

TRITON

***T80si
pumped
electric shower***



**Installation and
operating
instructions**

INSTALLERS PLEASE NOTE THESE INSTRUCTIONS ARE TO BE LEFT WITH THE USER

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Guarantee, service policy, etc.	rear cover

To check the product suitability for commercial and multiple installations, please contact Triton's specification advisory service before installation.

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E mail: technical@triton.plc.uk

PLEASE READ THIS IMPORTANT SAFETY INFORMATION

- ◆ Products manufactured by Triton are safe and without risk provided they are installed, used and maintained in good working order in accordance with our instructions and recommendations.
- ◆ **WARNING: DO NOT operate shower if frozen, or suspected of being frozen. It must thaw out before using.**
- ◆ Do not operate the unit if the showerhead or spray hose becomes damaged.
- ◆ Do not restrict flow out of shower by placing showerhead in direct contact with your body.
- ◆ Do not operate the shower if water ceases to flow during use or if water has entered inside the unit because of an incorrectly fitted cover.
- ◆ **WARNING: If restarting the shower immediately after stopping, be aware that a slug of hot water will be expelled for the first few seconds.**

1 GENERAL

- 1.1** Isolate the electrical and water supplies before removing the cover.
- 1.2** Read all of these instructions and retain them for later use.
- 1.3** DO NOT take risks with plumbing or electrical equipment.
- 1.4** Isolate electrical and water supplies before proceeding with the installation.
- 1.5** The unit must be mounted onto the finished wall surface (on top of the tiles). Do not tile up to unit after fixing to wall.
- 1.6** Contact Customer Service (*see back page*), if any of the following occur:
- a)** If it is intended to operate the shower at pressures above the maximum or below the minimum stated.
- b)** If the unit shows a distinct change in performance.
- c)** If the shower is frozen.
- 1.7** If it is intended to operate the shower in areas of hard water (above 200 ppm temporary hardness), a scale inhibitor may have to be fitted. For advice on the Triton Scale Inhibitor, contact Triton Customer Service.
- 1.8** The showerhead must be cleaned regularly with descalent to remove scale and debris, otherwise restrictions to the flow on the outlet of the unit will result in higher temperatures and could also cause the Pressure Relief Device in the unit to operate.
- 1.9** This product is not suitable for mounting into steam rooms or steam cubicles.

2 PLUMBING

- 2.1** The plumbing installation must comply with Water Regulations, Building Regulations or any particular regulations as specified by Local Water Company or Water Undertakers and should be in accordance with BS 6700.
- 2.2** The supply pipe must be flushed to clear debris before connecting to the shower unit.
- 2.3** DO NOT solder pipes or fittings within

300 mm of the shower unit, as heat can transfer along the pipework and damage components.

- 2.4** DO NOT fit any form of outlet flow control as the outlet acts as a vent for the heater can.
- 2.5** DO NOT use excessive force when making connections to the flexible hose or showerhead, finger tight is sufficient.
- 2.6** All plumbing connections must be completed before making the electrical connections.

3 ELECTRICAL

- 3.1** The installation must comply with BS 7671 'Requirements for electrical installations' (IEE wiring regulations), building regulations or any particular regulations as specified by the local Electrical Supply Company.
- 3.2** This appliance **MUST** be earthed.
- 3.3** In accordance with 'The Plugs and Sockets etc. (Safety) Regulations 1994', this appliance is intended to be permanently connected to the fixed wiring of the electrical mains system.
- 3.4** Make sure all electrical connections are tight to prevent overheating.
- 3.5** Fuses do not give personal protection against electric shock.
- 3.6** To enhance electrical safety a 30mA residual current device (RCD) should be installed in all UK electric and pumped shower circuits. This may be part of the consumer unit or a separate unit.
- 3.7** Switch off immediately at isolating switch if water ceases to flow during use.
- 3.8** Other electrical equipment i.e. extractor fans, pumps must not be connected to the circuits within the unit.
- 3.9** Switch off at isolating switch when not in use. This is a safety procedure recommended with all electrical appliances.
- 3.10** As with all electrical appliances it is recommended to have the shower and installation checked at least every two years by a competent electrician to ensure there is no deterioration due to age and usage.

INTRODUCTION

This book contains all the necessary fitting and operating instructions for your Triton pumped electric shower. Please read them carefully and keep for future reference.

The shower installation must be carried out by a competent person and in the sequence of this instruction book.

DO NOT attempt any electrical or plumbing work necessary to install this product unless you have good practical experience and adequate understanding of the IEE regulations and water regulations

Care taken during the installation will ensure a long, trouble-free life from your shower.

SPECIFICATIONS

Electrical

Nominal power rating at 240V	Nominal power rating at 230V
8.5kW – (40A MCB rating)	7.8kW – (40A MCB rating)
9.5kW – (40A MCB rating)	8.7kW – (40A MCB rating)

Water

Inlet connection – 15 mm diameter.

Outlet connection – ½" BSP male thread.

Entry Points

Water and cable – bottom, top or back.

Materials

Backplate, cover, controls, showerhead – ABS.

Sprayplate – Acetal.

Elements – Minerally insulated corrosion resistant metal sheathing.

Dimensions

Height – 365 mm

Width – 245 mm

Depth – 104 mm

Standards and Approvals

Splashproof rating IPX4.

Complies with the requirements of current British and European safety standards for household and similar electrical appliances.

Complies with requirements of the British Electrotechnical Approvals Board (BEAB).

Meets with Compliance with European Community Directives (CE).

ADVICE TO USERS

IMPORTANT: When first installed the unit will be empty. It is essential the unit should contain water before the elements are switched on. It is vital that the commissioning procedure is followed. Failure to carry out this operation will result in damage to the unit and will invalidate the guarantee.

The following points will help you understand how the shower operates:

- a. The electric heating elements operate at a constant rate at your chosen power setting. It is the flow rate of the water passing through the heater unit which determines the shower temperature at any given setting. (The slower the flow the hotter the water becomes, and the faster the flow the cooler the water).
- b. During the winter the cold water supply will be cooler than in the summer months. Therefore, the temperature of the water will vary from season to season on any one setting of the temperature control, e.g. if you have chosen 'medium' power for your preferred shower temperature in the summer, you may have to increase that to 'full' power during the winter months.
- c. If for any reason there is a sudden rise in water temperature, the shower has thermal cut-out devices built-in (see items 3 and 4 under 'Fault Finding').
- d. If water ceases to flow switch off the shower at the start/stop button and the isolating switch. Contact Triton Customer Service for advice.

If ever the water becomes too hot and you cannot obtain cooler water, first check that the sprayplate in the showerhead is not blocked.

DO NOT place items such as soap or shampoo bottles on top of the unit. Liquid could seep through the joint between the cover and backplate, and possibly damage the sealing rubber.

Due to continuous improvement and updating, specification may be altered without prior notice. Replacement parts can be ordered from Customer Service. See 'spare parts' for details and part numbers.

MAIN COMPONENTS

TRITON Shepperton Park,
Triton Road, Nuneaton,
Warwickshire, CV11 4NR

MODEL
230-240V ~

MAX. PRESSURE

MIN. PRESSURE

RATED PRESSURE
MODEL No. 00000000
SERIAL No. 00000000

IPX4 **BEAB**
Approved

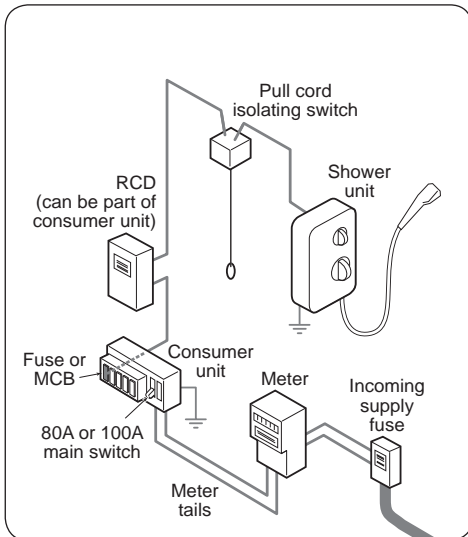


Table A

installed, to conform to current IEE regulations.

- 5.1** All exposed metallic parts in the bathroom must be bonded together using a cable of at least 4 mm² cross sectional area. These parts include metal baths, radiators, water pipes, taps and waste fittings.
- 6** For close circuit protection DO NOT use a rewirable fuse. Instead use a suitably rated Miniature Circuit Breaker (MCB) or cartridge fuse (**see Table A**).
- 6.1** In the interest of electrical safety a 30mA residual current device (RCD) should be installed in all UK electric and pumped shower circuits. This may be part of the consumer unit or a separate unit.
- 7** A 45 amp double pole isolating switch with a minimum contact gap of 3 mm in both poles must be incorporated in the circuit.
- 7.1** It must have a mechanical indicator showing when the switch is in the OFF position, and the wiring must be connected to the switch without the use of a plug or socket outlet.
- 7.2** The switch must be accessible and clearly identifiable, but out of reach of a person using a fixed bath or shower, except for the cord of a cord operated switch, and

should be placed so that it is not possible to touch the switch body while standing in a bath or shower cubicle. It should be readily accessible to switch off after using the shower.

- 8** Where shower cubicles are located in any rooms other than bathrooms, all socket outlets in those rooms must be protected by a 30mA RCD.
- 9** The current carrying capacity of the cable must be at least that of the shower circuit protection (**see Table B**).
- 9.1** To obtain full advantage of the power provided by the shower, use the shortest cable route possible from the consumer unit to the shower.
- 9.2** It is also necessary to satisfy the disconnection time and thermal constraints which means that for any given combination of current demand, voltage drop and cable size, there is a maximum permissible circuit length.
- 10** The shower circuit should be separated from other circuits by at least twice the diameter of the cable or conduit.
- 10.1** The current rating will be reduced if the cabling is bunched with others, surrounded by thermal loft or wall insulation or placed in areas where the ambient temperature is above 30°C. Under these conditions, derating factors apply and it is necessary to select a larger cable size.
- 10.2** In the majority of installations, the cable will unavoidably be placed in one or more of the above conditions. This being so, it is strongly recommended to use a minimum of 10 mm cabling throughout the shower installation.
- 10.3** In any event, it is essential that individual site conditions are assessed by a competent electrician in order to determine the correct cable size and permissible circuit length.

Table B

Twin and earth PVC insulated cable Current carrying capacity		
Installed in an insulated wall	In conduit trunking	Clipped direct or buried in a non-insulated wall
6 mm ² 32A	6 mm ² 38A	6 mm ² 46A
10 mm ² 43A	10 mm ² 52A	10 mm ² 63A
16 mm ² 57A	16 mm ² 69A	16 mm ² 85A

Note: Cable selection is dependent on derating factors

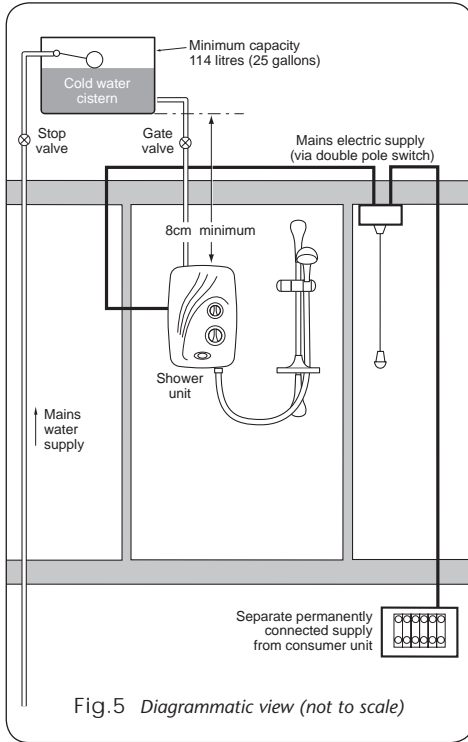


Fig.5 Diagrammatic view (not to scale)

WATER REQUIREMENTS

WARNING!

Under no circumstances must this T80si pumped shower be connected directly to the mains water supply.

The installation must be in accordance with Water Regulations/Bylaws.

To guarantee activating the heating elements, the shower must be connected to a cold water supply which is gravity fed from a static cold water storage cistern with a minimum capacity of 114 litres (25 gallons).

There **MUST** be a maximum head of water of 10 metres and a minimum head of 8cm, as measured between the bottom of the cistern and the top of the shower unit.

There **MUST** be no other cold water draw-offs between the cistern and the unit and the pipe **MUST NOT** supply water to any other tap or fitting at a lower level.

Note: The supply pipe from the cistern should be on the opposite side to the float operated valve to prevent air being drawn into the pipe when the cistern is filling.

If it is intended to operate the shower in hard water areas (above 200 ppm temporary hardness) a scale inhibitor should be fitted.

Fig.5 shows a typical system layout.

DO NOT use jointing compounds on any pipe fittings for the installation.

SITING OF THE SHOWER

FOR EASE OF SERVICING, THE UNIT MUST ALWAYS BE MOUNTED ON THE SURFACE OF TILED WALLS. NEVER TILE UP TO THE UNIT.

Refer to (Fig.6) for correct siting of shower.

Position the unit where it will not be in direct contact with water from the showerhead.

Position the shower unit vertically.

Allow enough room between the ceiling and the shower to access the cover top screws.

Note: Water Regulations (shower hose connections) requires the showerhead be 'constrained by a fixed or sliding attachment so that it can only discharge water at a point not less than 25 mm above the spill-over level of the relevant bath, shower tray or other fixed appliance'. The use of the supplied soap dish will in most cases meet this requirement, but if the showerhead can be placed within a bath, basin or shower tray, then a double check valve, or similar, must be fitted in the supply pipework to prevent back-flow.

Pressure relief safety device

A pressure relief device (PRD) is designed into the shower unit which complies with European standards. The PRD provides a level of appliance protection should an excessive build up of pressure occur within the shower.

Do not operate the shower with a damaged or kinked shower hose, or a blocked showerhead which can cause the PRD to operate.

When commissioning, the showerhead must be removed from the flexible hose, while at the same time the temperature control must be at the minimum flow position. Failure to follow this procedure may also cause the PRD to operate.

Make sure the shower is positioned over a bath or shower tray because if the PRD operates, then water will eject from the bottom of the unit.

Should this happen, turn off the electricity and water supplies to the shower at the isolating switch and stopvalve. Contact Customer Service for advice on replacing the PRD.

WARNING!
The shower must not be positioned where it will be subjected to freezing conditions.

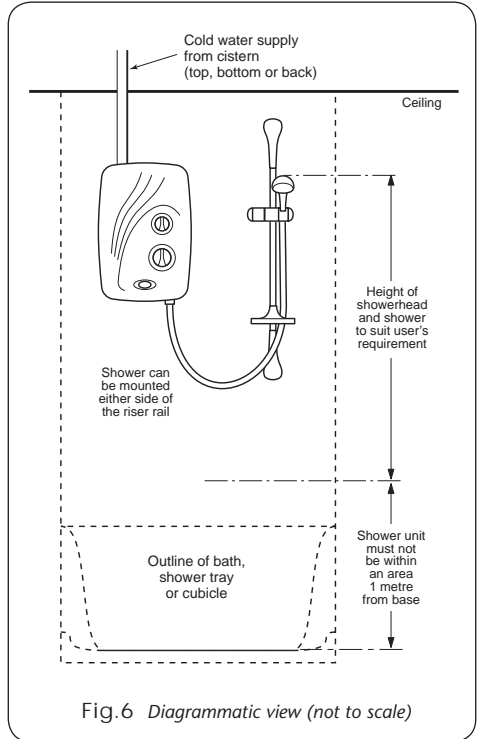


Fig.6 Diagrammatic view (not to scale)

IMPORTANT: The unit must be mounted on a flat surface which covers the full width and length of the backplate. It is important that the wall surface is flat otherwise difficulty may be encountered when fitting the cover and subsequent operation of the unit may be impaired.



FITTING THE SHOWER TO THE WALL

WARNING!

Check there are no hidden cables or pipes before drilling holes for wall plugs. Use great care when using power tools near water. The use of a residual current device (RCD) is recommended.

Note: The control knobs are an integral part of the cover – DO NOT attempt to remove them.

IMPORTANT: The unit must be mounted on a flat surface which covers the full width and length of the backplate. It is important that the wall surface is flat otherwise difficulty may be encountered when fitting the cover and subsequent operation of the unit may be impaired.

Unscrew the two top and one bottom retaining screws (fig.7) and lift the cover from the backplate.

Note: Deviations from the designated entry points will invalidate product approvals.

If a top entry is required for the water pipe, remove the top cut-out in the backplate (fig.8) and rotate the inlet elbow so that it points upward. If a bottom entry is required for the cold water pipe, then a hole will need to be cut out of the cover (fig.9) and the inlet elbow rotated to face downward.

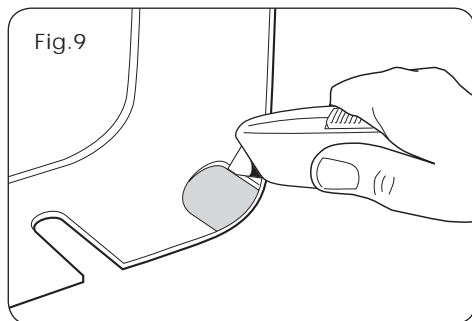
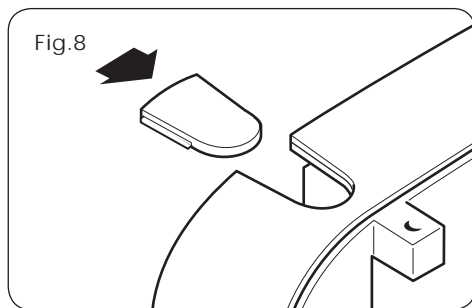
If entry is required from the back, rotate the inlet elbow upwards and fit the supplied elbow to connect to the pipe (fig.10).

Make sure the hole in which the pipe enters through the wall is filled in completely in order to stop any possible ingress of water into the cavity area.

After choosing the site for the shower, use the backplate as a template and mark the three fixing holes (fig.11).

Drill and plug the wall to suit the fixing screws supplied. *(The wall plugs provided are suitable for most brick walls – use an appropriate masonry drill, but if the wall is plasterboard or a soft building block, you must use suitable wall plugs and an appropriate drill bit).*

Screw the two upper fixing screws into position

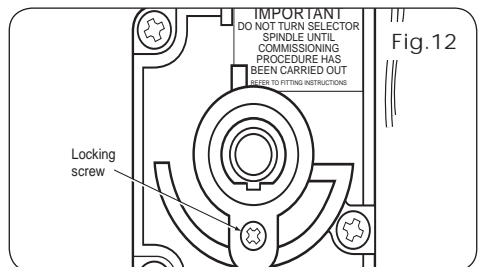
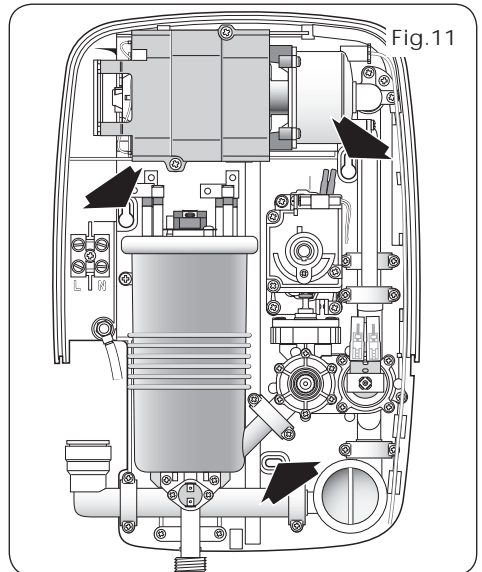
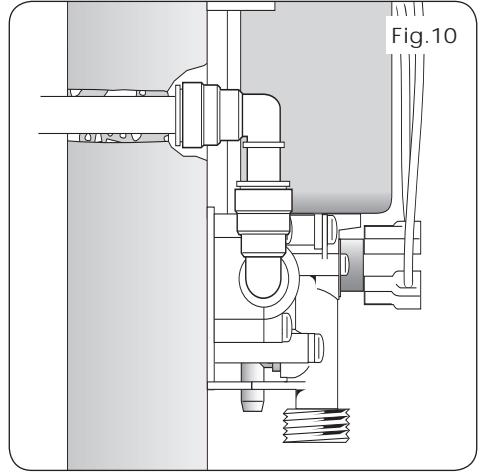


leaving the base of the screw heads protruding 6 mm out from the wall.

Hook the backplate over the top screws and fit the lower fixing screw into position.

DO NOT fully tighten the screws at this stage, as the fixing holes are elongated to allow for out of square adjustment after the plumbing connections have been completed.

Note: A temporary factory fitted locking screw is fitted to the power selector spindle (fig.12). This is to make sure the spindle is held in the COLD position while the commissioning procedure is carried out. **DO NOT** remove the locking screw before this procedure is completed.



WARNING!

The outlet of the shower acts as a vent and MUST NOT be connected to anything other than the hose and showerhead supplied.

IMPORTANT: Before completing the connection of the water supply to the inlet of the shower, flush out the pipework to remove all swarf and system debris. This can be achieved by connecting a hose to the pipework and turning on the water supply long enough to clear the debris to waste.

PLUMBING CONNECTIONS***Plumbing to be carried out before wiring***

DO NOT use jointing compounds on any pipe fittings for the installation.

DO NOT solder fittings near the shower unit as heat can transfer along the pipework and damage components.

Note: An additional gate valve or fullway lever valve MUST be fitted in the water supply to the shower as an independent means of isolating the water supply should maintenance or servicing be necessary.

IMPORTANT: The fitting on the inlet elbow is a push-in type. The pipework must be cut with a pipe cutter and all burrs and rough edges removed from the end of the tube. The fitting can be used with copper and plastic pipe.

If using chrome plated copper pipe, remove the first 25 mm of plating completely from the connecting surface. If it is not completely removed then the collet will not grip the pipe and under pressure the pipe may be forced out.

Procedure

Turn off water supply either at the mains stopvalve or the isolating stopvalve to the cistern. Drain the cistern.

IMPORTANT: The pipework must be brought direct from the cold water storage cistern with no other cold water draw offs between the shower and the cistern.

Fit the pipework to the inlet elbow. Make sure the elbow collet is fully engaged with the pipe. Although the pipework connection to the shower is via 15 mm diameter pipework, on long runs use 22 mm diameter piping as far as possible to avoid restricting the flow to the shower.

Make sure that the backplate of the unit is flat on the wall and positioned squarely. Tighten the fixing screws.

Turn on the water supply and check for leaks in the pipework connection to the shower.

IMPORTANT: Using a suitable sealant, always seal around the incoming pipework to prevent water entering the wall.

Note: At this stage no water can flow through the unit.

Fig.15



Fig.16



Fig.17

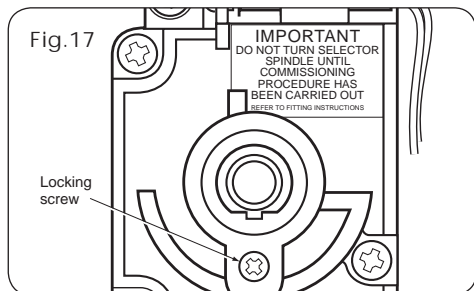
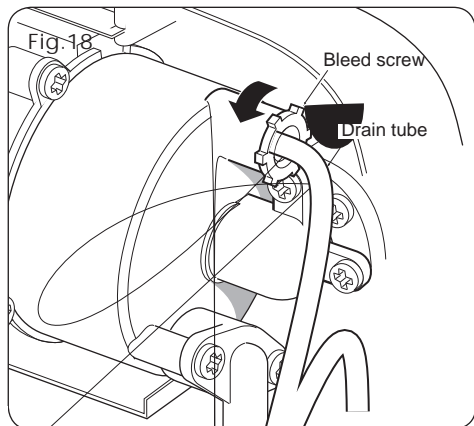


Fig.18



COMMISSIONING

WARNING!

Before normal operation of the shower, it is essential the following commissioning procedure is completed correctly.

The first operation of the shower is intended to flush out any remaining unit debris, and to make sure the heater unit contains water before the elements are switched on.

This operation must be carried out with the flexible hose screwed to the outlet but WITHOUT the showerhead attached. Make sure the outlet of the flexible hose is directed to waste. The COLD position MUST be used.

To check that the temperature control is correctly positioned on the stabilising valve, temporarily place the cover in position so that the splines engage then rotate the temperature control fully anti-clockwise.

Remove the cover and position the temperature control so that it points towards '1' (fig.15).

Position the power selector to the COLD position (fig.16).

DO NOT remove the locking screw fitted to the power selector spindle (fig.17) – it can be removed only when the commissioning procedure has been completed.

Make sure the water supply is still turned on to the shower.

Open the bleed screw on the pump unit (fig.18) by rotating one revolution. When water flows from the drain pipe, this indicates that any trapped air is vented and that the pump unit is primed. The bleed valve must now be closed by rotating in the opposite direction.

Offer the cover to the backplate unit. Check that the power selector is still at the COLD position and the temperature control is at '1'.

Note: Check the START/STOP button is not depressed in the cover which indicates 'START'. The button should be flush with the cover, otherwise water will flow as soon as the electricity is switched on.

Attached to the START/STOP button inside the





Note: In normal use, it is in order to leave the water supply permanently on to the shower unit, but as with most electrical appliances, the unit must be switched off at the isolating switch when not in use.

OPERATING THE SHOWER

WARNING!

Before normal operation of the shower, it is essential the following commissioning procedure is completed correctly.

To start the shower

Pressing the START/STOP button (fig.22) switches on the pump allowing water to immediately flow through the unit.

To stop the shower

Press the START/STOP button. This switches off the pump and the water flow will cease.

WARNING!

If restarting immediately after stopping, be aware that a slug of hot water will be expelled for the first few seconds.

To use the power selector

The power selector (fig.22) has four settings — COLD, LOW, MEDIUM and FULL POWER.

Blue symbol is for COLD water only. Adjusting the temperature control at this setting will only increase or decrease the force of the water from the showerhead. It will not alter the water temperature.

Red outline symbol is the LOW setting for extra economy during hot months. Temperature adjustment at this setting is via the temperature control.

Single red symbol is the MEDIUM setting for economy during warmer months and any temperature adjustment at this setting is via the temperature control.

Double red symbol is FULL power setting which allows the highest flow achievable for your preferred temperature. Temperature adjustment at this setting is via the temperature control.

To adjust the shower temperature

The shower temperature is altered by increasing or decreasing the flow rate of the water through the shower via the temperature control.

After obtaining your preferred shower temperature, the number can be remembered as the normal setting and should only need to be altered to compensate for seasonal changes in ambient water temperatures.

To decrease the shower temperature

Turn the temperature control anti-clockwise towards the lower numbers; this will increase the water flow.

To increase the shower temperature

Turn the temperature control clockwise towards the higher numbers; this will decrease the water flow.

Note: Be certain the showering temperature is satisfactory by testing with your hand before stepping under the showerhead. There will always be a time delay of a few seconds between selecting a flow rate and the water reaching the stable temperature for that flow rate.

CAUTION: It is recommended that persons who may have difficulty understanding or operating the shower controls should not be left unattended while showering. Special consideration should be given to young children and the less able bodied.

WARNING!

After any servicing of mains water supply, always make sure the unit is started on COLD in order to purge any air in the pipework.

ADJUSTING THE SHOWERHEAD

Five showerhead patterns are available (fig.24). Adjust the spray pattern by turning the bezel on the showerhead in either direction until the desired pattern is obtained.





INSTRUCTIONS FOR INSTALLERS AND SERVICE ENGINEERS ONLY

CLEANING THE INLET FILTER

It is recommended that the filter is periodically cleaned in order to maintain the performance of the shower. It is essential that this operation is carried out by a competent person.

SWITCH OFF THE ELECTRICITY SUPPLY AT THE MAINS.

Remove the cover and disconnect the plug.

There is no need to turn off the water supply — the act of removing the filter unit automatically isolates the water supply.

Note: Should debris be trapped on the shut off seat inside the valve, water will continue to flow out as the filter is removed. It is therefore advisable to locate the main isolating valve before removing the filter in the event that the unit needs isolating.

DO NOT rely on the filter shut off valve when carrying out repairs or service to other areas of the shower unit.

Unscrew the filter (fig.27) by turning anti-clockwise. Remove the unit complete with the filter and wash under running water. Make sure all debris, etc. is removed.

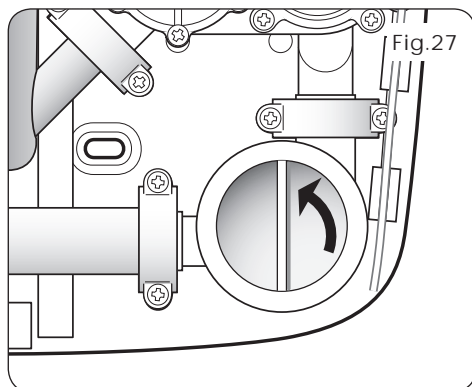
Replace by pushing the unit back into its housing until the threads engage and then turn fully clockwise until tight. DO NOT OVERTIGHTEN.

Before replacing the cover, it is strongly advised to prime the unit by opening the bleed screw until water drains from it.

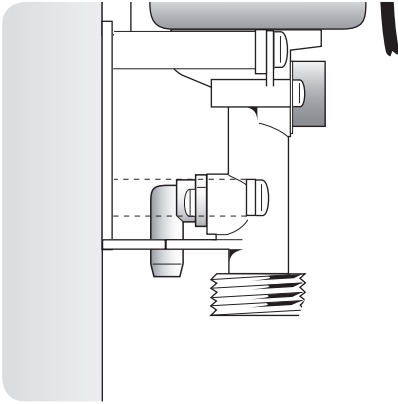
Close the bleed screw and connect the plug to the cover. Replace the cover and secure with the fixing screws.

Switch on the electric supply and start the shower on the COLD SETTING ONLY and with the temperature control rotated fully anti-clockwise.

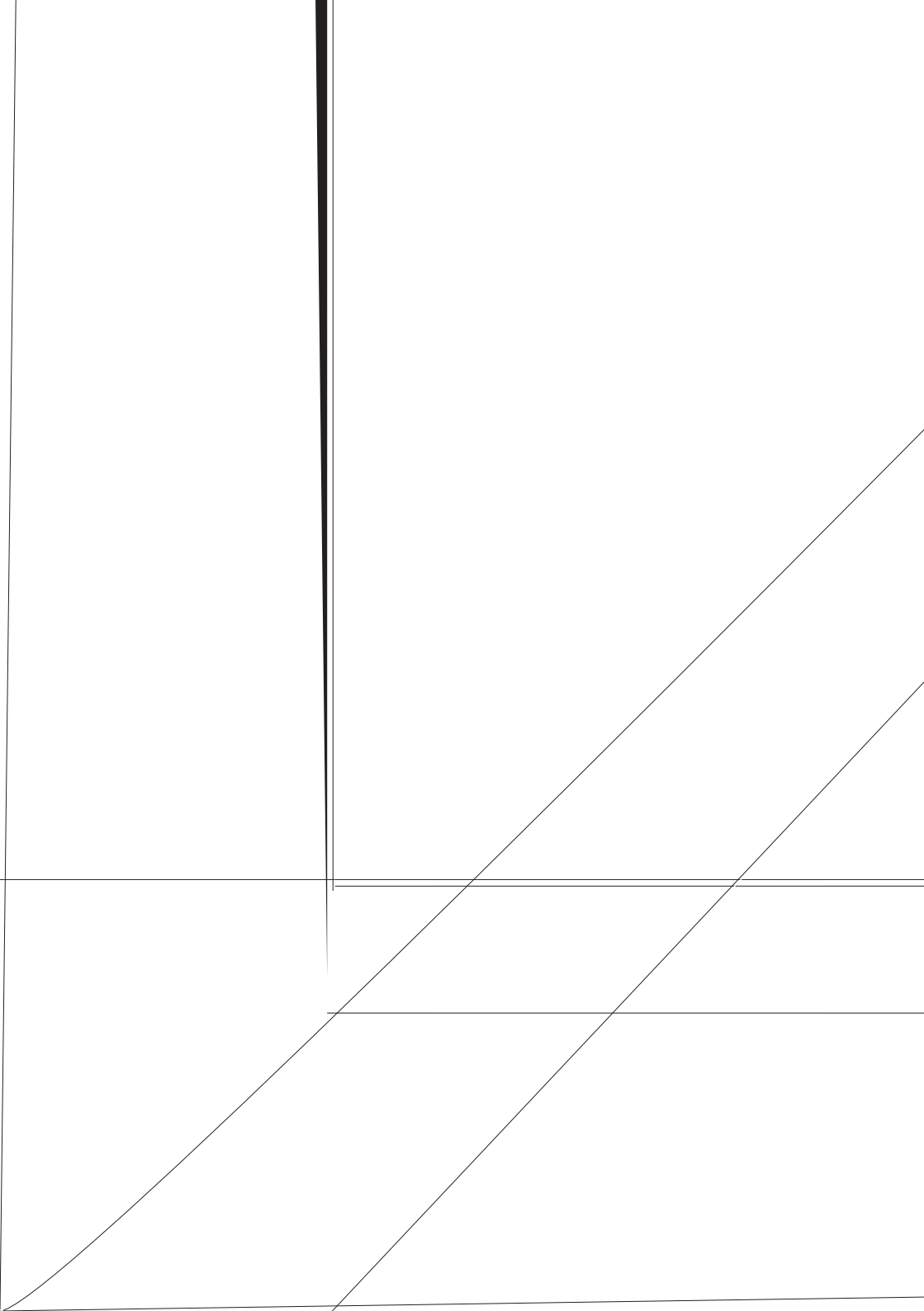
When a smooth flow of water is obtained, the shower can then be used in the normal manner.



INSTRUCTIONS FOR INSTALLERS AND SERVICE ENGINEERS ONLY







FAULT FINDING

IMPORTANT: Switch off the electricity at the mains supply and remove the circuit fuse before removing the cover from the shower while attempting any fault finding inside the unit.

Problem/Symptom	Cause	Action/Cure
1 Shower inoperable, no water flow when the Start/Stop button is pressed.	1.1 Interrupted power supply.	1.1.1 Check if a general power cut. Check other appliances and if necessary, contact the local Electricity Supply Company. 1.1.2 If the power neon does not illuminate when the Start/Stop button is pressed, check the consumer unit fuse or circuit breaker or isolating switch. If blown or faulty, renew or reset as applicable. If it fails again, consult a competent electrician.
	1.2 Plug not connected to socket inside the cover.	1.2.1 Remove the cover and ensure the plug and socket are firmly connected.
	1.3 Solenoid valve malfunction.	1.3.1 Have solenoid checked by a competent electrician or contact Customer Service.
	1.4 Pump motor faulty.	1.4.1 If the power neon is lit when the Start/Stop button is pressed, have the pump checked by a competent person or contact Customer Service.
2 Water too hot.	2.1 Not enough water flowing through the shower.	2.1.1 Increase the flow rate via temp control. 2.1.2 Blocked showerhead – clean or replace showerhead. 2.1.3 Blocked filter – see ‘filter maintenance’.
	2.2 Increase in ambient water temperature.	2.2.1 Switch to reduced power setting and readjust flow rate (via temperature control) to give the required temperature.
	3.1 Heater cycling on outlet thermal cut-out.	3.1.1 See ‘Water too hot’ causes 2.1 and 2.2 and their appropriate action/cures. If it continues, contact Triton Customer Service.
3 Water temperature cycling hot/cool at intervals.	3.1 Heater cycling on outlet thermal cut-out.	3.1.1 See ‘Water too hot’ causes 2.1 and 2.2 and their appropriate action/cures. If it continues, contact Triton Customer Service.
	4.1 Too much flow.	4.1.1 Reduce the flow rate via the temperature control.
	4.2 Reduction in the ambient water temperature.	4.2.1 Switch to full power setting and readjust the flow rate via the temperature control to give the required temperature.
4 Water too cool or cold.	4.3 Electrical malfunction or safety cut-out has operated.	4.3.1 Have shower unit checked by a competent electrician or contact Customer Service.

FAULT FINDING

Problem/Symptom	Cause	Action/Cure
<p>5 During use, the water flow ceases abruptly.</p>	<p>5.1 Interrupted power supply.</p>	<p>5.1.1 See 1.1.1 and 1.1.2.</p>
	<p>5.2 Solenoid valve malfunction (pump still operates).</p>	<p>5.2.1 Switch off immediately. Have solenoid checked by a competent electrician or contact Customer Service.</p>
	<p>5.3 Pump motor faulty.</p>	<p>5.3.1 See 1.5.1.</p>
<p>6 Shower performance drops indicated by a gradual reduction in water flow.</p>	<p>6.1 Water starvation to the unit.</p>	<p>6.1.1 Check the filter is not blocked. First, isolate the electricity supply and then remove the cover.</p>
		<p>6.1.2 Check the cold water cistern is full.</p>
		<p>6.1.3 Make sure the water supply pipe is not blocked or air locked.</p>
		<p>6.1.4 Check there is no simultaneous demand from the cistern during showering.</p>
		<p>6.1.5 Reprime the unit without electricity switched on to the unit (see 'commissioning' section).</p>
<p>7. Pressure relief device has operated (water ejected from PRD tube).</p>	<p>7.1 Blocked showerhead.</p>	<p>7.1.1 Clean or replace blocked cartridge in the showerhead and then fit a new PRD.</p>
	<p>7.2 Twisted/blocked flexible shower hose.</p>	<p>7.2.1 Check for free passage through the hose. Replace the hose if necessary and then fit a new PRD.</p>
	<p>7.3 Showerhead not removed while commissioning.</p>	<p>7.3.1 Fit a new PRD. Commission the unit with showerhead removed.</p>

Note: Identify cause of operation before fitting new PRD unit. When fitting a new PRD, follow the commissioning procedure.

It is advised all electrical maintenance/repairs to the shower should be carried out by a suitably qualified person.

Service Policy

In the event of a complaint occurring, the following procedure should be followed:

1 Telephone Customer Service on +44 (0) 87 0067 3333 (+44 (0) 84 5762 6591 in Scotland and in Northern Ireland), having available the model number and power rating of the product, together with the date of purchase.

2 Triton Customer Service will be able to confirm whether the fault can be rectified by either the provision of a replacement part or a site visit from a qualified Triton service engineer.

3 If a service call is required the unit must be fully installed for the call to be booked and the date confirmed. In order to speed up your request, please have your postcode available when booking a service call.

4 It is essential that you or an appointed representative (who must be a person of 18 years of age or more) is present during the service engineer's visit and receipt of purchase is shown.

5 A charge will be made in the event of an aborted service call by you but not by us, or where a call under the terms of guarantee has been booked and the failure is not product related (i.e. scaling and furring, incorrect water pressure, pressure relief device operation, electrical installation faults).

6 If the product is no longer covered by the guarantee, a charge will be made for the site visit and for any parts supplied.

7 Service charges are based on the account being settled when work is complete, the engineer will then request payment for the invoice. If this is not made to the service engineer or settled within ten working days, an administration charge will be added.

Replacement Parts Policy

Availability: It is the policy of Triton to maintain availability of parts for the current range of products for supply after the guarantee has expired. Stocks of spare parts will be maintained for the duration of the product's manufacture and for a period of five years thereafter.

In the event of a spare part not being available a substitute part will be supplied.

Payment: The following payment methods can be used to obtain spare parts:

1 By post, pre-payment of pro forma invoice by cheque or money order.

2 By telephone, quoting credit card (MasterCard or Visa) details.

3 By website order, www.tritonshowers.co.uk

Triton Plc
Triton Road
Nuneaton
Warwickshire CV11 4NR

TRITON STANDARD GUARANTEE

Triton Plc guarantee this product against all mechanical and electrical defects arising from faulty workmanship or materials for a period of one year for domestic use only, from the date of purchase, provided that it has been installed by a competent person in full accordance with the fitting instructions.

Any part found to be defective during this guarantee period we undertake to repair or replace at our option without charge so long as it has been properly maintained and operated in accordance with the operating instructions, and has not been subject to misuse or damage.

This product must not be taken apart, modified or repaired except by a person authorised by Triton Plc. This guarantee applies only to products installed within the United Kingdom and does not apply to products used commercially. This guarantee does not affect your statutory rights.

What is not covered:

1 Breakdown due to: *a)* use other than domestic use by you or your resident family; *b)* wilful act or neglect; *c)* any malfunction resulting from the incorrect use or quality of electricity, gas or water or incorrect setting of controls; *d)* faulty installation.

2 Repair costs for damage caused by foreign objects or substances.

3 Total loss of the product due to non-availability of parts.

4 Compensation for loss of use of the product or consequential loss of any kind.

5 Call out charges where no fault has been found with the appliance.

6 The cost of repair or replacement of pressure relief devices, showerheads, hoses, riser rails and/or wall brackets, isolating switches, electrical cable, fuses and/or circuit breakers or any other accessories installed at the same time.

7 The cost of routine maintenance, adjustments, overhaul modifications or loss or damage arising therefrom, including the cost of repairing damage, breakdown, malfunction caused by corrosion, furring, pipe scaling, limescale, system debris or frost.

Customer Service: ☎ +44 (0) 87 0067 3333

Scottish and Northern Ireland

Customer Service: ☎ +44 (0) 84 5762 6591

Trade Installer Hotline: ☎ +44 (0) 87 0067 3767
Fax: +44 (0) 87 0067 3334

www.tritonshowers.co.uk

E mail: technical@triton.plc.uk