	8

*These products may not be suitable for a restrictive mains or a lead mains supply, contact us 0191 516 2002 for product selection support.

Size and design of pipework in the property may impact on the flow rate.

Added Benefits For our Installers

Product Selection Support

To make specification and installation easy we have a selection of support tools available from our website including:

- Product selection tool, access at www.salamanderpumps.co.uk/product-selector
- Site survey forms
- Product information

You can also receive product selection support from our technical support hotline, call us on 0191 516 2002.

Training & Events

Our new online learning tool, Salamander eSchool, offers a host of helpful training modules, featuring games, interactive imagery and animated technical videos.

The Salamander e-School helps installers, college students and merchants learn more about our products, their applications and best practices for installation.

Access the eSchool at salamandereschool.co.uk



Plumbers Network

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

Simply register on our eSchool and complete our training modules. Your details will be added onto our installer map on our website.

See the map at salamanderpumps.co.uk/wheretobuy

Loyalty Scheme

Join our installer hub and register every Salamander product you install to earn points towards vouchers for Amazon, Marks and Spencer or Love2Shop.

Points range between 10 to 40 points for each product depending on the model:

50 points = £25 voucher
100 points = £50 voucher

10	CT Xtra
20	CT Bathroom CombiBoost
25	Right Pump (positive)
30	CT Force (positive) HomeBoost
40	CT Force (universal) Right Pump (universal) EVE AccuBoost

Customer Service Salamander Pumps PumpWise

PumpWise
0191 516 2002

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 product you need, help you with a tricky installation, register your product for warranties and fix most product issues over the phone.

So if you have any questions or queries about our products call us on 0191 516 2002 or email tech@salamanderpumps.co.uk.

Before Installation

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

During Installation

If your installation isn't straightforward or if you have any queries as to how best to install our products, PumpWise is on hand to give technical support. Just give us a call from your site using the contact details below and we can talk you through the installation.

After Installation

Warranty registration is available on our website. On the rare occasion that there is a problem after installation, PumpWise can try and resolve your issue over the telephone. If that's not possible, they will arrange for an engineer to visit.

For support contact us via the following.



Web: www.salamanderpumps.co.uk

Tel: 0191 516 2002

Email: accuboot@salamanderpumps.co.uk | tech@salamanderpumps.co.uk



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