

Pump installation and warranty guide for the Right Pump range



This document should be given to the end user and retained for future reference. Should you need to contact Salamander Pumps you will need the below information.



Pump installation and warranty guide for the Right Pump Range

Important - read this first!

Correct installation is the guarantee of safety and a trouble free system. It is therefore important to read these instructions thoroughly and ensure you comply with them. Incorrect fitting can invalidate the warranty.

If you have any questions or if your installation is complicated please CONSULT THE PUMPWISE HELPLINE IMMEDIATELY ON 0191 516 2002

We encourage installers to consult the PumpWise helpline, where our representatives can give you first-rate advice regarding installation.

The back cover explains the methods to register your pump for the 3 year warranty.

Please leave this installation guide with the customer for reference to maintenance, safety information and details of warranty cover.

Thank you for choosing Salamander Pumps

Safety in Operation

These appliances can be used by children older than 3 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.

Children should be supervised to ensure that they do not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision. Always disconnect the appliance from the supply before assembling, disassembling or cleaning.

If the supply cord is damaged, it must be replaced by the manufacturer, it's service agent, or similarly qualified person in order to avoid a hazard.

The installation must be carried out to comply with the latest Water Supply Regulations, Wiring/ Electrical Regulations, Building Regulations and local byelaws.

Correct installation is the guarantee of safety and a trouble free system. It is therefore important to read these instructions thoroughly and ensure you comply with them. Incorrect fitting could cause serious injury, death, property damage and invalidate the warranty.



Scan QR to find out more about avoiding some common installation pitfalls

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Pre-Installation Checklist

Our pre-installation guidelines are detailed on the following pages, but some of the key “do’s and don’t s” are highlighted below:

Do’s

- Locate the pump next to the hot water cylinder or within 5 metres of measured pipe - 2m MAX of 15mm pipe on inlet connections
- Ensure 100mm on all sides for ventilation
- Ensure pump is protected from frost
- If servicing two or more bathrooms, cold water supply to the cylinder should be ideally in 28mm pipework
- Ensure adequate usable cold water storage - 227 Litres (50 Gal.) per bathroom and 136 Litres (30 Gal.) per en-suite or shower
- Cold water supplies to the pump must be taken from the opposite side of the cold water storage cistern to the cold water mains inlet
- Multiple cold water storage cisterns must be linked to current regulations with their bases level
- Hot water supply to the pump must be via a Salamander approved anti-aeration flange
- Always use an Essex Flange where there is less than 1m between the top of the hot water cylinder and base of the cold water cistern
- AV couplers must only be finger tight plus one quarter turn
- The maximum static head should be 10m (equivalent to 100kPa/1.0 bar pressure) - only exception are the RP50TU and the RP55SU which is in 5m (equivalent to 50kPa/0.5 bar pressure)
- We recommend the pump is activated for at least 5 minutes every 4 weeks to exercise all moving parts

Don’ts

- Never fit the pump to the cold water mains
- Never fit the pump to communal risers or cold water storage cisterns
- Never use a shared water supply or shared cold water cistern
- Never put a non-return valve (NRV), inverted loop, restrictive ballofix or an air vent on supply pipe work to the pump
- The hot water supply must not exceed 65°C
- Never twist the anti-vibration (AV) couplers or bend more than 35°
- Never use mechanical tools to tighten plastic coupler nuts as this may cause damage and invalidate your warranty
- Never use jointing compounds, Boss White, Hemp or steel wool
- Solder fluxes must not come into contact with the pump or AV couplers
- Never install in a bathroom unless in an enclosed space and access is only possible with an appropriate tool
- Never pump directly to or from any pump such as a secondary return pump or boosted shower
- Never connect to a secondary return tapping on a hot water cylinder without the use of dip tube into the cylinder
- Never fit to a Primatic cylinder, Andrews type water heater, Elson Tank or Fortic type cylinder
- It is not recommended to pump hot water against cold mains water with a positive head pump

Please follow these installation instructions carefully. Failure to install your pump in accordance with these instructions will invalidate your warranty.

1. Location of the pump

The best location for the pump is at the base of the cylinder. Where it is not physically possible to locate the pump next to the cylinder, the pipe run from the hot water cylinder to the pump must not exceed 5m, ideally in 22mm with no more than 2m of 15mm pipe to supply the pump.

1.1 Cooling and ventilation

The pump should be placed in a position where there is an adequate air flow to cool the motor and separated from any other appliances that generate heat. It should be installed in a clear space allowing 100mm additional space at each side, the ends and top of the pump.

1.2 Frost protection

Loft mounted pumps must be protected from frost damage.

2. Hot and cold supplies to the pump

Never fit the pump directly to the cold water mains.

Never fit to communal risers (e.g. block of flats) or secondary circuits that are pumped.

The pump must be fed by exclusive hot and cold water supplies (i.e. not shared with other services).

The hot supply pipework to the pump should be a maximum length of 5 metres in 22mm pipe (where unavoidable, hot and cold supplies may have maximum 2 metres of 15mm pipe).

All up and over pipe work must be vented at the highest point on the outlet of the pump and a non-return valve (NRV) may require fitting to the hot outlet only (Note: this is only for the RP50TU and RP55SU).

2.1 For pumps positioned above the hot outlet, hot water cylinder or in a loft

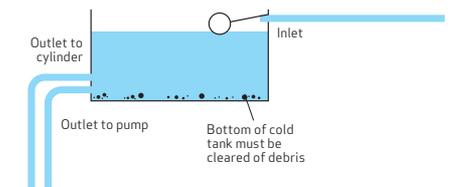
Where the pump is located above the hot water cylinder, it must be a minimum of 600mm below the cold water cistern. The best connection is a No-Stop Essex Flange in 22mm with an Anti-Gravity Loop (AGL) of 400mm (Figure 7). Alternatively, a top entry flange may be used. If aeration causes an issue, it may become a requirement to use an Essex Flange.

2.2 Cold water storage

Ensure that the cold water storage capacity is adequate for all of the household requirements (minimum 50 gallons/227 Litres per bathroom, 80 gallons/385 Litres for one bathroom and one en-suite shower room).

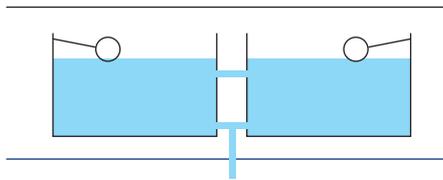
Ensure the cold water supplies to the cylinder and the pump are taken from the opposite side of the cold water storage tank from the cold mains inlet.

Figure 1: Tank inlet and outlet position



Multiple cold water storage (CWS) tanks must be linked top and bottom in 28mm pipework and fitted with float operated valves in all tanks. Always link to comply with the Water Supply (Water Fittings) Regulations 1999.

Figure 2: Linked cold water tanks



2.3 Hot water requirements

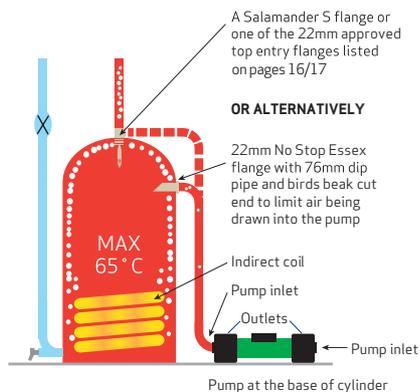
The stored hot water temperature must not exceed 65°C (see page 18, Stored hot water temperature).

The hot water supply to the pump must be via a Salamander approved method:

The best hot connection from the cylinder is either

- A 3/4" No-Stop Essex Flange. See Figure 3 or
- A Salamander S flange or other approved top entry flanges. See page 16/17.

Figure 3: Hot water supply method



3. Anti-vibration couplers (Hoses)

The anti-vibration (AV) couplers are designed to limit the transfer of pump vibration to the associated pipe work. All Salamander AV couplers are 3/4" BSP x 22mm push fit with built-in isolating valves. Note: the RP50PT is supplied with 15mm couplers with isolating valves on the inlets and outlets.

Figure 4: Isolating valves

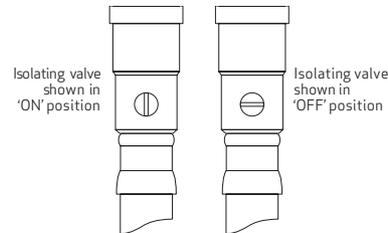
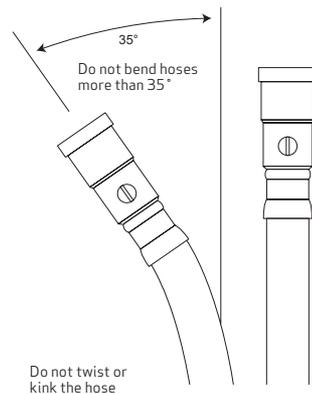


Figure 5: Couplers



Ideally the AV couplers should be straight, but they must NOT be twisted or bent more than 35° (this invalidates the warranty). See Figure 5 above.

Single pumps are designed to boost hot or cold water - supplied with x1 angled, inlet hose and x1 straight, outlet hose

Twin pumps are designed to boost hot and cold water - supplied with x2 angled, inlet hoses and x2 straight, outlet hoses

Straight hoses must be used on the outlets.

Hoses should not be over tightened or be tightened with mechanical tools.

4 General plumbing

The installation must comply with the relevant requirements and local by-laws.

The pump MUST be mounted upright (shaft horizontal, not screwed down).

Jointing compounds, Boss White, hemp or steel wool MUST NOT be used. Solder fluxes must not come into contact with the pump or AV couplers.

The maximum static head should be 10m (equivalent to 100kPa/1.0 bar pressure) with the exception of the RP50TU & RP55U where the maximum static head should be 5m (equivalent to 50kPa/0.5bar pressure)

The plumbing installation must comply with "The Water Supply (Water Fittings)

Regulations 1999" and "BS EN 806-4:2010" buildings regulations.

5 Electrical requirements

The pump must be connected to the electrical supply using the mains cable with the attached plug. This plug must be connected to an accessible socket that has been installed in compliance with BS 7671

(I.E.T. Wiring Regulations). The plug must be accessible at all times.

The pump must not be installed in a bathroom unless it is installed in an enclosed space accessible only with the use of a tool.

If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified person in order to avoid a hazard.

Higher rated fuses must NOT be used. Fuses should be as per the table below:

Pump	Fuse
RP50PT	3 amp
RP75PT and RP100PT	5 amp
RP55SU, RP80SU, RP120SU and RP50TU	3 amp
RP75TU and RP100TU	5 amp

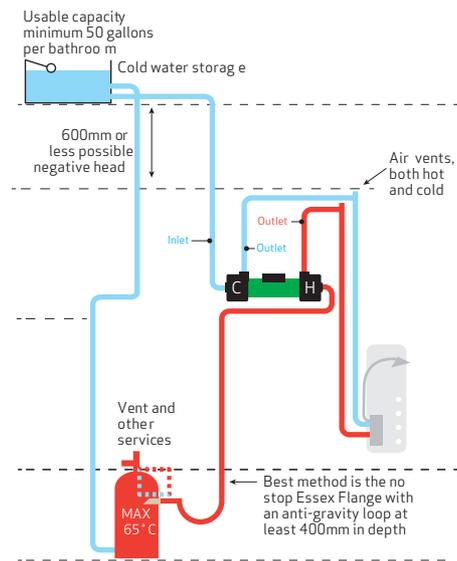


Scan QR to learn more

Typical Installations Right Pump Universal

Right pump universal to shower columns or steam shower cabinets

Figure 9: Right pump universal to a shower column



Right pump universal to a shower cabinet.

Shower columns and steam shower cabinets in larger whole house systems or systems with multiple bathrooms will be best served by two single-ended Right pump universal.

Single-ended Right pump universal

The following systems are best accommodated by using a single-ended Right pump universal which is complete with a pressure vessel.

Right pump universal to boost tank fed supplies to instantaneous electric showers and water heaters.

Figure 10: Instantaneous electric showers and water heaters

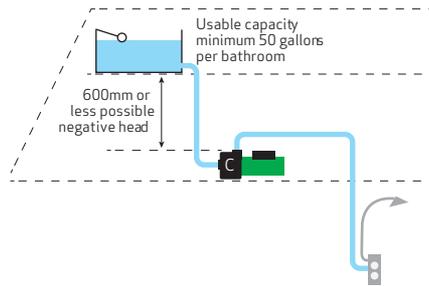
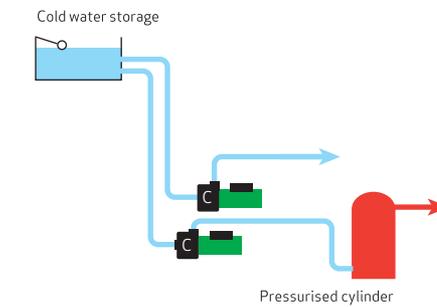


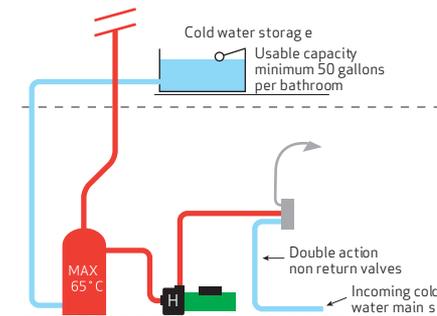
Figure 11: Pressurised cylinder or Combination boiler system



Tank fed (hot) with cold water mains systems **MUST** use Right pump universal.

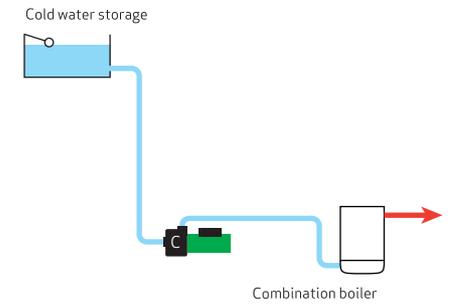
Never use a single-ended Right Universal pump after the shower valve or before an open outlet.

Figure 12: Tank fed (hot) with mains cold



Please note, mains fed systems require the use of a break tank, however, for a more suitable alternative, please see the Salamander MainsBoosting range.

Figure 13: Typical combi boiler system



Commissioning

Before you finish

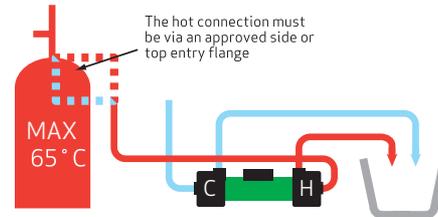
FOR RIGHT PUMP UNIVERSALS, ENSURE THAT THE PRESSURE VESSEL IS FITTED TO THE BRASS CONNECTION ON THE TOP OF THE PUMP WITH THE ½" RUBBER WASHER AND IS HAND TIGHT.

- Flush inlet pipework and carefully fill pump with water by discharging water from the outlet flexible coupler into a container.
- Fit pump inlet filters.

It is CRITICAL to discharge water through the pump into a container using natural flow before connecting the pump to outlet pipework in order to ensure the air has been discharged from inlet pipework and pump chambers. This will not happen if the outlet pipework is connected to the pump. The best method is:-

- Connect discharge pipework.
- Check that all the pump isolating valves are open.
- Fill system. Check for leaks.
- DO NOT RUN PUMP DRY - to do so will cause irreparable damage to your pump and will invalidate your warranty.
- Open shower mixer valve/system outlets to maximum hot and cold to check the natural flow (unpumped) flow of at least 2 litre per minute, individually on hot or cold- positive head systems.
- Open hot water outlets fully for 5 to 6 seconds and then turn outlets off. Then open cold water outlets fully for 5 to 6 seconds and turn outlets off. If flow is poor and inconsistent repeat above steps until flow is steady.
- Repeat 2-3 times.

Figure 14



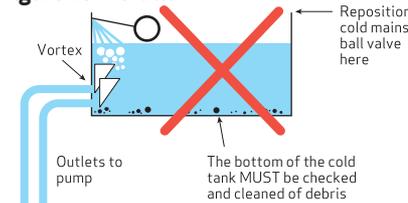
Helpful Pumpwise Guidelines -

Cold Water Supplies and Storage

Aeration of pump and cylinder from a cold water storage tank

This occurs when the incoming cold mains ball valve is positioned above the cold feeds to the cylinder and to the pump - aerated water is drawn into the pump as illustrated.

Figure 15: Aeration



Chronic aeration of the pump occurs when this problem is combined with inadequate storage capacity and/or when the volume of water drawn by the pump and other services exceeds the refill rate and creates a vortex which draws air and possibly debris into the pump.

Cold storage usable capacity

The usable capacity of cold storage is easily calculated as the capacity of water in the cold tank above the cold feeds to the cylinder, the pump and other outlets - see formula.

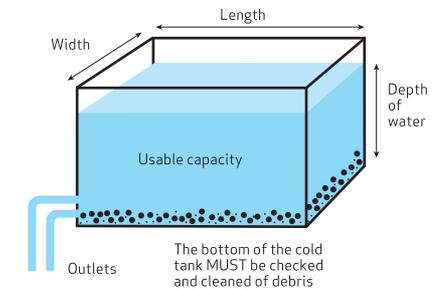
Formula for calculation on rectangular tank:

$$\begin{aligned} & \text{Depth (15") x width (23") x length (36")} \\ & = 12,420 \text{ cu inches} \\ & \text{Volume cu inches (12,420) x 0.01639} \\ & = 203.56 \text{ litres} \\ & \text{Volume litres (203.56) x 0.22} \\ & = 44.78 \text{ gallons.} \end{aligned}$$

Formula for calculation on circular tank:

$$\begin{aligned} & \text{Depth (15") x radius (17") x radius (17")} \\ & \times 3.142 \text{ (Pi)} \\ & = 13,621 \text{ cu inches} \\ & \text{Volume cu inches (13,621) x 0.01639} \\ & = 223 \text{ litres} \\ & \text{Volume litres (223) x 0.22} \\ & = 49 \text{ gallons.} \end{aligned}$$

Figure 16

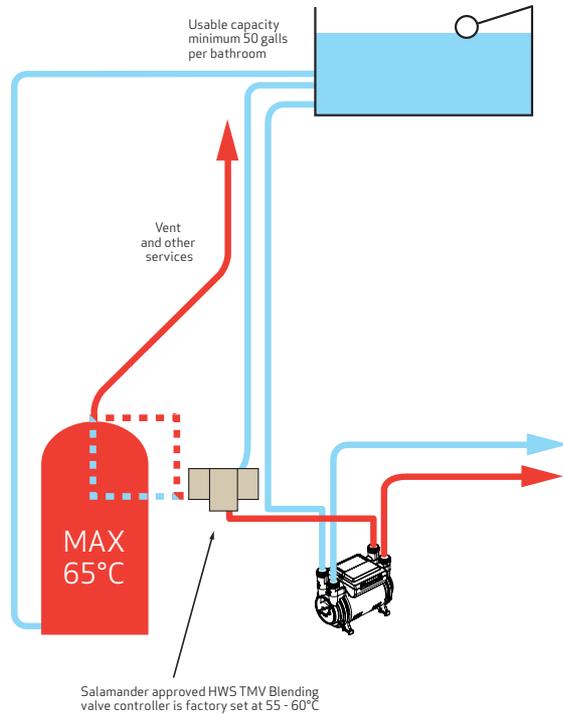


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HWS TMV blending valve controller

A Salamander approved HWS Blending valve controller will protect booster pumps in systems where the temperature of the stored hot water is uncontrolled or crudely controlled via boiler thermostat only – see below.

Figure 17: HWS blending valve controller to pump



Helpful Pumpwise Guidelines -

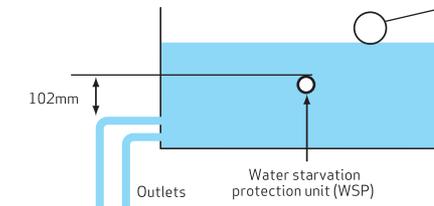
Water Starvation Protection, Pipework Arrangements and Stored Hot Water

Water starvation protection

In systems where it is absolutely not possible to increase the usable cold water storage capacity to meet the increased demand of a pumped system; a water starvation protection unit (WSP) may be considered.

The WSP is a Salamander level switch which must be positioned 102mm higher than the highest outlet from the cold water storage tank. When the water level drops too far the WSP will switch off the pump until the cold water storage level is recovered.

Figure 18: Water starvation protection unit (WSP)

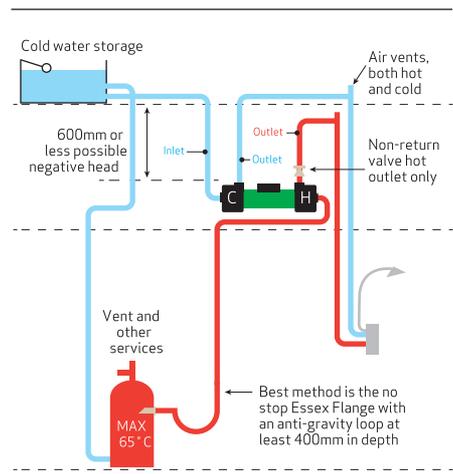


Shower head size and Pressure

The size of a shower head dictates the bar pressure of the pump required to deliver the expected performance of the shower.

Shower head diameter	Bar pressure
Up to 75mm	1.5 bar (150 kPA)
75 - 125mm	2.0 bar (200 kPA)
125 - 150+mm	3.0 bar (250 kPA)

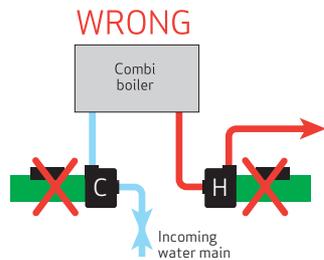
Figure 19: Anti-gravity loop (AGL)



Combi boilers and water heaters

As these appliances are invariably supplied directly from the cold mains - they are not normally suitable for booster pumps. The exceptions are featured on Page 11. However, more suitable alternatives may be found in the Salamander MainsBooster Range.

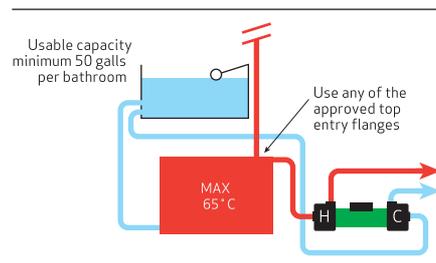
Figure 20: Combi boilers



Horizontal cylinders

As horizontal (torpedo) cylinders are problematic for boosted systems consult PumpWise for guidance and correct use of an approved top entry flange.

Figure 21: Horizontal cylinders



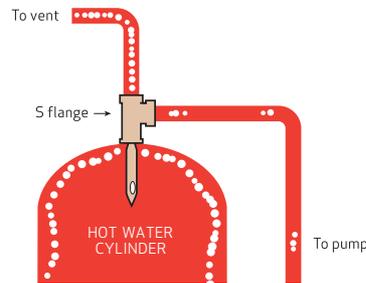
Approved flanges (cylinders)

The 22mm No Stop Essex and the other approved top entry flanges with extension pipes into the cylinder represent the best known means of ensuring minimal aeration of the hot supply water to the pump. The No Stop Essex flange is in all circumstances the best option.

S flange

Complete with compression 'pump' and 'open vent' connections. Also supplied with an adaptor to connect to 1" 'male' and 'female' top entry cylinders.

Figure 22: S flange



York flange

These may be used in systems where the hot water requirement is less than 20 Litres per minute.

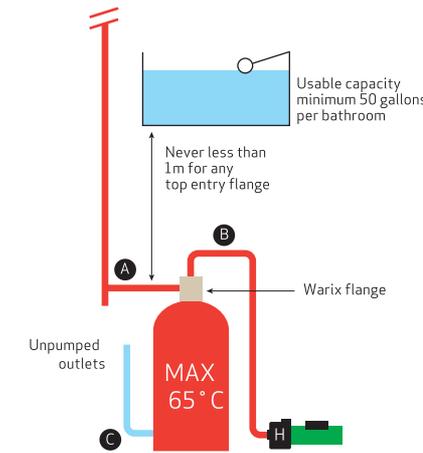
Warix flange see Figure 23

A. The Vent connection MUST be from side in Warix Flange.

B. The supply connection to the pump MUST BE FROM THE TOP of the Warix Flange via a 22mm compression elbow and thereby avoid inverted loops.

C. In systems where there are one bathroom and an en-suite shower. Or two or more bathrooms the cold feed to the cylinder should ideally be in 28mm pipework.

Figure 23: Warix Flange

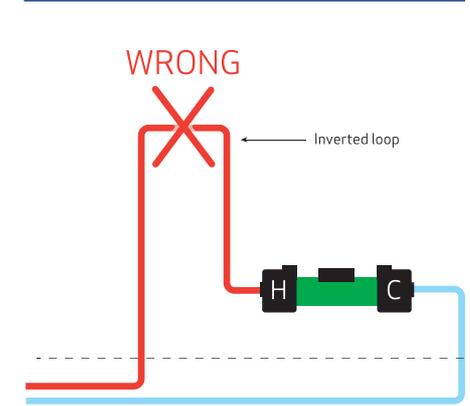


Inverted loops

An inverted loop in the supply pipe-work to the pump, particularly on the hot side as illustrated; is likely to:

- Interfere with the initiation and smooth operation of the pump.
- Restrict the supply water to the pump and risk internal mechanical damage

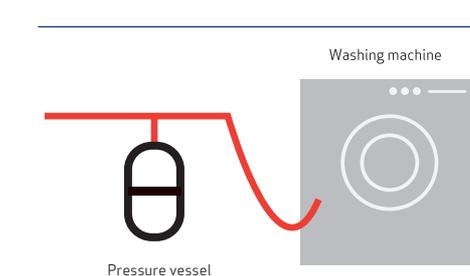
Figure 24: Inverted loops



Water hammer protection

Water hammer most commonly occurs in systems where there are long pipe runs supplying solenoid activated appliances e.g. washing machines or outlets with quick acting/turn taps/valve(s). The harmful effect of water hammer shock waves can be cushioned by fitting a pressure vessel unit, into the supply pipework as close as possible to the outlet from which the shock waves are originating.

Figure 25: Water hammer protection



Pump hunting protection

In negative head systems all the discharge pipework after the pump is pressurised. In such systems there exists the possibility the pump will hunt ON-OFF-ON etc. at intervals.

This will happen:

- If all outlets are not fully closed
- If there is a leak at a connection
- If boosted toilets are not fitted with equilibrium ball valves
- Or as residual hot water contracts in long pipe runs.

The irritating effects of hunting are cushioned by the pressure vessel which is an inbuilt feature of the Right pump universal range.

Stored hot water volume

In calculating the volume of the stored hot water requirement it is important to consider:

- Number of bathrooms, with particular attention to the size of the bath
- Number of persons in household
- Time spent in shower e.g. 10mins in a 5 gall/minute shower will use up 50 galls/227 Litres of the cold water storage capacity approx 60% of which (30 gallons/136 Litres) will be hot water from the cylinder.

Stored hot water temperature

Extract from BS5546:2010 (Current)

"The mean temperature of the stored water should not normally exceed 60°C and in a combined central heating and domestic hot water system it is recommended that the stored water temperature is controlled independently from that on the primary circuit".

Effective control of stored hot water is simply achieved by use of a cylinder thermostat and zone valve or direct acting thermostatic valve (e.g. tapstat).

In systems where the stored hot water temperature is not controlled eg Aga solid fuel appliance or very crudely by the boiler thermostat, use a HWS Blending valve controller.

HWS Blending valve controller

The HWS Blending valve controller is designed to protect booster pumps in systems where the temperature of the stored hot water is uncontrolled. (Figure 17, P14)

General Specifications

Applications

All Salamander pumps are designed to boost low pressure hot and cold supplies from tank-fed services.

Voltage

220-240 volts 50 Hz.

Motor type

Capacitor start and run induction type motor with stainless steel shaft and in-built resetting thermal protection (complies with BS5000 part 11).

Pump materials

All moulded components are manufactured from Acetal Copolymer.

Maximum head

RP 50 TU and RP 55 SU 5 metres

All other pumps 10 metres

Pumps fitted with RCM3 maximum 3 metres static head.

Pump noise

With the technological advances achieved in the Right pump range, Salamander has taken another step forward in the quest to supply all our customers with even quieter centrifugal pumps. Despite this no pump is completely silent.

Correct installation will minimise vibration and transmission noise.

WRAS Approval

Salamander Pumps' Right Pump range is fully WRAS approved.

Mechanical seals

Scale deposits in water supplies can cause the mechanical seal to stick if left for long periods without use. We recommend the Right pump positive is ran at least five minutes every four weeks to 'exercise' all working parts.

Connections

3/4" BSP male.

Initiation

Fully automatic, flow switch operated, requiring 1 litre in 30 sec per side or

2 litre in 30 sec mixed, except the Right pump universal range when required to operate in negative head mode.

Temperature

Maximum fluid temperature 65°C.
Minimum fluid temperature 5°C.

Standards and approvals

Splash proof rating IPX3.

Complies with the requirements of current UK Regulations (UKCA) and European Community Directives (CE) safety standards for household and similar electrical appliances.

The company operates a policy of continuous development and reserves the right to change any of the specifications of its products without prior notice. All information data and illustrations given in this leaflet may be subject to variation.

Pump Model		RP50PT	RP75PT	RP100PT
General	Guarantee	3 Years		
Features	Pump Type	Centrifugal		
	Mechanical Seal	PTFE/EDPM Rubber/Aluminium Oxide		
	Inlet Isolator(s)	✓	✓	✓
	Flexible Hoses	4	4	4
Performance	Pressure @ 16lpm (8lpm for singles)	1.2 Bar	1.9 Bar	2.65 Bar
	Pressure @ 8lpm (4lpm for singles)	1.35 Bar	2.1 Bar	2.85 Bar
	Pressure @ Closed head	1.5 Bar	2.2 Bar	3.0 Bar
	Maximum Water Temperature	65°C		
Connections	Pump Connections	3/4" BSP		
Flexible hoses	Connections (UK Model) Isolating valves on all hoses	3/4" Female x 15mm Push-Fit	3/4" Female x 22mm Push-Fit	
Motor	Type	A.C Induction Motor		
	Duty Rating	Continuously Rated		
Electrical	Power supply	230 V		
	Current (full load)	1.40 Amps	2.70 Amps	4.60 Amps
	Power consumption	325 Watts	630 Watts	1045 Watts
	Fuse rating	3 Amps	5 Amps	
	Power cable (pre-wired)	1.5 metres		
Physical	Enclosed Protection (IP Rating)	IPX3		
	Length	270mm	331mm	415mm
	Width	148mm		
	Height (Excluding hoses)	161mm		170mm
	Weight (Excluding hoses)	4.82kg	6.03kg	9.06kg

Pump Model		RP50TU	RP75TU	RP100TU	RP55SU	RP80SU	RP120SU
General	Guarantee	3 Years					
Features	Pump Type	Centrifugal					
	Mechanical Seal	PTFE/EDPM Rubber/Aluminium Oxide					
	Inlet Isolator(s)	✓	✓	✓	✓	✓	✓
	Flexible Hoses	4	4	4	2	2	2
Performance	Pressure @ 16lpm (8lpm for singles)	1.2 Bar	1.9 Bar	2.65 Bar	1.3 Bar	2.1 Bar	3.15 Bar
	Pressure @ 8lpm (4lpm for singles)	1.35 Bar	2.1 Bar	2.85 Bar	1.4 Bar	2.3 Bar	3.4 Bar
	Pressure @ Closed head	1.5 Bar	2.2 Bar	3.0 Bar	1.5 Bar	2.4 Bar	3.6 Bar
	Maximum Water Temperature	65°C					
	Pressure Vessel Air Pre-Charge	18 psi	28psi	32 psi	18 psi	28psi	32 psi
Connections	Pump Connections	3/4" BSP					
Flexible hoses	Connections (UK Model) Isolating valves on all hoses	3/4" Female x 22mm Push-Fit x 280mm long					
Motor	Type	A.C Induction Motor					
	Duty Rating	Continuously Rated					
Electrical	Power supply	230 V					
	Current (full load)	1.40 Amps	2.70 Amps	4.60 Amps	1.10 Amps	1.75 Amps	2.40 Amps
	Power consumption	325 Watts	630 Watts	1045 Watts	245 Watts	400 Watts	565 Watts
	Fuse rating	3 Amps	5 Amps		3 Amps		
	Power cable (pre-wired)	1.5 metres					
Physical	Enclosed Protection (IP Rating)	IPX3					
	Length	270mm	331mm	415mm	249mm	273mm	297mm
	Width	148mm					
	Height (Excluding Hoses)	317mm (RP100 335mm)					
	Weight (Excluding Hoses)	5.56kg	6.75kg	9.91kg	6.36kg	6.69kg	7.03kg

Troubleshooting

Fault	Probable cause	Recommended solution
Pump will not start	Electrical	Check power supply Check fuse Check circuit breaker
	Inlet/outlet connections incorrect	Check that connections are plumbed the correct way round and all valves are open
	Insufficient gravity flow	Check that installation complies with Salamander instructions Check suitability of pump - is installation in negative head Check inlet filters are not blocked Check flow rate min of 2l/min required on both hot and cold
	Float sticking in outlet	Ensure no debris is in outlet area
	Flow switch malfunction	Contact PumpWise on 0191 5162002
Pump above hot water cylinder and becomes noisy/ low pressure during use	Aeration or water starvation	An Essex Flange with AGL may be required for the cylinder connection Ensure pump is a minimum of 600mm below the cold water tank

Fault	Probable cause	Recommended solution
Reduced/ intermittent flow	Incorrect or no anti-aeration flange fitted	Check that installation complies with Salamander instructions
	Insufficient gravity flow	See above
	Blocked inlet filters	Ensure that all filters and shower head are free from debris
	Couplers restricting flow	Ensure that all AV couplers are straight and not bent or distorted
	Air in system	Run system on full hot with pump switched off (i.e. gravity only) for several minutes Check cold water storage is correct for installation and pump is fitted to Salamander instructions Ensure cold water refill rate is adequate for installation Check that vents are fitted as described in instructions
	Wrong size pump for system	Ensure pump is sufficient to run the equipment
	Hot temp set too high	Reduce cylinder stat setting to 65°C max or fit HWS/TMV
	Pump starts with all outlets closed	Leak in system
Outlet open		Ensure all outlets are fully closed or capped - i.e. no dead legs in pipework
Pump is noisy	Air in system	See above
	Pump vibrating on surface	Ensure rubber feet are fitted to pump
	AV couplers causing vibration	Ensure that all AV couplers are straight and not bent or distorted
Pump is leaking	Pump exposed to mains water pressure	Check that installation complies with Salamander instructions
	Pump has suffered chemical damage	Ensure that the pump has not come into contact with chemical substance i.e. solder flux
	Pump exposed to excessive temperature	Is effective temp control fitted (cylinder stat or HWS/TMV valve)?
	Pump appears to have leaked but not sure	Check leak is not from fitting in pipework above pump

PumpWise and Warranty

Monday to Thursday 8.30am to 4.30pm Friday
8.30am to 2.30pm.

PumpWise is the cornerstone of Salamander's support service to customers and the means by which our customers are guaranteed:

- Selection of the right pump for the job

With more than 30 pumps in our range, the PumpWise team can help you to choose the pump that's most suitable to your specific installation

- The avoidance of installation pitfalls

Due to the technical nature of our products, it is essential that they are fitted according to our installation guidelines. The PumpWise team are available to talk through any installation questions and provide technical support and guidance.

Our PumpWise commitment

Our PumpWise helpline is here to help you and we aim to provide a support service second to none. Installers and customers can be sure of a speedy response to requests for technical help, guidance and advice.

Your warranty

Salamander customers benefit from a full three year warranty on the Right pump range. This warranty will operate from the date of purchase and is subject to the installation guidelines being followed correctly (please refer to our Pre-Installation Checklist, on page 2 and our Commissioning Checklist, on page 11).

For a standard 3 year warranty please complete the online warranty form at www.salamanderpumps.co.uk.

Extended warranties

In addition to the three year warranty available free of charge following the successful installation of your pump, there is an optional Extended Warranty Scheme (UK only). The Extended Warranty Scheme exists to protect customers from any unexpected or unforeseen pump breakdowns. Participation in the Extended Warranty Scheme is activated by completion of an Extended Warranty

Application Form and the payment of a nominal fee.

For further details please contact the PumpWise team:

Telephone: 0191 516 2002

Fax: 0191 548 4445

Email: tech@salamanderpumps.co.uk

PLEASE NOTE: Incorrect installation may invalidate the pump warranty.

Please read the full terms and conditions opposite.

Salamander Pumps operates a policy of continuous development and reserves the right to change any of the specifications of its products without prior notice. All information, data, and illustrations given in this leaflet may be subject to variation.

To the installer

Please follow the guidelines for installation provided in this brochure and call the PumpWise helpline for installation advice.

Once installation has been completed and the system has been tested to your satisfaction, please assist the customer in Warranty registration online at www.salamanderpumps.co.uk or by phone on 0191 516 2002

Terms, conditions and warranty

1. The Scope of the Warranty

SALAMANDER PUMPED SHOWER SYSTEMS LTD ("the company") Warrants subject to the terms and conditions below for the Warranty period(s) specified in paragraph 3 that the Company shall:

Repair or replace free of charge the product(s) specified on the Online warranty form or any component part thereof (together referred to as "the equipment") which shall in the opinion of the Company have proved defective by reason only of the Company's materials or workmanship providing always that the Company shall be under no obligation whatsoever under this Warranty to repair or replace equipment which have been misused, tampered with, modified/alterd in any way without the consent in writing of the Company or if any component or accessory shall have been replaced by a type not specified by the Company or if the equipment is incorrectly installed or operated or used other than as described in the instruction manual or if any servicing or repair of the equipment shall have been carried out otherwise than by an authorised Company dealer appointed by the Company ("dealer").

The Company's liability under this Warranty is limited to the said repairs or replacement and shall under no circumstances extend to any financial loss or damage including consequential losses alleged to have been suffered by the claimant.

Subject as provided in this warranty and except where the equipment is sold to a person dealing as a consumer all warranties, conditions or other terms implied by law are excluded to the fullest extent permitted by law.

Nothing in this warranty shall exclude liability for death or personal injury caused by the Company's negligence

2. Terms and conditions

This Warranty shall only be enforceable by you if the following terms and conditions have been complied with:

- a. That the pump has been installed in accordance with the installation instructions, guidance and advice contained within the installation and warranty guide and/or provided by the Salamander help desk.
- b. You are the original purchaser of the equipment from a dealer and not an assignee or subsequent purchaser of the equipment.
- c. You must evidence the date of purchase by retaining the original invoice from the dealer. Without such evidence the Company reserves the right to reject any such claims under the terms of this Warranty.
- d. Within 15 days of delivery of the equipment to you the Warranty is accurately completed online or by phone.
- e. Within 30 days of discovery of a defect giving rise to liability under paragraph 1 above you give notice thereof in writing to the Company.
- f. Provided the pump has not been altered, tampered with, modified or transformed in any way.

3. The Warranty periods

The Warranty periods referred to in paragraph 1 above are as follows:

- a. Products manufactured by the Company 3 years from date of purchase provided the warranty is completed online or by phone within 15 days of purchase.

b. Products supplied by the company, but are not of the company's manufacture come with 30 day warranty from date of purchase. Anti-Vibration Couplers (hoses) come with 1 year from date of purchase.

c. The warranty period in respect of any product repaired or replaced under the warranty shall be part of the above period(s) which remain unexpired.

d. In the event of a claim for repairs or replacement being made under the terms of this Warranty, a visit from a Salamander service engineer may be necessary. Engineer visits are not covered under/part of the warranty agreement. In circumstances where in the opinion of the Company the defect has not been caused by the Company's materials or workmanship, then the Company reserves the right to charge the claimant at its current hourly rates and list prices in respect of any service engineer's time and replacement of any parts. Please speak to our Technical Support team for further details and confirmation of costs.

e. This Warranty is given in addition to and does not affect your statutory rights as a consumer.

f. This Warranty is valid and enforceable for equipment purchased and used exclusively within the UK and the Republic of Ireland only.

g. Where the Company issues a replacement the equipment replaced shall be returned to the Company forthwith and shall become the property of the Company.

h. No authority has been given to any person, firm or company to vary the terms of this Warranty.

Disposal Instructions - WEEE Directive

Your appliance contains valuable materials that could be recovered or recycled. At the end of the product's useful life, please dispose of it at an appropriate civil waste collection point.



WEEE Directive 2012/19/EU

At the end of the product life dispose of packaging and product in a corresponding recycling centre.

Do not dispose of the unit with the usual domestic refuse. Do not burn the product.

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

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



Register your warranty

Apply online at:

www.salamanderpumps.co.uk

Apply by phone:

0191 516 2002

