

Guarantee

This product is guaranteed against faulty materials and workmanship for 12 months from date of purchase. For the guarantee to be valid, the unit must be installed by a competent person, in accordance with the instruction booklet.

Any part found to be defective during the guarantee period, will (at our option) be repaired or replaced, free of charge, provided the unit has been installed, and properly used in accordance with the instruction booklet.

This guarantee does not affect your statutory rights.

Service Policy (Available in UK and ROI only)

In the event of a product or component fault, firstly follow the general fault diagnosis procedure to ensure the difficulty can be resolved.

If the fault can not be identified using the procedure, call the installer to check installation is correct.

Failing this, please contact the Customer Service Department on the telephone number below.

Have following information prepared, to help identify the product:
Model type, Date of purchase, unit serial number (if available).

The Customer Service Department will attempt to diagnose the cause of the fault and advise the necessary action to resolve the problem over the phone.

If the fault can not be resolved and a service call is required, a Site Visit Request form will be sent to you to complete and return.

Where applicable a fixed fee payment for parts and/or labour will be levied. The cost incurred and payment methods will be advised over the phone and on the Site Visit Request form.

A completed form, along with payment (if applicable) must be received before the Service callout can be arranged.

If the problem is not product related or is a component not of our manufacture, a fixed fee will be made to cover Site Visit costs. Additional costs for parts used to rectify the non-product related problem may be imposed.

During the visit, yourself or a responsible person should be present at all times. Charges will be made if the Service Engineer or Agent can not gain site access at the prearranged time.

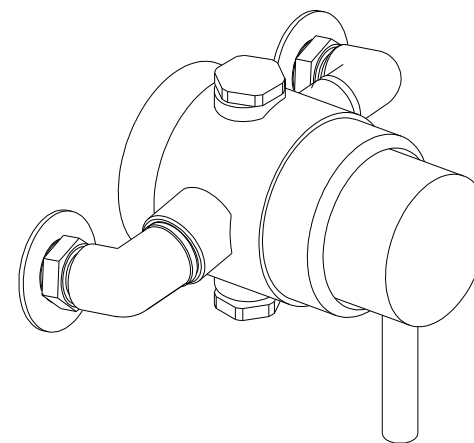
Ensure water and/or electricity supplies have adequate isolation to the unit. If the unit is concealed, serviceable access should be available. If servicing difficulties arise from not making the provisions detailed, additional time related costs or a recall charge will be imposed.

Customer Care

 **0121 765 3387**

Contemporary

Lever Exposed Thermostatic Shower Valve And Kit



Installation, Operating and Maintenance Guide

INSTALLER

Please leave guide with user for reference.

Specifications

General

The installation, commissioning and maintenance must be carried out in accordance with instructions supplied and be installed by qualified and competent persons.

Installations must comply with all Local and National Water Authority Regulations, and Building and Plumbing Regulations. If in doubt contact a registered plumber or the secretary, Institute of Plumbing, 64 Station Lane, Hornchurch, Essex, Rm21 6NB. Telephone: 01708 472791.

Temperature Control

Minimum cold water supply temperature: **5°C**
Maximum cold water supply temperature: **20°C**

Maximum hot water supply temperature: **85°C**
(a temperature of 60-65°C is recommended for ablutionary installations)

Note! A suitable hot water temperature control device should be installed to reduce temperatures exceeding the above maximum hot water supply temperature.

Minimum temperature differential between hot supply and outlet temperature: **10°C**
(eg. shower temperature 43°C: minimum hot supply 53°C)

Factory pre-set temperature: **43°C**

Thermostatic control range: **38-45°C**

Performance

Operating pressures for valve and kit.

| Pressure (bar) | 0.1 | 0.25 | 0.5 | 1 | 2 | 3 |
|----------------|-----|------|-----|----|----|----|
| Valve only | 8 | 14.5 | 26 | 29 | 42 | 52 |
| Full kit | * | * | 4.5 | 6 | 9 | 11 |

* Operating pressure not recommended.

Please note the overhead pressures have been shown for Full kit.

Fault Finder

| Fault | Cause | Rectification |
|---|--|--|
| No or reduced flow and/or fluctuating temperature. | <ul style="list-style-type: none"> - Shower head blocked. - Isolating valve partially closed. - Instantaneous boiler cycling on and off as flow rate/pressure too low. - Bottom cap setting incorrect. - Gravity head of water below minimum required. - Blockage in supplies/mixing valve. - Other draw offs in use causing pressure or temperature changes. - Supply pressures unequal. - Flow limiters incorrectly fitted. - Air lock in system. - Shower cross circulating. | <ul style="list-style-type: none"> - Clear debris from shower head. - Open valve. - Adjust bottom cap setting. - Check boiler settings are correct. - Contact boiler manufacturer. - Adjust bottom cap setting. - Raise tank or fit pump. - Dismantle and check for debris. - Flush supplies before refitting. - Do not use other draw offs whilst showering. - See maximum pressure differential in Specifications. - Check Application Selection. - Check System Requirements for correct installation method. - Check non return valves and condition of seals. |
| Maximum outlet temperature too hot or too cold. | <ul style="list-style-type: none"> - Maximum temperature incorrectly set. | <ul style="list-style-type: none"> - Reset maximum temperature. Refer to Instructions. |
| Maximum temperature too cold or runs cold after a short time (maximum temperature set or fully adjusted). | <ul style="list-style-type: none"> - Hot water is less than 10°C above the outlet temperature required. - Insufficient hot water supply or storage (running out of hot water). - Instantaneous boiler not igniting as water flow rate/pressure too low. | <ul style="list-style-type: none"> - Adjust tank temperature to 60-65°C. Ensure hot water is up to temperature. - Check tank or heater capacities. Low capacity equals shorter showering time. - Adjust bottom cap setting. - Increase flow through system. - Increase pressure in system. - Check for blockages. - Contact boiler manufacturer. |
| Outlet flow too much. | <ul style="list-style-type: none"> - Flow limiters incorrectly fitted. | <ul style="list-style-type: none"> - Check Application Selection. |
| Only hot or cold water at outlet | <ul style="list-style-type: none"> - Inlet supplies reversed/backwards. - Inlet supplies blocked. | <ul style="list-style-type: none"> - Ensure supplies are connected correctly to hot and cold inlets. - Clean out debris. |
| Shower will not shut off or leaking from body. | <ul style="list-style-type: none"> - Seal damage or wear. - Scale build up inside mixer. - Inlet pressures above maximum recommendations. | <ul style="list-style-type: none"> - Renew all seals. - Dismantle and check for debris - Ensure supply pressures are within Specification. - Fit pressure regulating valve if necessary. |
| No thermostatic fail safe. | <ul style="list-style-type: none"> - Inlet temperatures not within specification. - Piston assembly jammed. - Thermostat failure. - Debris trapped in mechanism. - Inlet supplies reversed. | <ul style="list-style-type: none"> - Check inlet temperatures, hot supply should be 10°C higher than shower outlet temperature. - Dismantle and check for debris. - Replace thermostat. - Dismantle and check for debris. - Ensure supplies are connected correctly to hot and cold inlets. |

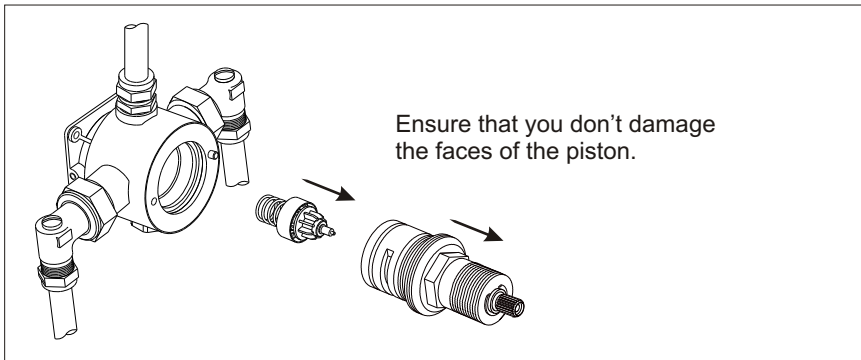
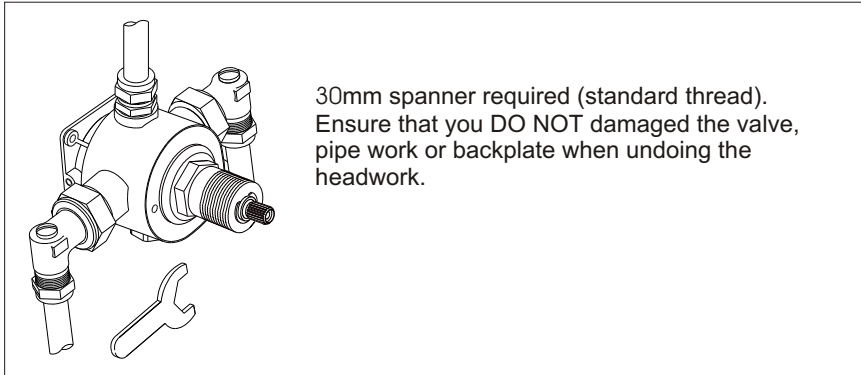
Cleaning

These finishes should be cleaned using a mild washing up detergent or soap solution, rinsed with clean water and wiped dry with a soft cloth.

Service Guide

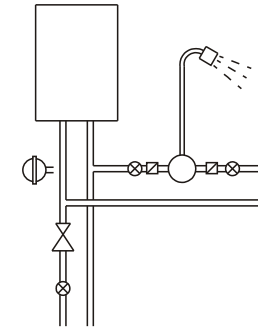
If your Thermostatic Mixing Valve fails to operate it could be the result of incorrect installation. Please refer to installation and sit requirements. If the valve has operated correctly for a time, but no longer performs acceptably, it may require servicing/cleaning. Proceed as follows;

- 1) Isolate hot and cold supplies.
- 2) Remove the headwork assembly and spline adaptor if applicable
- 3) For concealed models, you can remove the concealing surround by inserting a thin blade at the back of the plate and rotating the blade round the back, you can then proceed to pull the plate off the valve.
- 4) Unscrew the cartridge (standard right hand thread).
- 5) Remove the thermostat, distributor assembly and spring.
- 6) Remove all visible 'o' rings and washers from the body.










Compatible Systems

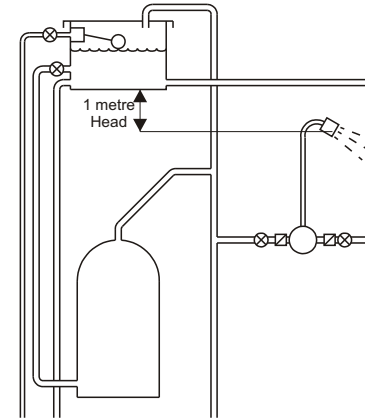
Instantaneous heated system (Gas or Electric)



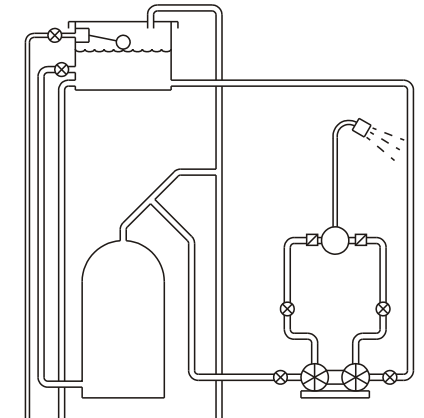
Key

-  Shower inc. non-return valves
-  Isolating valve
-  Tempering valve
-  Pressure regulating valve
-  Strainer
-  Expansion vessel (optional)
-  Twin Impeller Pump

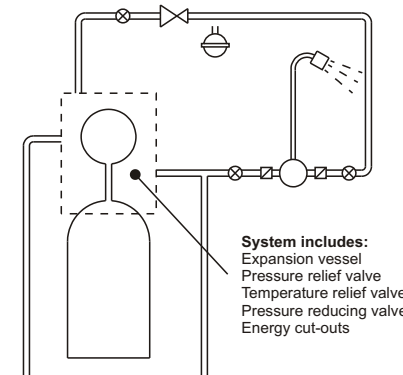
Gravity fed system



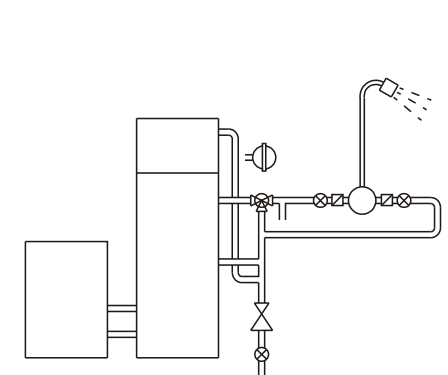
Pumped system



Unvented mains pressure system



Mains pressurised hot water system



Compatible Systems

For optimum performance from the thermostatic mixing valve, use the table below for Recommendations for flow limiter selection.

| Supply System | | Flow Limiter | | Comments |
|--|-----------------------------------|-----------------|---|-------------------------------------|
| Cold Supply | Hot Supply | Cold | Hot | |
| 0.1 to 1.0 bar | 0.1 to 1.0 bar | No | No | Maximum pressure loss ratio 5:1 |
| 1 to 5 bar or Pumped | 1 to 5 bar or Pumped | Green (7 litre) | Yellow (5 litre) | # Use arrangement for pumped system |
| Mains 1.5 to 10 bar | Gravity 0.1 to 0.2 bar | White Disc | No | |
| | Gravity 0.2 to 0.5 bar | Green (7 litre) | No | |
| | Gravity above 0.5 bar | Green (7 litre) | Yellow (5 litre) | |
| | Unvented Mains/ Mains Pressurised | | | |
| | Instantaneous Gas Water Heater | Green (7 litre) | *Yellow (5 litre) | |
| ***Instantaneous Electric Water Heater | Green (7 litre) | No | **Open Bottom Cap extra ½ turn anti-clockwise | |

Limiters can be fitted if water economy is required.

* Yellow (5 litre) limiter may not be necessary on some gas heaters.

** The bottom cap is factory set at 3/4 turn from fully closed position.

*** **IMPORTANT!** - It is a requirement of Instantaneous Electric Water Heaters that a stable flow of water passes through the heater. This requirement can be satisfied by using a flow stabiliser (960060) fitted prior to the heater and should be adjusted to give a temperature of between 45-50°C from the heater.

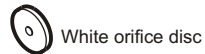
Fitting limiter or orifice disc and Bottom Cap adjustment



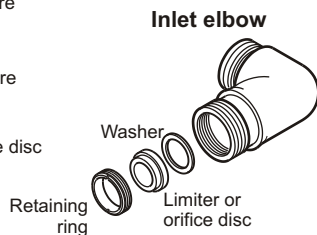
Green - 7 litre



Yellow - 5 litre



White orifice disc

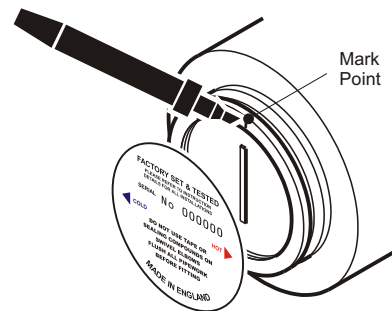


Inlet elbow

Washer

Limiter or orifice disc

Retaining ring



Mark Point

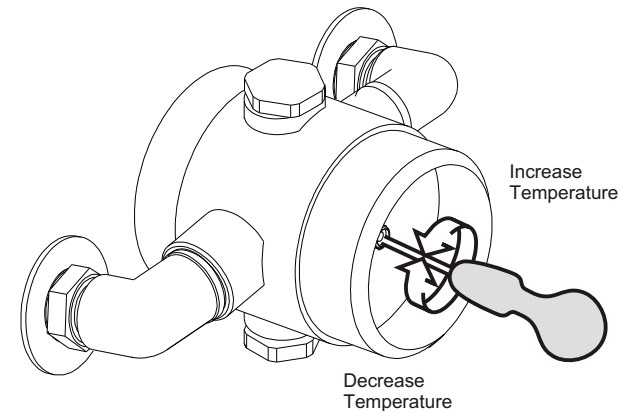
FACTORY SET & TESTED
 DISK POSITION INDICATED
 DISK NO 000000
 DO NOT OILY THIS DISK
 WASH WITH CLEAN WATER
 AFTER ALL REPAIRS
 BEFORE FITTING
 MADE IN ENGLAND

Remove wall bracket from mixing valve (see Installation). Peel off label to reveal Bottom Cap, with a marker pen, mark a point in-line with slot. Turn extra anticlockwise ½ (180°) turn using a screw driver.

Maximum Temperature Setting

The maximum mixed water temperature should be limited to ensure no undesirable temperature is obtained. If necessary adjust as follows -

- 1) Turn the knob anti-clockwise to the maximum temperature position.
- 2) Unscrew lever and remove grub screw using allen key.
- 3) Pull off knob to reveal spindle.
- 4) Using a fine screwdriver through the spindle turn the adjusting screw to alter the maximum temperature.
- 5) When the desired temperature is obtained replace the knob assembly.
 - ▶ Turn the adjusting screw clockwise for cooler temperature.
 - ▶ Turn the adjusting screw anti-clockwise for warmer temperature.



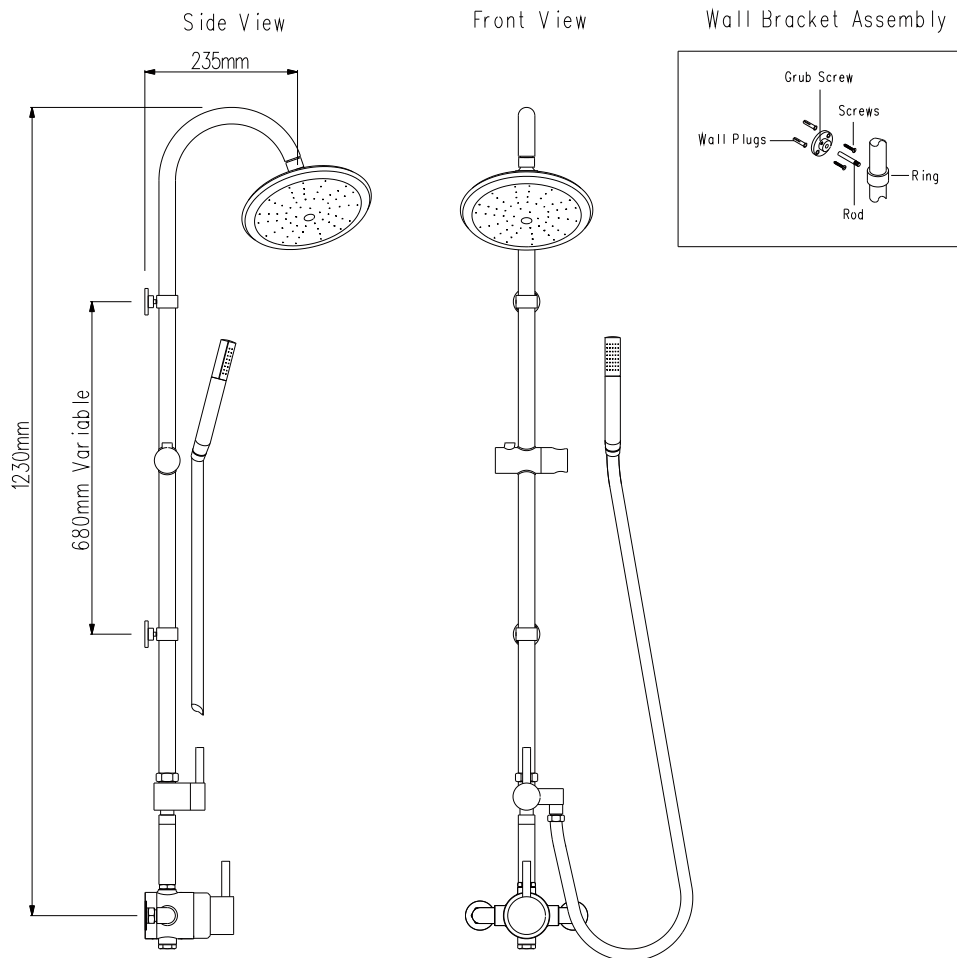
Increase Temperature

Decrease Temperature

Installation

Using complete valve and kit

- 1) With the shower mixing valve installed, connect the rigid riser (with brackets and slider) onto the valve using the extension tube. Ensure all seals are correct.
- 2) Use the brackets as a guide for the wall connection. Mark/ drill and plug holes to suit wall brackets and fix into place using fittings. Secure into place by screwing the rod into the rail and tightening the grub screw, using hexagonal key, located in the wall bracket. See below.
- 3) Screw on the shower rose/ hose and handset.



Installation

The installation, commissioning and maintenance must be carried out in accordance with instructions supplied and be installed by qualified and competent persons. Installations must comply with all Local and National Water Authority Regulations, and Building and Plumbing Regulations.

Exposed Model

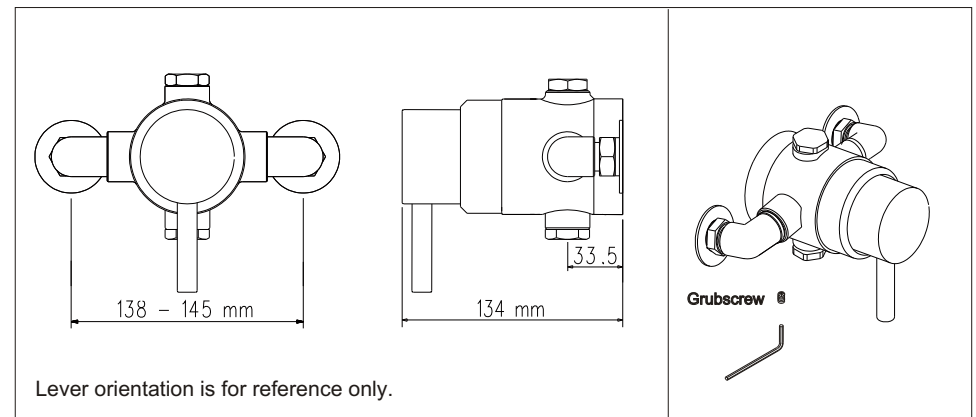
1. Determine the routes of the hot and cold supply pipework. The mixer can be fed from the top, rear or bottom. See Dimensions below for pipe inlet centres.
2. Install supply pipework. Accessible isolating valves are recommended for maintenance.

Note! Try fit of mixing valve to pipework, each inlet elbow can be unscrewed 1½ turns to allow for adjustment and location.

3. Remove the wall bracket from the rear of the mixer by loosening retaining grub screw on the underside of mixer with the hexagon key.
4. Use the wall bracket to mark hole positions. Drill wall and insert suitable wall plugs for fixing screws.
5. Fit bracket to wall using fixing screws. Ensure retaining hole for grub screw is at the bottom.

Important! Ensure supply pipework is flushed to clear debris before connecting mixer. Do not use sealing compounds on connections.

6. Offer mixing valve to pipework and tighten the wall bracket retaining screw.
7. Make connections to inlet supplies. Ensure inlet strainers supplied are fitted.

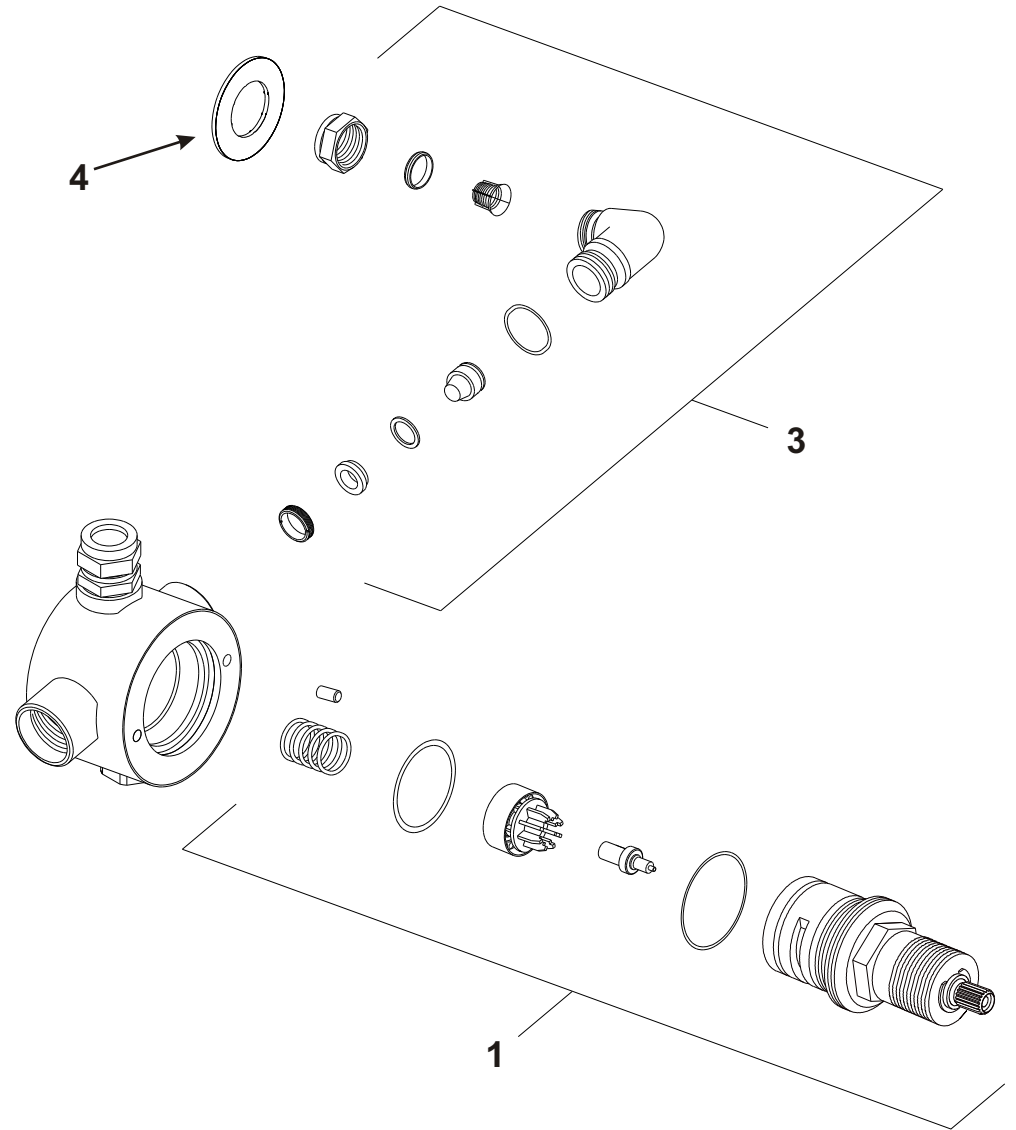
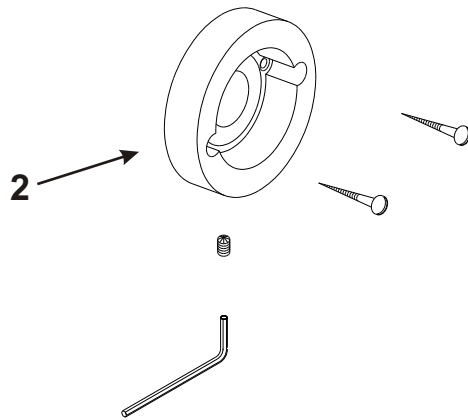


Valve Assembly

Exploded diagram showing valve components and their spare kits codes.

| REF NUMBER | DESCRIPTION | PART NUMBER |
|------------|-----------------------------|--------------|
| 1 | COMPLETE CARTRIDGE ASSEMBLY | SKAK4000 |
| 2 | BACKPLATE | EXP - 220019 |
| 3 | COMPLETE ELBOW ASSEMBLY | SKINLET-7 |
| 4 | WALL COVER PLATE | 220039 |

DRAWING SHOWN WITHOUT
HANDLE ASSEMBLY



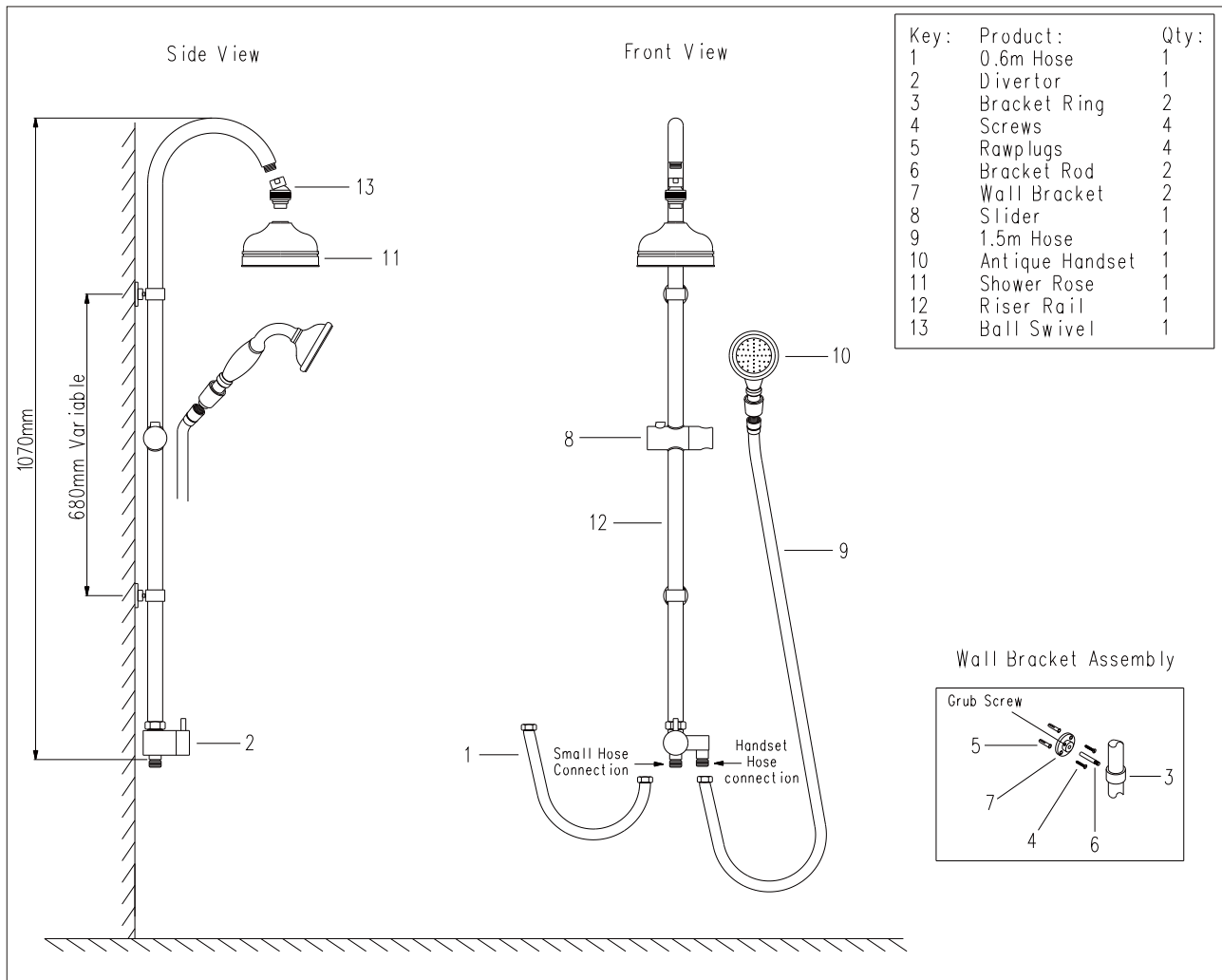
Please note all diagrams are for reference only and may differ in appearance of purchased product.

USER INSTALLATION INSTRUCTION

MODEL: SFKIT-ALX

● CHECK EVERY COMPONENT BEFORE INSTALLATION

1. After you open this package, please check the components illustrated are included in the box.
2. If any components are missing please contact us at the address on this leaflet.



● IMPORTANT INFORMATION BEFORE YOU START

1. Thank you for using our high quality products. The product has been factory tested; please do not disassemble any sub-assembled components.
2. Please ensure there are no hidden service pipes and cables where you intend to drill.
3. Please flush out any new supply pipe work to remove any debris that may impair the performance of the showerhead and hand spray before connecting to the shower valve or bath shower mixer.

Minimum working pressure required is 0.5 bar (16 ft head of water) Maximum is 5 bar .

4. For your safety please isolate any local water and electricity supplies before drilling the wall.

● INSTALLATION INFORMATION

This product is designed to connect to an existing shower or bath shower mixer. Before attempting to fit please establish the position of the riser kit and ensure that the connecting hose (1) reaches the outlet connection of the mixer. Please ensure sufficient pressure and flow is available through the mixer to supply the deluge kit.

1. Installation of the riser kit.

- 1.1 As per drawing above, drill four holes in the wall for the brackets in a suitable position for the tallest user. Insert The wall plugs (5) into the holes.
- 1.2 Attach wall brackets (7) to wall using screws.
- 1.3 Onto the Riser (12) place the bracket ring (3), slider (8) then the other bracket ring (3).

USER INSTALLATION INSTRUCTION

MODEL: SFKIT-ALX

1.4 Screw the small rod* (6) into the bracket ring (3) using the attached wall brackets (7) as measurement reference. Attach riser rail assembly onto the wall brackets and secure by tightening grub screws in the wall brackets using the allen key.

1.5 Check the hex-nut is screwed down; align the direction of rising pipe (12) and diverter valve (2) to be same facing forward.

2. Connect showers & flexible hose

2.1 Fit the shower rose (11) and ball swivel (13) onto the rising pipe (12) using sealing washer provided.

2.2 Connect the hex-nut of the long hose (9) to the outlet connector (right side) of the diverter valve (2). Place the hand shower into the slider (8).

2.3 Connect the hex-nut of the short hose (1) to the shower mixer, connect the other end of the hose to the inlet (bottom) connector of the diverter valve (2).

2.4 Press down the slider button, adjust the height of the slider (8) to suit user.

* - Bracket rods (6) may need to be cut to fit riser rail vertically onto wall.

Ensure all connections are tight and leak proof before using the shower.

Operation of this kit.

Turn on the shower mixer and select the desired temperature. Please note this kit does not control the showering temperature. Depending on the type of mixer used and the installation conditions it is recommended to turn on cold water first then blend in the hot water until a safe comfortable temperature is reached before using the shower. When making adjustments to the temperature it is advisable to move out of the stream of water until the desired temperature is reached.

Never leave children or elderly people unattended in the shower.

1.1 Simply rotate the diverter lever to select overhead or hand shower functions.

1.2 The angle of the overhead shower rose can be adjusted simply by moving the showerhead.

1.3 To adjust the height of the handset depress the button on the slider (8) and move to desired height.

● CARE AND MAINTENANCE

1 This product has a high quality surface finish. To maintain the finish simply wipe with a mild detergent on a soft damp cloth, rinse with clean water and dry off with a soft dry cloth. Never use abrasive cleansers or chemical household cleaners, avoid contact with concentrated bleach.

2 For any spare part requirement please contact A&J Gummers at the address below.

3 Occasionally check the showerheads are free of scale and debris, which may impair performance.

● GUARANTEE

This product is manufactured to the highest of standards and is guaranteed for 1 year covering any defect in manufacture. Please contact our After Sales department in the case of a guarantee enquiry. Proof of purchase in the form of a dated receipt may be required.

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