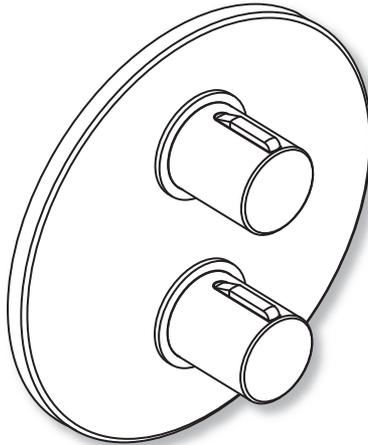


inspiration

ENZO
Single Outlet Concealed Shower
IX400014CP

Installation and Maintenance Instructions



inspiration

Intatec Ltd

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Hixon
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ST18 0PF

In this procedure document we have endeavoured to make the information as accurate as possible.

We cannot accept any responsibility should it be found that in any respect the information is inaccurate or incomplete or becomes so as a result of further developments or otherwise.

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Introduction

This installation guide has been produced for the ENZO single outlet concealed shower.

These instructions cover the installation, operation and maintenance. Please read the enclosed instructions before commencing the installation of this product, please note;

We recommend that the installation of any product is carried out by an approved installer.

The installation must be carried out strictly in accordance with the Water Supply (Water Fitting) Regulations 1999 and any local authority regulations.

If in doubt we recommend that you contact WRAS - Water Regulations Advisory Scheme on Tel: 0333 207 9030, your local water authority - details available on the WRAS website or the Chartered Institute of Plumbing and Heating Engineers on Tel: 01708 472 791.

All products **MUST** be re-commissioned to suit site conditions to ensure optimum performance levels of the product are obtained.

It is recommended, especially in hard water areas, that a water softener such as the ActivFlo or ActivFlo lite be fitted to reduce the risk of calcium deposits forming.

Safety

This thermostatic shower must be installed and commissioned correctly to ensure that water is supplied at a safe temperature to suit the users.

The shower is pre-set using ideal conditions to 38°C at the stop with a manual push button override to 46°C maximum (can be re-set to suit site conditions or user preference – see calibration page 13).

The maximum mixed temperature takes account of the allowable tolerances inherent in thermostatic shower mixers and temperature losses.

It is not a safe bathing temperature for adults or children.

The British Burns Association recommends 37 to 37.5 °C as a comfortable bathing temperature for children. In premises covered by the Care Standard Act 2000, the maximum mixed water outlet temperature is 43 °C.

Products

ENZO concealed single outlet thermostatic shower with flexible riser kit,
multi-function handset and wall elbow.

IX400014CP

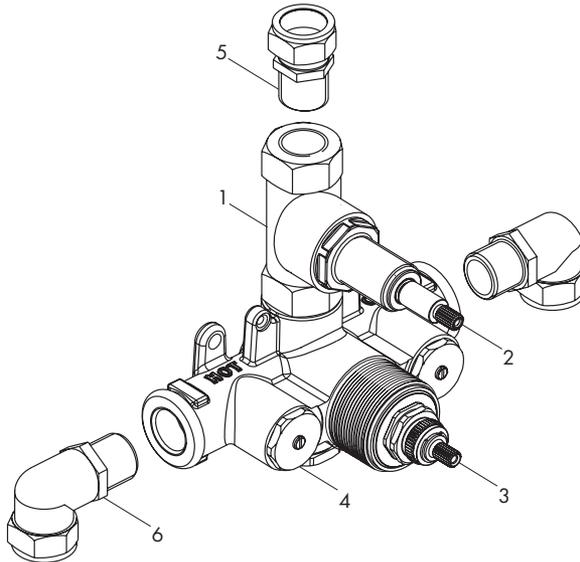
Check Content

Before commencing remove all components from packaging and check each component with the contents list.

Ensure all parts are present, before discarding any packaging. If any parts are missing, do not attempt to install your ENZO shower valve until the missing parts have been obtained.

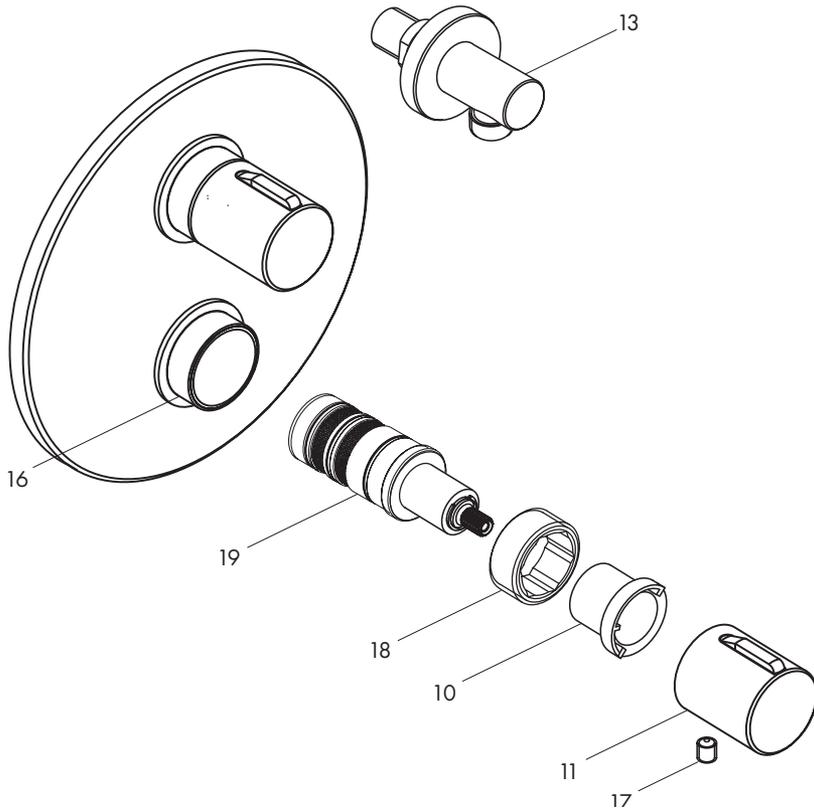
Components

Item	Qty	Component	Item	Qty	Component
1	1	Body	4	1	Cap and check valve
2	1	Flow controller	5	1	Straight compression adaptor
3	1	Thermostatic cartridge	6	2	Angled compression adaptor



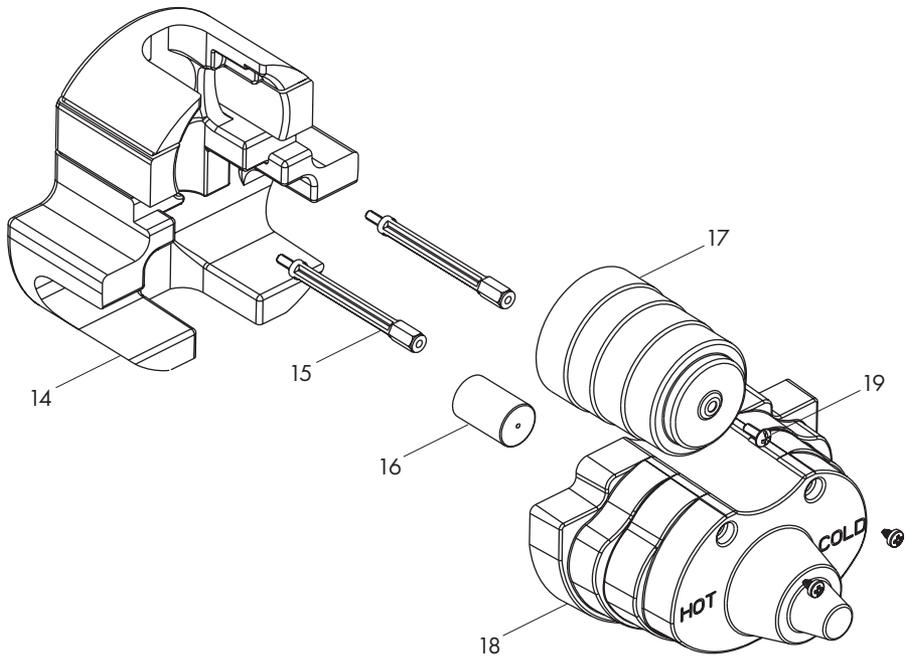
Components - Concealing Plate and Control Knobs

Item	Qty	Component	Item	Qty	Component
7	1	Concealing plate gasket	11	1	Temperature control knob
8	1	Concealing plate	12	1	Flow control knob
9	2	Sealing ring	13	1	Outlet elbow
10	1	Temperature stop ring			

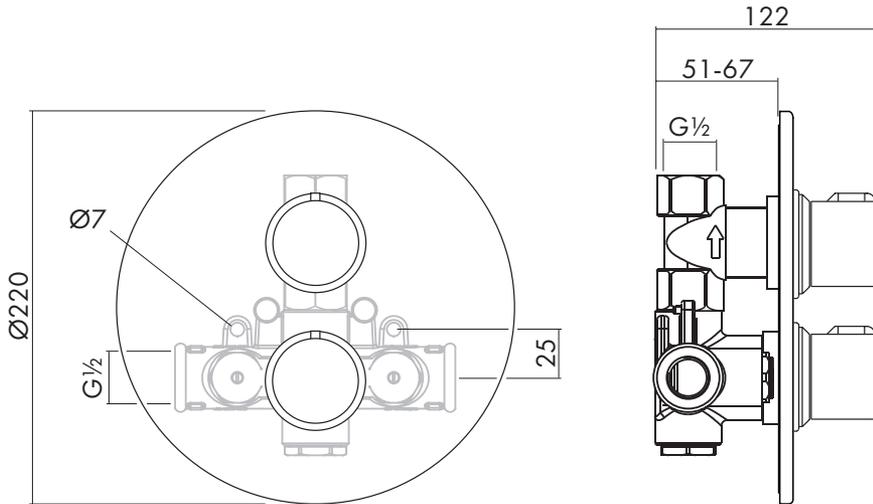


Components - Plaster Guard and Insulation

Item	Qty	Component
14	1	Preformed body insulation shell
15	2	Extension piece
16	1	Thermostatic cartridge cover
17	1	Flow controller cover
18	1	Plaster guard
19	3	Retaining screw



Dimensions



The maximum and minimum depth of concealment in finished wall

Technical Data

This ENZO concealed single outlet thermostatic shower valve is suitable for installations on all types of plumbing systems, including gravity supplies, fully pumped, heat interface unit (HIU), modulating combination boiler, unvented water heater and unbalanced supplies i.e. Cold Mains & Tank Fed Hot. They are not suitable for non-modulating combination boilers.

Max Inlet Pressure (Static)	5 bar	Max Inlet Temperature	65 °C
Min Operating Pressure (Dynamic)	0.2 bar	Pre-set Factory Temp Setting	38 °C
Max Unbalanced Pressure Ratio	5:1	Temperature Stability	±2 °C
Inlet Connections (Body only)	15mm	Min Temp Differential between hot inlet and mixed water outlet to achieve cold water fail safe	15 °C
Outlet Connections	15mm		

Unvented Mains Pressure System

The drawing shows a typical installation of a shower mixing valve in conjunction with an unvented hot water system. This type of installation must be carried out in accordance with Part G of the Building Regulations.

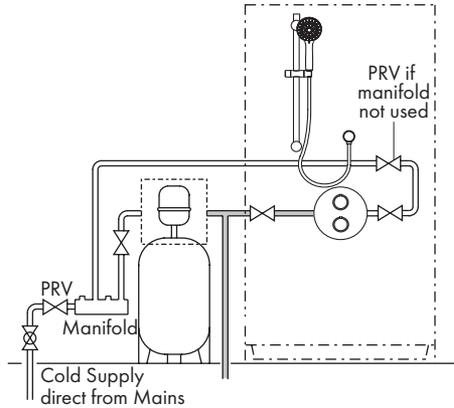
Whilst pressures are theoretically equal (balanced) most unvented hot systems have a pressure reducing valve on the incoming cold water prior to the hot water storage vessel. This means that the hot and cold pressures can be significantly different.

Most unvented systems use an inlet manifold located directly after the pressure reducing valve.

It is recommended that the cold supply be taken from one of the outlets of the manifold directly to the shower as an independent supply.

For systems without a manifold unit after the pressure reducing valve and where the cold water supply pressure is significantly higher than the hot supply we recommend that a separate pressure reducing valve is fitted to the cold supply, as close as possible to the shower valve and with no draw off points between it and the shower valve.

Flow regulators are required for installations where a PRV is not fitted to ensure simultaneous demand is accounted for.



Pumped System

Pumped systems use a booster pump to increase the pressure of the gravity fed water supplies.

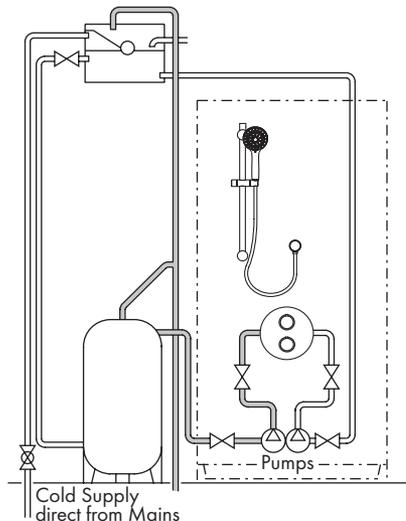
These booster pumps are used where the head of water is insufficient to provide a satisfactory shower or where a high performance shower is required.

Please ensure that the performance of the pump is matched to suit the shower.

Follow the instructions for gravity fed installations taking into account the installation requirements of the pump.

Ensure that the hot and cold water storage capacity is sufficient to supply the shower and any other draw off points that may be used simultaneously.

Most pumps require a minimum head of water to allow the flow switches to operate automatically. Where this is not available a negative head kit may be required to operate the pump.



Gravity System

The drawing shows a typical installation of a shower valve on a gravity supplied system.

Please note the minimum head pressure required to ensure operation of the valve.

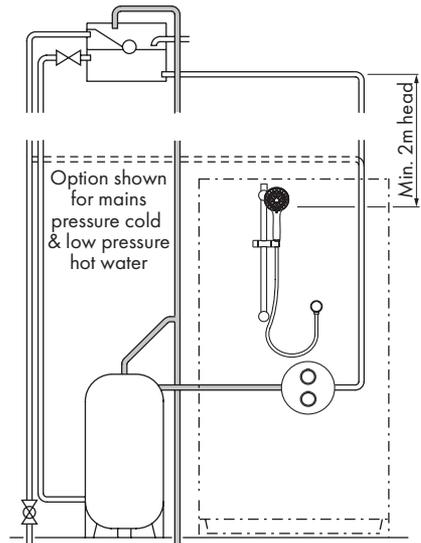
In accordance with good plumbing practice, we recommend that a totally independent hot and cold water supply be taken to the valve.

The cold water supply must be connected directly to the water cistern. The hot water supply should be connected to the hot water cylinder via an Essex flange or Sussex flange or to the vent or a draw off pipe as close as possible to the top of the cylinder.

For equal tank fed pressures there is no need to fit the flow regulators. This installation is the recommended minimum for gravity supplies. For systems with less than 4 metre head pressure, we recommend that a suitable booster pump is fitted to increase the supply pressure.

Cold Mains & Gravity Hot Supplies

If the cold supply to the shower is direct from the cold water mains and the hot water supply is gravity fed from the cold water cistern via the hot water cistern you **MUST** fit a pressure reducing valve or a 6 l/min flow regulator.



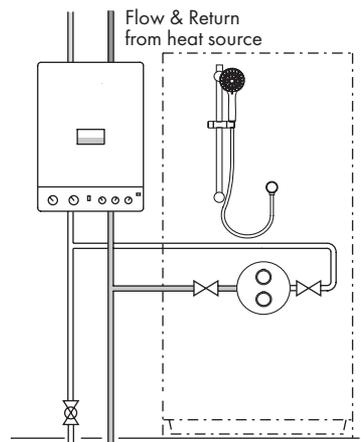
Heat Interface Unit - HIU

The drawing shows a typical installation of a shower valve in conjunction with a heat interface unit.

A HIU will produce a constant flow of water at a maximum distribution temperature of 50 °C

The hot water flow rates are dependant upon the type of HIU used and the temperature rise required to heat the cold water to the required temperature.

The cold water flow rates may be much greater as they are generally unrestricted from the mains cold water supply. To ensure relatively balanced flow rates, we recommend that a pressure reducing valve or 6 l/min flow regulator is fitted in the cold water supply pipe.



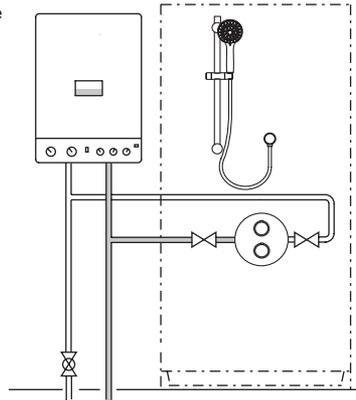
Modulating Combi Boiler / Instantaneous Gas Water Heater

The drawing shows a typical installation of a shower valve in conjunction with a combination boiler.

Combi boilers will produce a constant flow of water at a temperature within its operating range. However we recommend that the system should supply hot water in excess of 60°C.

The hot water flow rates are dependant upon the type of boiler / heater used and the temperature rise required to heat the cold water to the required temperature.

The cold water flow rates may be much greater as they are generally unrestricted from the mains cold water supply. To ensure relatively balanced flow rates, we recommend that a pressure reducing valve or 6 l/min flow regulator is fitted in the cold water supply pipe.



Site Preparation

It is important to plan the installation thoroughly to suit site conditions before commencing.

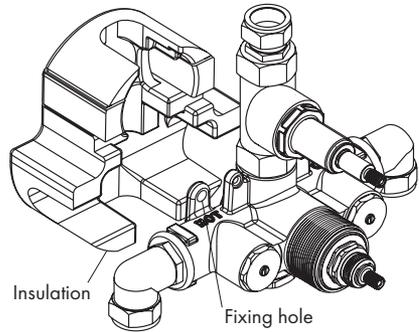
- Before commencing the installation ensure site conditions are suitable.
- The shower mixing valve is designed for concealed pipework, whether in a solid or studded wall.
- Site conditions will determine how the shower valve and outlet elbow will be installed.
- The thickness of wall tiles, plaster or plaster board should all be considered when routing the hot and cold supply pipes.
- The shower valve must protrude sufficiently from the finished tiled surface to allow the concealing plate and control knobs to be fitted.
- Ensure the shower valve will be vertical when installed.
- The supply pipes can come from below, above, inside or through the wall.
- The shower valve must be installed securely into the wall. If not embedded into the wall with plaster the shower valve must be fixed secure to the studding with screws using 2 or 3 mounting holes.
- The whole system should be thoroughly flushed, prior to the connection of the hot and cold water supplies to the shower valve, to remove any debris that may be in the supply pipework.
- Ensure there are no joint leaks before finishing the wall.
- Isolation valves must be fitted in an accessible position to both the hot and cold supplies should the valve need to be isolated in the future for servicing.

Installation - Shower Valve

The shower valve can be used as a template to mark its position onto the wall.

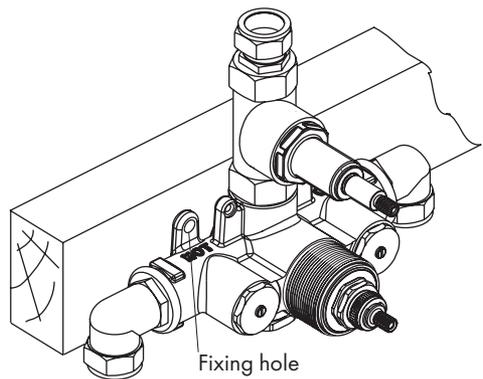
Solid Wall

- Create a large enough cavity for the shower valve and chase the wall for the two supply pipes and a route from the outlets of the shower valve to the outlet elbow and overhead soaker.
- If the shower valve is to be fitted in an outside wall or where there is a greater risk of freezing the preformed insulation (17) should be used, which will require a deeper cavity.
- If the preformed insulation is not used, fix the shower valve into the cavity using the 2 fixing holes ensuring the valve is vertically in line.
- Ensure the thermostatic cartridge and flow control valve protrude sufficiently from the finished wall surface to allow the concealing plate and control knobs to be fitted, see dimension drawing.



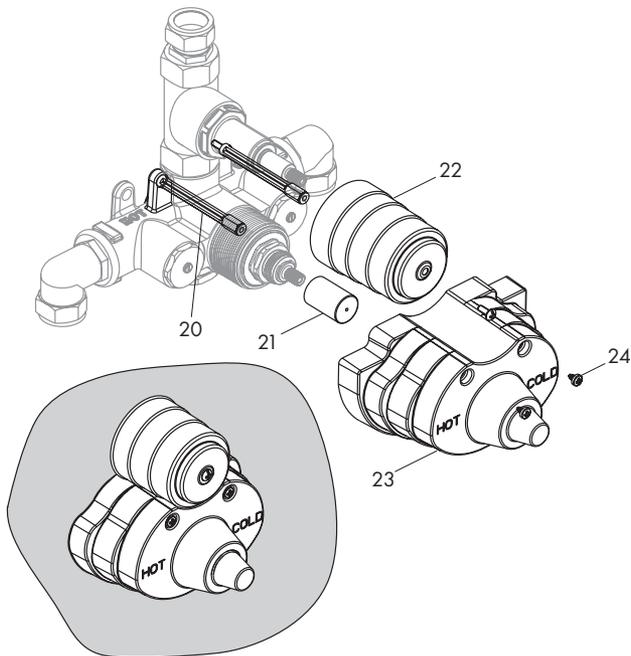
Cavity Wall

- The shower valve must be fixed securely to the structural members of the stud wall and/or an additional member may need to be included where the shower valve will be located.
- If there is access from the adjacent room into the cavity, the surface of the shower room wall can be finished with most of the tiling completed.
- Fix the shower valve to the structural member using 3 screws of sufficient length and tighten to hold secure.
- Ensure the thermostatic cartridge and flow control valve protrude sufficiently from the finished wall surface to allow the concealing plate and control knobs to be fitted.
- Additional holes need to be made for the outlet elbow and soaker arm. The tiling around these holes needs to be completed to allow the these components to be fitted.



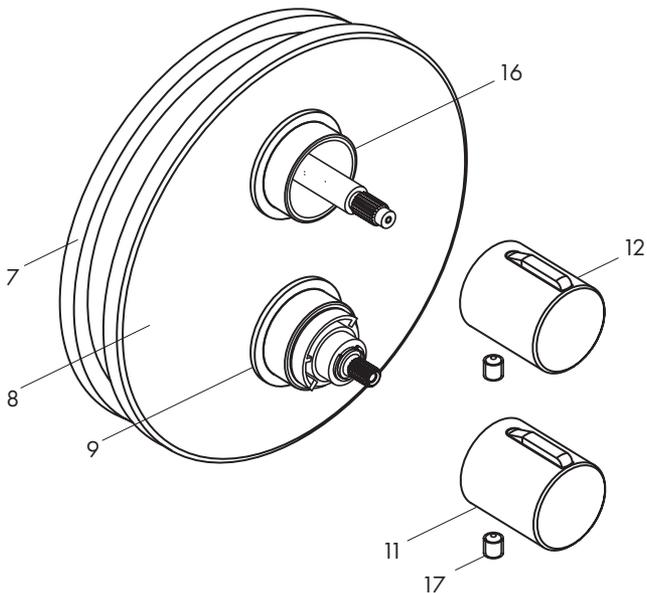
Plaster Guard

- Check all joints for leakage before embedding into the wall or concealing the valve.
- Screw the extension pieces (20) into the two threaded holes.
- Place the thermostatic cartridge extension (21) over the flow cartridge spindle.
- Place the flow control cover (22) over the flow control valve and secure with the retaining screw (24).
- Fit the plaster guard (23) over the valve and secure with two retaining screws (24).
- For a solid wall embed the pipes and shower valve with plaster.
- Finally finish the wall with plaster and plaster up to and around the plaster guard.
- When the plaster is dry remove the plaster guard or if a tiled wall leave in position and tile around the guard.
- Finally remove the retaining screws, plaster guard and extension pieces.



Installation - Water Outlets and Concealing Plate

- If there is access from the adjacent room into the cavity, the surface of the shower room wall can be finished with most of the tiling completed.
- Apply mastic to the back of the flange, close to the edge, of the outlet elbow before inserting through the hole in the wall and secure with a back nut
- Connect the outlet elbow and overhead soaker to their copper supply pipework ensuring water tight joints and connect to the shower valve.
- The pipework should be secured where possible to a structural member.
- Turn on the water supplies and test all joints for leakage before finishing the wall. Any leaking joints must be rectified before proceeding further.
- Finish tiling the wall around the shower valve.
- Fit the gasket into the concealing plate with a bead of mastic.
- Place the concealing plate and gasket, with a bead of mastic on the back of the gasket, over the 2 square body covers and press firmly to the wall.



Calibration

Inspiration shower valves have a factory set outlet temperature of 38 °C via the security setting. This is based on a balanced supply pressure and a stable hot water inlet temperature of 65 °C.

However, the calibration point **MUST** be checked and re-set as necessary to suit site conditions.

Care must be taken when re-calibrating the valve as **INCORRECT CALIBRATION CAN CAUSE INJURY**.

- Remove the temperature control knob (11) by unscrewing the grub screw (17) and pulling away from the shower valve and the temperature stop ring (10).
- Fully open the flow control and allow the outlet temperature to stabilise.
- Temporarily refit the control knob (11) onto the splined section of the cartridge and using a digital thermometer it is possible to increase or reduce the mixed water outlet temperature until 38 °C is re-established, by slowly rotating the control knob.
- Remove the control knob (11) and refit the temperature stop ring (10) onto the splined section of the cartridge.
- Refit the temperature control knob in the reverse order and secure with the grub screw.

A full range of spares are available for this product.

PLEASE NOTE: Only genuine spares should be used.

PLEASE NOTE THAT ONCE CALIBRATED, THE SECURITY SETTING WILL ONLY BE 38 °C UNDER THE SUPPLY CONDITIONS USED FOR CALIBRATION.

Cartridge Replacement

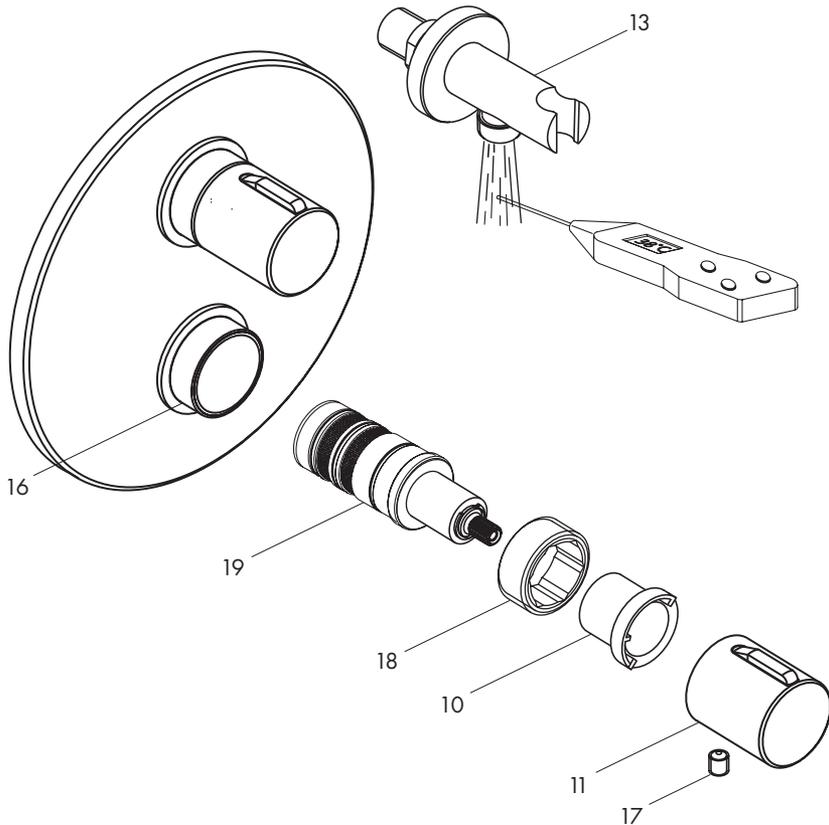
- Isolate both the hot and cold water supplies
- Remove the temperature control knob (11) by unscrewing the grub screw (17) and pulling away from the shower valve and the temperature stop ring (10).
- Using a suitable tool unscrew the cartridge retainer (18) and pull the cartridge (19) out of the valve.
- Replace with a new cartridge.
- Refit the cartridge retainer (18).
- The shower valve must be re-calibrated after fitting the new cartridge following the procedure above.
- Refit the temperature control knob in the reverse order and secure with the grub screw.

Spares

A full range of spares are available for this product.

PLEASE NOTE: Only genuine spares should be used.

Cartridge Replacement



Aftercare

Inta shower mixing valves have a high quality finish and should be treated with care.

An occasional wipe with a mild washing-up liquid on a soft damp cloth followed by a thorough rinsing is all that is required.

The nozzles in the hand set should be cleaned periodically to remove any build up of debris or deposits which may affect the performance of the shower.

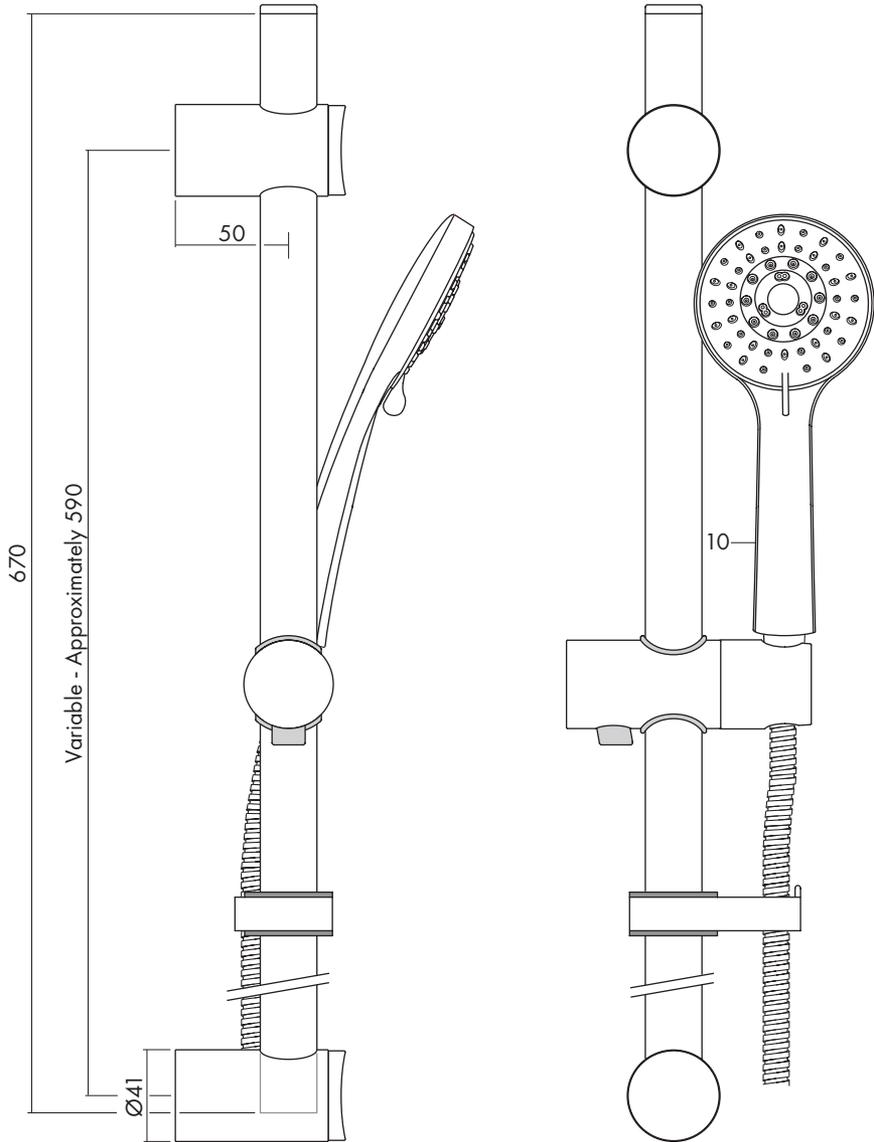
Do not use an abrasive or chemical household cleaner as this may cause damage.

Problem Solving

The following details are supplied for on site queries, should you require any further assistance our Technical Department can be contacted directly on 01889 272199.

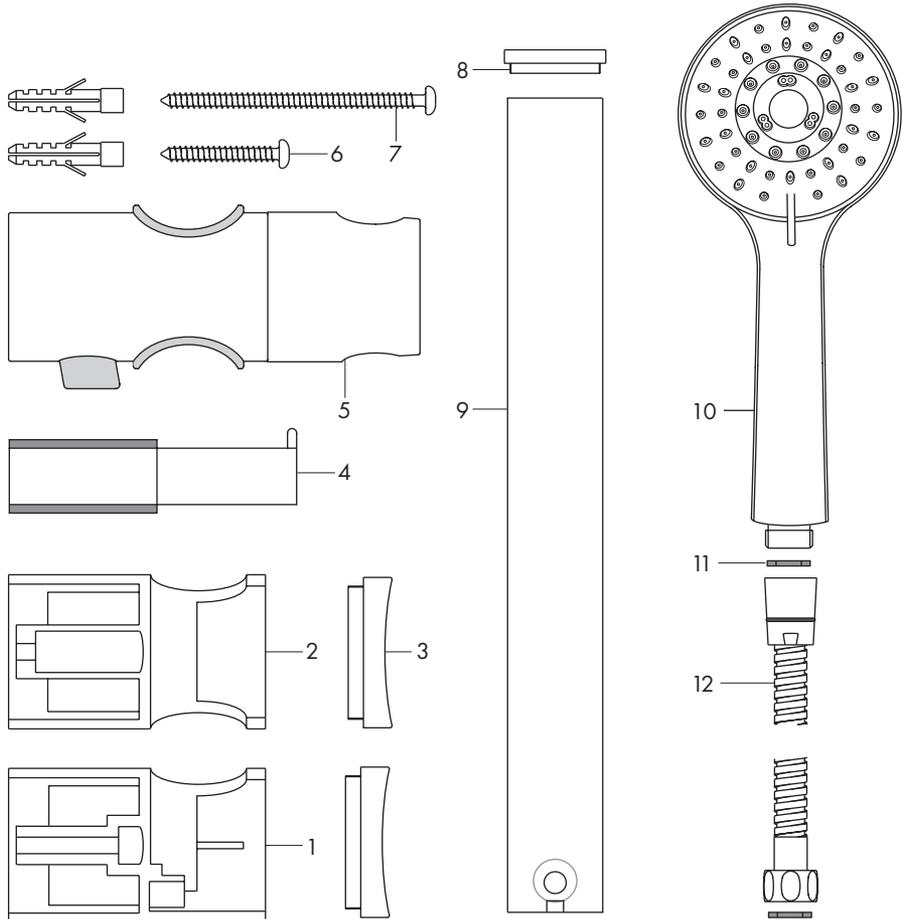
Fault	Diagnosis
Showering temperature is not hot enough	<p>Ensure the hot water supply is at a constant temperature of 60 °C or 50 °C for HIU.</p> <p>Note: Failsafe function may be affected when the hot water supply is less than 60 °C</p> <p>Check for air locks in the pipework.</p> <p>Thermostatic cartridge movement limited due to lime scale build up. Re-calibration required.</p>
The water goes cold during showering	<p>Insufficient stored hot water.</p> <p>Check the supply temperature when used with a HIU</p> <p>When used with a combi boiler confirm that the boiler is still firing.</p> <p>Adjust the boiler to 65 °C which may not necessarily be the best flow rate.</p>
When the water is set at cold, the showering temperature is too hot	<p>Hot and Cold supply connections have been reversed.</p> <p>Thermostatic cartridge movement limited due to lime scale build up. Re-calibration required.</p>
Maximum showering temperature is too hot or when set to hot the water runs cold	<p>Check the commissioned maximum temperature of the valve.</p> <p>Check the connections to the valve are not reversed.</p> <p>Thermostatic cartridge movement limited due to lime scale build up</p>
Flow of water through the valve is low	<p>Check the filters are clean and the supply pressure is above 0.5 bar</p>
No flow of water	<p>Ensure the valve has not fail-safed, and check that there is hot and cold water flow to the valve.</p> <p>Ensure the check valves are not closed</p>
Shower is stiff to operate	<p>Build-up of limescale on flow control cartridge - service and de-scale</p>

Flexible Rise Rail - Dimensions



The diagram is for illustration purposes only as Intotec reserves the right to change the design without notice

Flexible Rise Rail - Components



Item	Qty	Component	Item	Qty	Component
1	1	Bottom Wall Bracket	7	1	M4 x 30 Screw and Plug
2	1	Top Wall Bracket	8	1	Rail Cap
3	2	Cover	9	1	Rail
4	1	Flexible Tidy	10	1	Handset
5	1	Handset Holder	11	2	Sealing Washer
6	1	M4 x 70 Screw and Plug	12	1	Flexible Hose

Slide Rail - Installation

The screws and wall plugs supplied are only suitable for use in solid walls. If the wall is plaster board or soft building block use special wall plugs obtainable from most DIY stores.

Ensure there are no supply pipes or cables where you intend to drill.

Where possible, drill holes between ceramic tiles (in the grout). If drilling into ceramic tiles use a ceramic bit.

This product must always be used and fitted in such a way as not to cause water damage, therefore should be located and directed towards a suitable shower tray.

Take care to use power tools safely.

Carefully remove the cover (3) from each wall bracket (1) and (2) to expose the fixing hole. Drill the 6mm diameter hole for the bottom wall bracket (1).

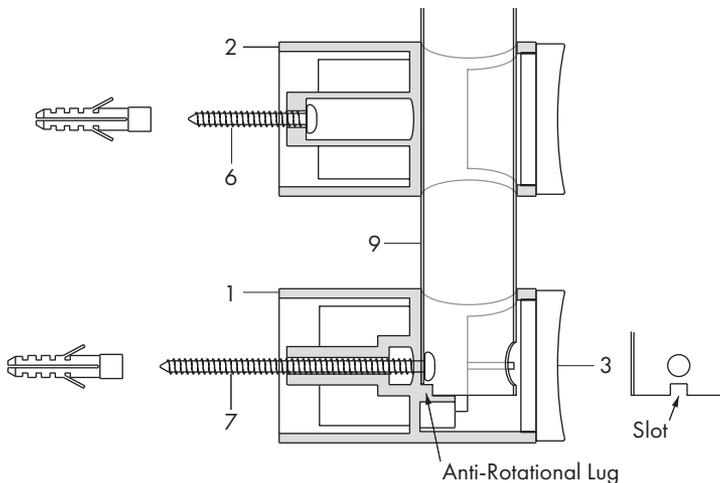
To avoid cracking ensure the wall plug is pushed all the way behind the ceramic tile.

Using the 70mm long screw (7) provided temporarily secure the wall bracket (1) to the wall ensuring the correct orientation for the bracket.

Slide the top wall bracket (2) onto the riser rail (9) and position in the bottom wall bracket (1) ensuring that the slot at the bottom of the riser rail is located over the anti-rotational lug.

Locate the upper bracket onto the wall towards the upper end of rail, approximately 50mm from the end, ensuring the rail is vertical.

Mark round the upper wall brackets with a removable marker onto the wall.



Slide Rail - Installation

Position the top wall bracket (2) onto the wall within the markings and using the hole as a template, drill a 6mm diameter hole.

Fix the upper wall bracket to the wall using the 30mm long screw and secure.

Assemble the end cap (8) into the end of the rail without horizontal hole.

Assemble the handset holder (5) and the flexible tidy (4) onto the riser rail below the handset holder.

Unscrew the 70mm long screw (7) and remove from the bottom wall bracket (1).

Pass the rail assembly through the hole in the top wall bracket (2) and locate in the bottom wall bracket (1) ensuring that the slot at the bottom of the riser rail is located over the anti-rotational lug.

Pass the 70mm long screw through the hole in the rail and through the wall bracket and secure. The head of the screw should be inside the rail as shown.

Refit the covers (3) into the wall brackets

Ensure the sealing washers (11) are inserted into both ends of the flexible hose (12) and connect the hose to the shower valve and the handset (10).

Turn on the shower valve and check joints for leakage.

Shower Valve Application

The thermostatic shower mixer has been tested as meeting the general requirements of the BS EN 1111:2017 and BS EN 1287:2017 as being suitable for use on the following designations.

Shower **HP** and **LP-S**

Recommended Outlet Temperatures

The recommends maximum mixed water outlet temperature for use in all premises:

Application	Recommended Hot Water Temperature
Shower	41 °C

The mixed water temperature must never exceed 43 °C.

The maximum mixed water temperature can be 2 °C above the recommended maximum set outlet temperature.

Note: 43 °C is the maximum mixed water temperature from a shower mixer. The maximum temperature takes account of the allowable tolerances inherent in thermostatic shower mixers and temperature losses.

It is not a safe bathing Temperature for adults or children.

The British Burns Association recommends 37 to 37.5 °C as a comfortable bathing temperature for children. In premises covered by the Care Standard Act 2000, the maximum mixed water outlet temperature is 43 °C.

Installation

Important: - The following instructions must be read prior to the installation of the thermostatic shower valve. The installer of the thermostatic shower valve must comply with the requirements of the Water supply (Water Fittings) Regulations 1999 and also be aware of their responsibility and duty of care to ensure that all aspects of the installation comply with the regulations.

It has been brought to our attention that flushing water systems using certain chemicals may wholly or partially remove the lubricant from the internal workings of the valve, which may adversely affect its performance. We recommend that following flushing the system with chemicals; valves are checked for correct operation.

1. It is essential that before installing any thermostatic shower valve to ensure that the supply conditions of the system to which the valve is intended to be fitted are checked to confirm compliance with the parameters as quoted within the technical specification and conditions on which the approval is granted i.e. verify supply temperatures, supply pressures, risk assessment.

Installation Continued

2. Consideration must be made for the possibility of multiple / simultaneous demands being made on the supply system whilst the thermostatic shower valve is in use, all practical precautions must be made to ensure that the valve is not affected. Failure to make provision within the pipe sizing etc. will affect the performance of the shower valve.
3. The supply to which the thermostatic shower valve is to be installed must be thoroughly flushed and cleaned to remove any debris, which may have accumulated during the installation. Failure to remove any debris will affect the performance and the manufacturer's warranty of the product. In areas that are subject to aggressive water, provision must be made to treat the supplies prior to the supplies entering the shower valve.
4. The thermostatic shower valve has been designed for concealed installation with the concealing plate on a vertical surface.
5. The thermostatic shower valve will be installed in such a position that maintenance of its components, associated valves and the commissioning and testing of the shower valve can be undertaken.
6. The hot and cold water supplies must be connected to the valve strictly in accordance with the indications on the body of the valve i.e. hot water supply to the hot port of the valve.
7. In a situation where one or both of the water supplies are excessive, it is recommended to fit a Pressure Reducing Valve to reduce the pressure(s) to within the limits as quoted previously.
8. Any thermostatic shower valve must be fitted with a back flow prevention device, such as check valves to prevent the cross contamination of supplies. The thermostatic shower valve is supplied complete with integral insert check valves and strainers.
9. Isolation valves in an accessible position are required as close as is practicable to the water supply inlets of the thermostatic shower valve.
10. The fitting of strainers is recommended as close as is practicable to the water supply inlets of the thermostatic shower valve.
11. It is essential that the fail safe thermostatic shower valve should not be installed in situations where there is a possibility of the valve being deprived of water or where demands for water are greater than the actual stored supplies.
12. To ensure that the performance levels of the thermostatic shower valve are maintained (in the event of cold water failure), the temperature of the hot water supply at the point of entry to the thermostatic shower valve must be a minimum of 10 °C above the commissioned mixed water discharge temperature.
13. The fail-safe thermostatic shower valve must not be subject to any extreme temperature variations either during the installation or under normal operating conditions.

Commissioning

Important: - The following instructions must be read and understood prior to commissioning the thermostatic shower valve. If under any circumstances there are aspects to the installation / system which do not comply with the specification laid down, the valve **MUST NOT** be put into operation until the system / installation complies with the specification. However if all these conditions are met, proceed to set the temperature as follows;

1. Ensure that the system is thoroughly cleaned and free from any debris prior to commissioning the thermostatic shower valve.
2. Commissioning the temperatures must be carried out using a suitably calibrated thermometer, preferably a digital thermometer. The sensing part of the thermometer probe must be fully submerged in the water when testing.
3. The valve must be commissioned taking into consideration any fluctuations, which may occur within the system due to simultaneous demands. It is advisable that any outlets which are connected to the same supply as the shower valve are open during setting of the mixed water temperature. It is advisable to ensure that the water temperatures are established before any attempt to commission.
4. Once the supply temperatures are stable and the normal operating conditions are established, the shower valve can be commissioned. The following sequence should be followed when commissioning the valve;
 - 4.1 The first step in commissioning a thermostatic shower valve is to check the following:
 - The designation of the thermostatic shower valve matches the application.
 - The supply pressures are within the valve's operating range.
 - The supply temperatures are within the valve's operating range.
 - Isolating valves (and 'Y' strainers preferred) are provided.
 - 4.2 If all these conditions are met, proceed to set the temperature following the procedure described earlier in the Calibration section on page 13.
 - 4.3 Measure and record the temperature of the hot and cold water supplies at the connection to the valve - should be set to 38 °C at security button.
 - 4.4 Measure and record the temperature of the water discharging from the valve.
 - 4.5 Isolate the cold water supply to the valve and monitor the mixed water temperature.
 - 4.6 Measure and record the maximum mixed water temperature and the final temperature. The final temperature found during the test should not exceed the values quoted.
 - 4.7 Record all the equipment used during the commissioning.
 - 4.8 The mixed water temperature at the terminal fitting must never exceed 2 °C above the set temperature.

Commissioning Continued

5. If the mixed water temperature exceeds the recommended temperature of 41 °C by 2 °C or does not reach 41 °C the shower valve can be adjusted as follows:
 - 5.1 With stable supply conditions remove the temperature control knob.
 - 5.2 Rotate the temperature control knob by one spline clockwise to increase the temperature and one spline anticlockwise to reduce it.
 - 5.3 Measure the water discharging from the shower.
 - 5.4 Repeat 5.2 until the desired temperature is stabilised and record the temperature.
 - 5.5 Repeat 4.4 and 4.5
 - 5.6 Secure the temperature control knob with the retaining screw and re-fit the cover.
6. The above information must be recorded and updated on every occasion when any work is carried out on the valve.

In Service Testing

It is recommended that all valves shall be verified against the original set temperature results once a year. When commissioning / testing is due the following performance checks shall be carried out.

1. Measure the mixed water temperature at the outlet.
2. Carry out the cold water supply isolation test by isolating the cold water supply, wait for five seconds if water is still flowing check that the temperature is below 43 °C.
3. If there is no significant change to the set outlet temperature (± 2 °C or less from the original settings) and the fail-safe shut off is functioning, then the valve is working correctly and no further service work is required.

Notes:

- If there is a residual flow during the commissioning or the annual verification (cold water supply isolation test), then this is acceptable providing the temperature of the water seeping from the valve is no more than 2 °C above the designated maximum mixed water outlet temperature setting of the valve.
- Temperature readings should be taken at the normal flow rate after allowing for the system to stabilise.
- The sensing part of the thermometer probe must be fully submerged in the water to be tested.
- Any thermostatic shower that has been adjusted or serviced must be re-commissioned and re-tested in accordance with the manufacturers' instructions

inspiration

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30-10-24