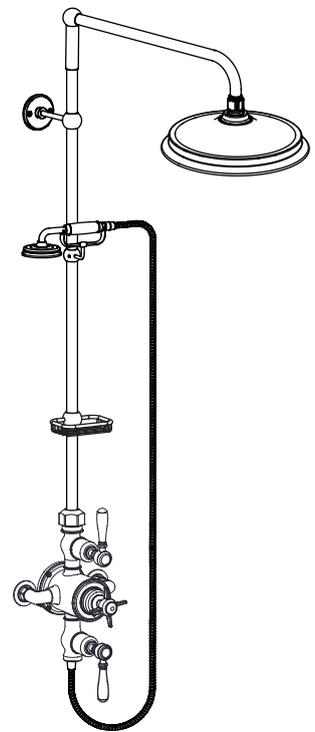


## Arcade Exposed Thermostatic Shower Set US-H401-ARC

### Installation Instructions



### Introduction

This exposed valve is suitable for use with all water systems up to a maximum operating pressure of 72 psi and static pressure of 144 psi, beyond which pressure-reducing valves must be installed.

The outlet is controlled by a flow control cartridge, commonly used for a main shower head.

**IMPORTANT: Please read these instructions carefully before beginning installation and retain for future reference. These instructions have been prepared for guidance. Please exercise due care at all times. We do not accept responsibility for any problems that may occur through incorrect installation.**

Before beginning installation, check to ensure that no damage has occurred during transport. **Note: Damage claims cannot be made during or after installation**

### Installation notes

The installation must comply with all plumbing codes including local codes. This valve is a mixing device and therefore requires the water supplies to be reasonably balanced, otherwise a pressure-reducing valve is recommended.

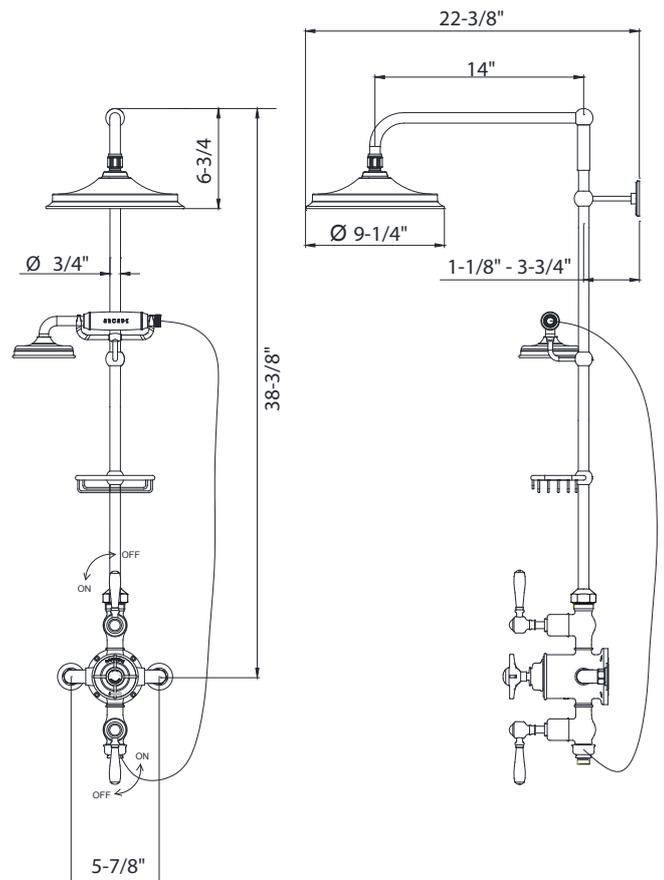
The valve is fitted with integral single check valve cartridges, therefore the exposed valve is protected against cross-flow due to unbalanced line pressures.

Installing shut-off valves on incoming supply lines is recommended for ease of maintenance.

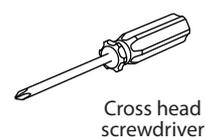
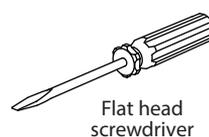
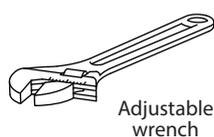
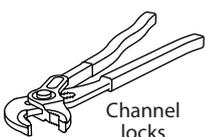
**IMPORTANT: Turn off the main water supply before connecting to any existing pipework.**

**WARNING! Please check for any hidden pipes and cables, electric or otherwise, before drilling holes in a wall or floor.**

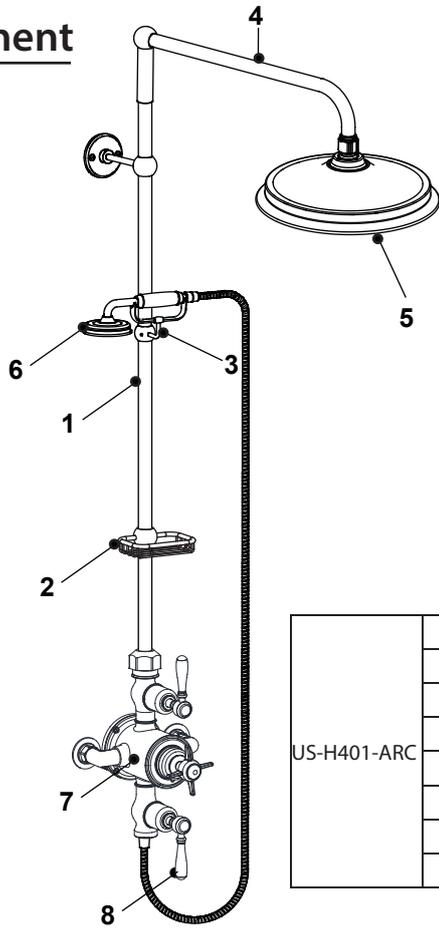
### Roughing-in dimensions



### Tools required



## Component

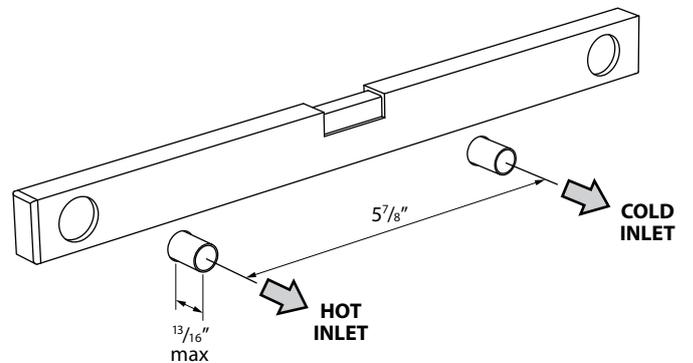


US-H401-ARC	1	US-ARCV21	Arcade Exposed Thermostat Riser Kit
	2	US-ARCV23	Arcade Soap Dish For Riser
	3	US-ARCV24	Arcade Handshower Cradle For Riser
	4	US-ARCV11_1	Arcade Wall-mount Straight Shower Arm
	5	US-ARCV17	Arcade 9" Shower Head
	6	US-ARC31	Arcade Handshower & Hose
	7	US-ARC1000EV	Arcade Exposed Thermo Valve with Shut-off
	8	US-ARC_SHOWER	Arcade Exposed Bottom Shut-off Outlet

## Installation Instructions

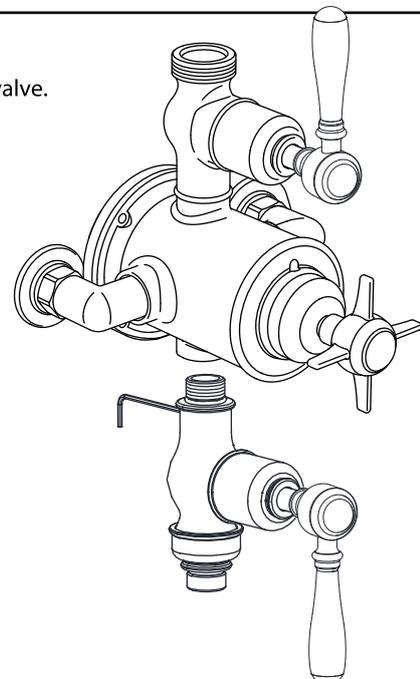
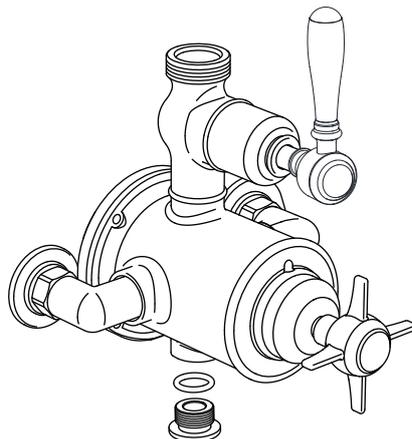
### 1 Installation

- Make sure that the hot and cold inlet pipes have been installed correctly.
- The inlet pipes should be perpendicular to the wall, have a maximum length of  $1\frac{3}{16}$ " , are level and are  $5\frac{7}{8}$ " apart as shown opposite.



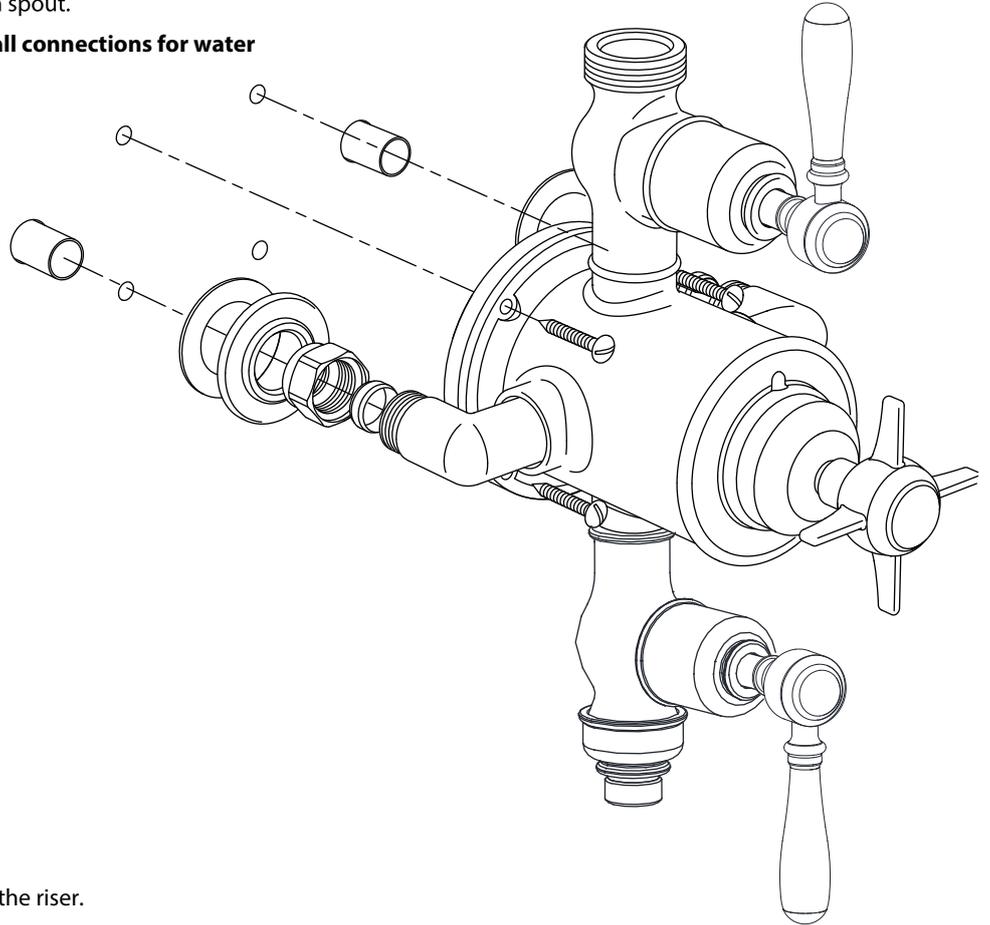
### 2 Installation

- Remove the bottom nut from the valve body
- Install the Exposed bottom Shut-Off Outlet (US-ARC\_Shower) onto the thermostatic valve.



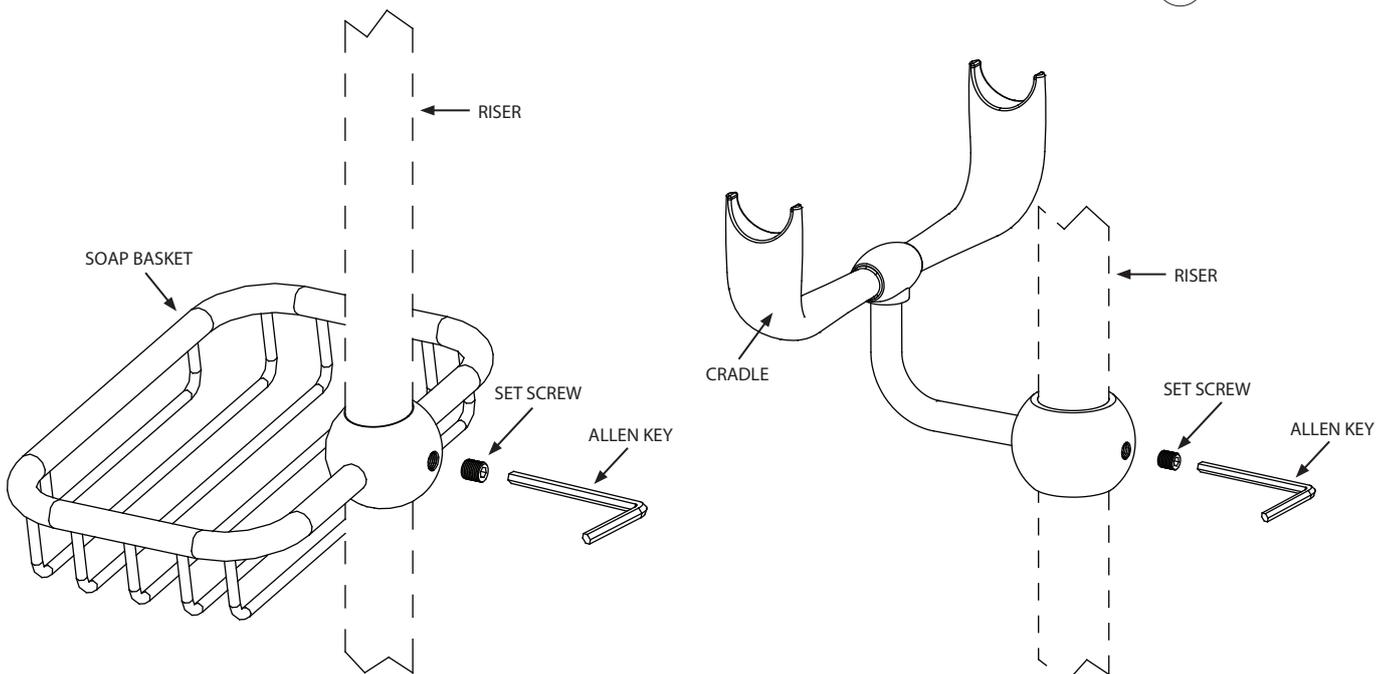
### 3 Installation

- Position the valve onto the wall and mark the position of the fixing holes (x4).
- Drill the fixing holes.
- Mount the exposed valve to the wall using suitable fixings for the wall construction.
- Connect the hot and cold water supplies and main outlet.
- Once valve is installed, add the riser rail to the top outlet. To install the bottom spout remove the stop located at the bottom of the valve and connect on/off lever then spout.
- **Turn on the water supplies and test all connections for water leaks.**



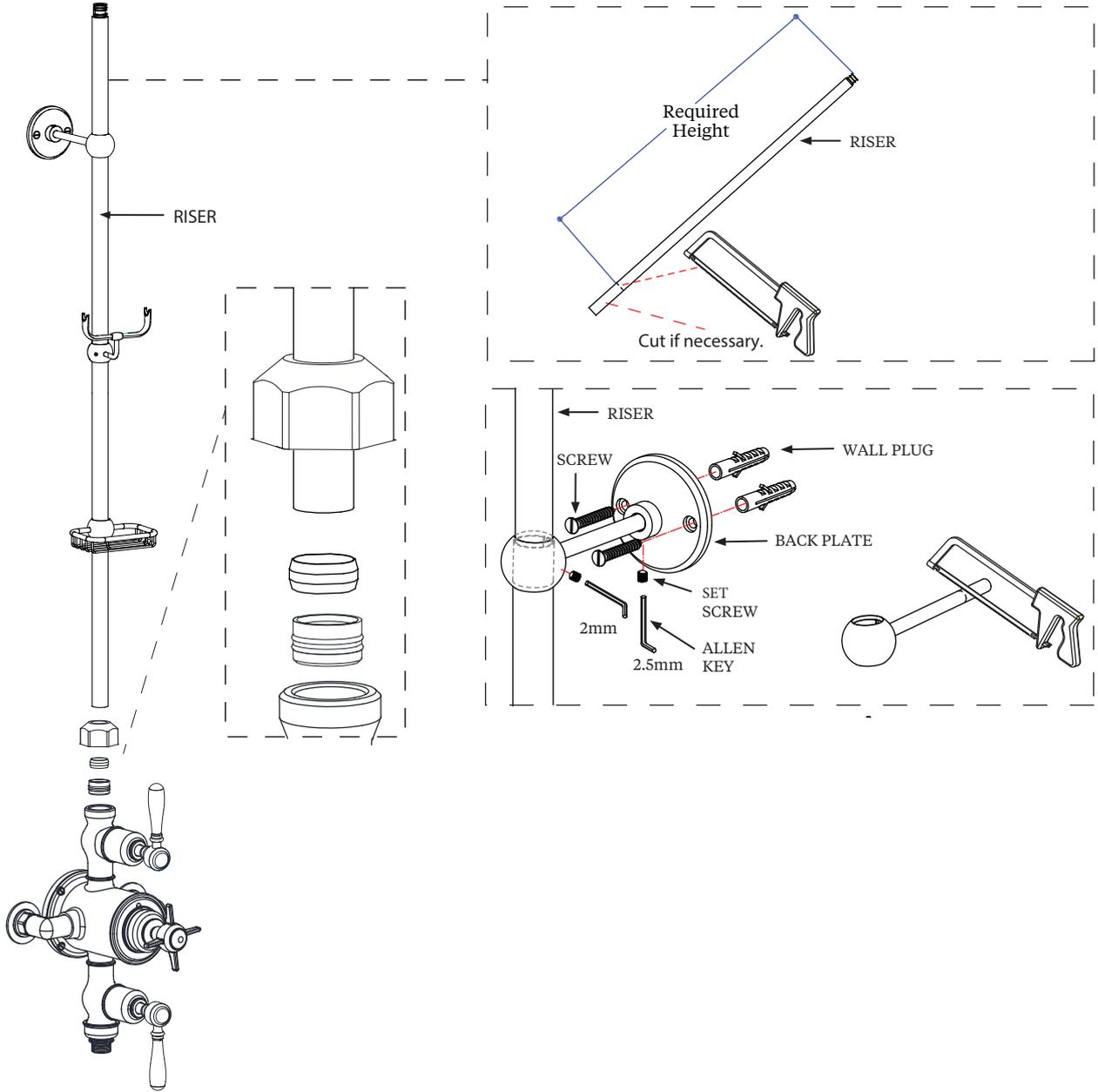
### 4 Installation

Assemble the soap bracket & cradle onto the riser.



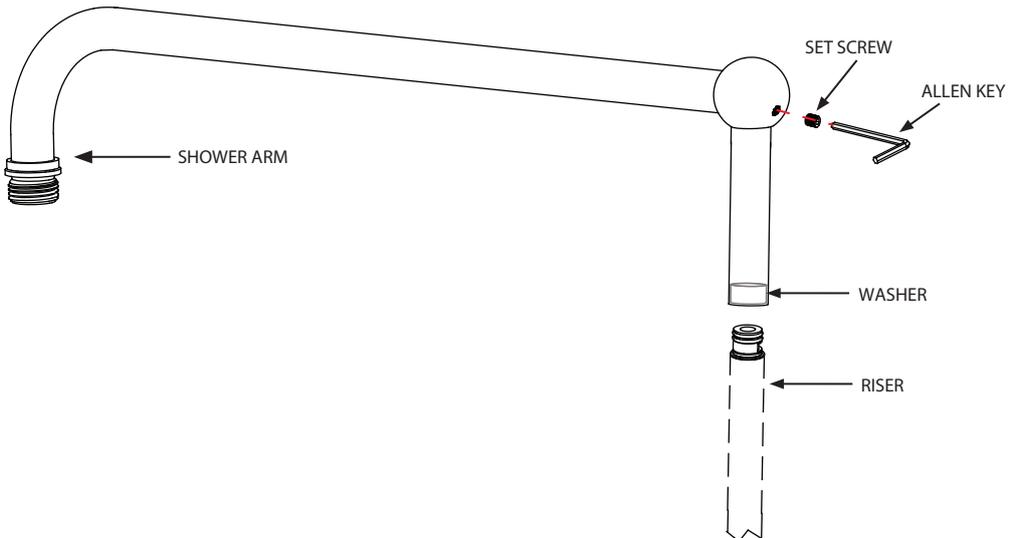
## 5 Installation

Connect the riser with the valve, and fix the riser onto the wall.



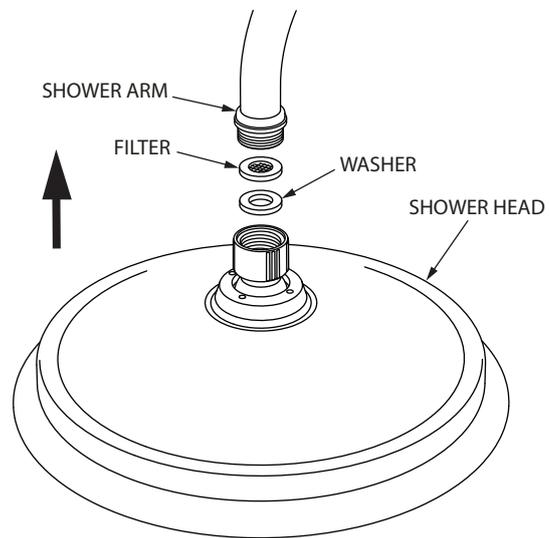
## 6 Installation

Assemble the shower arm onto the riser.



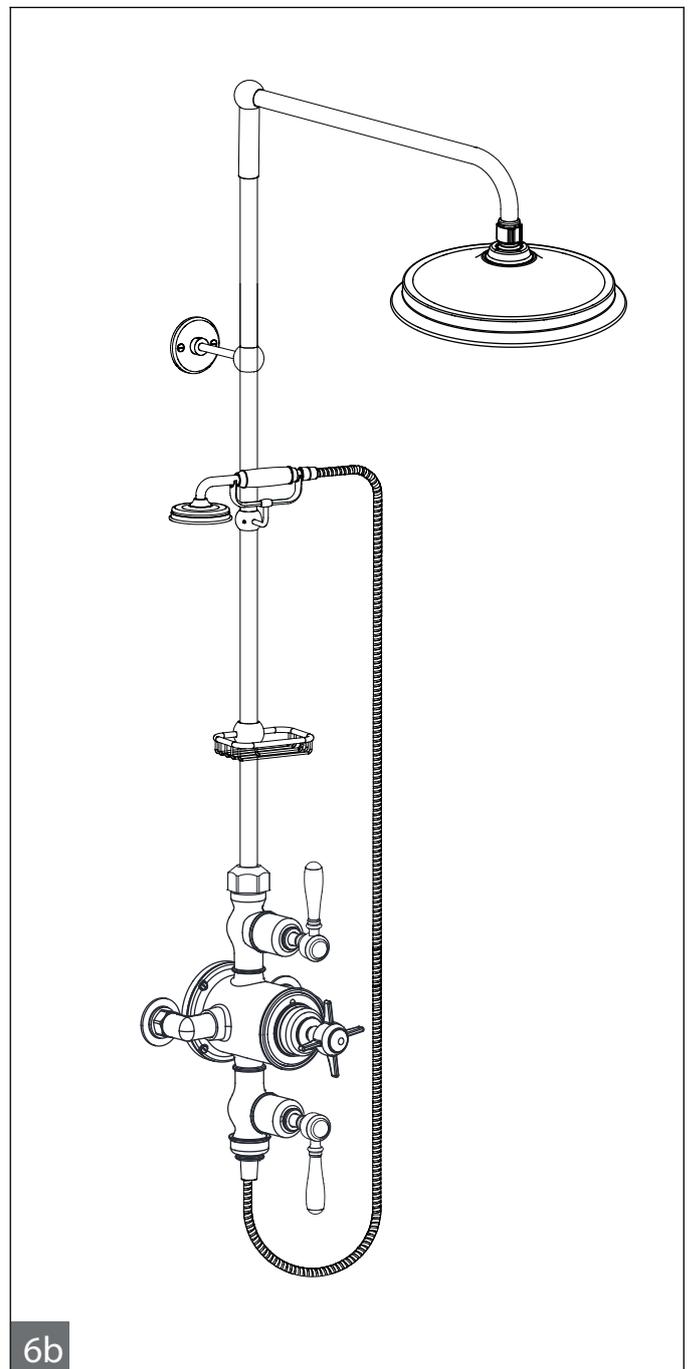
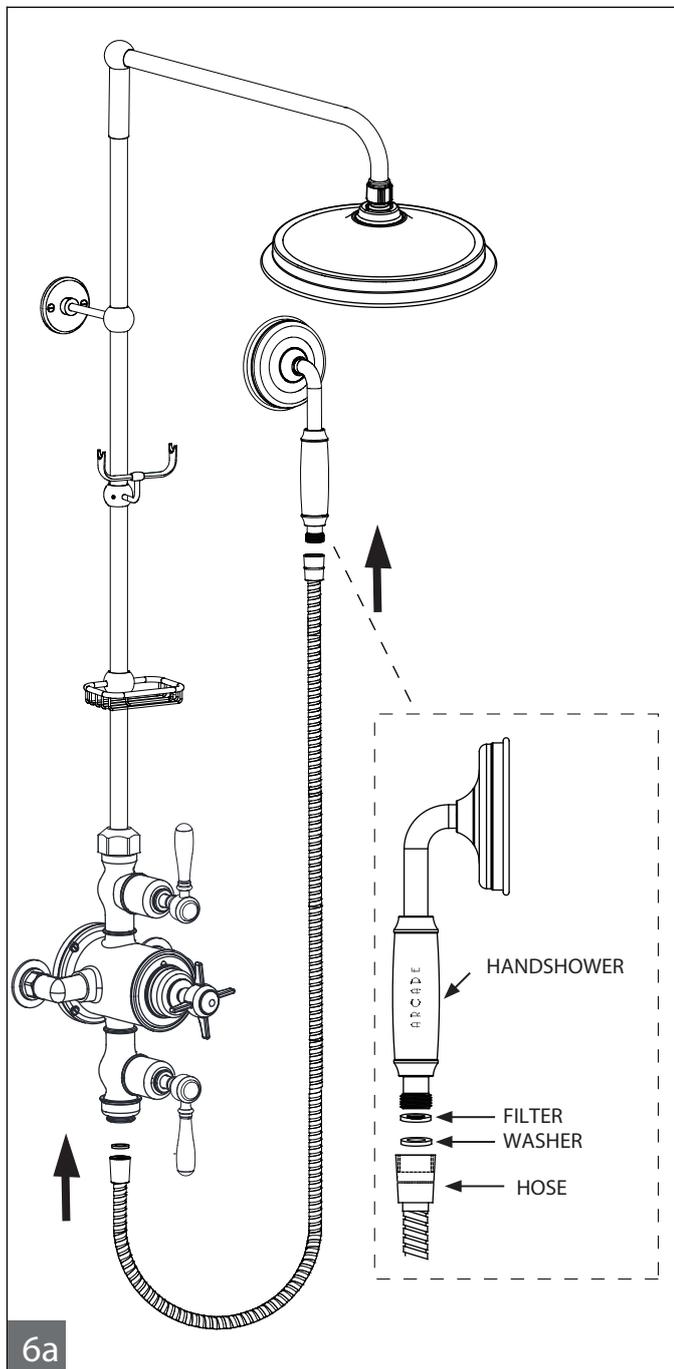
## 7 Installation

Assemble the shower head.



## 8 Installation

Connect the hose to the valve body and put the handshower on the cradle.



## 9 Cleaning Instructions

Rinse away any traces of soap and gently dry with a clean, soft cloth after each use. Rinse completely with water and dry any overspray. This will maintain the finish and avoid water spotting.

To remove mineral deposits, use a 50/50 solution of white vinegar and water. Do not allow the solution to soak on the product. Simichrome Polish® contains a protective film to enhance maintenance and is helpful in preventing water spot buildup. Follow instructions to ensure optimum results.

Never use an abrasive material such as a brush or scouring pad to clean the surface. The use of abrasive cleaners, cleansers or disinfectants will alter the surface finish and void the warranty.

Do not allow certain materials such as toothpaste, cologne, shaving cream, nail polish remover, vinegar, wine, drain and glass cleaners to remain on the surface. Prolonged contact will alter surface finishes and void the warranty.

**We DO NOT recommend using any household cleaners as many can cause damage to the finish.**

Please see the website for care instructions for specific finishes.

### Maintenance for thermostatic valve US-ARC1000EV

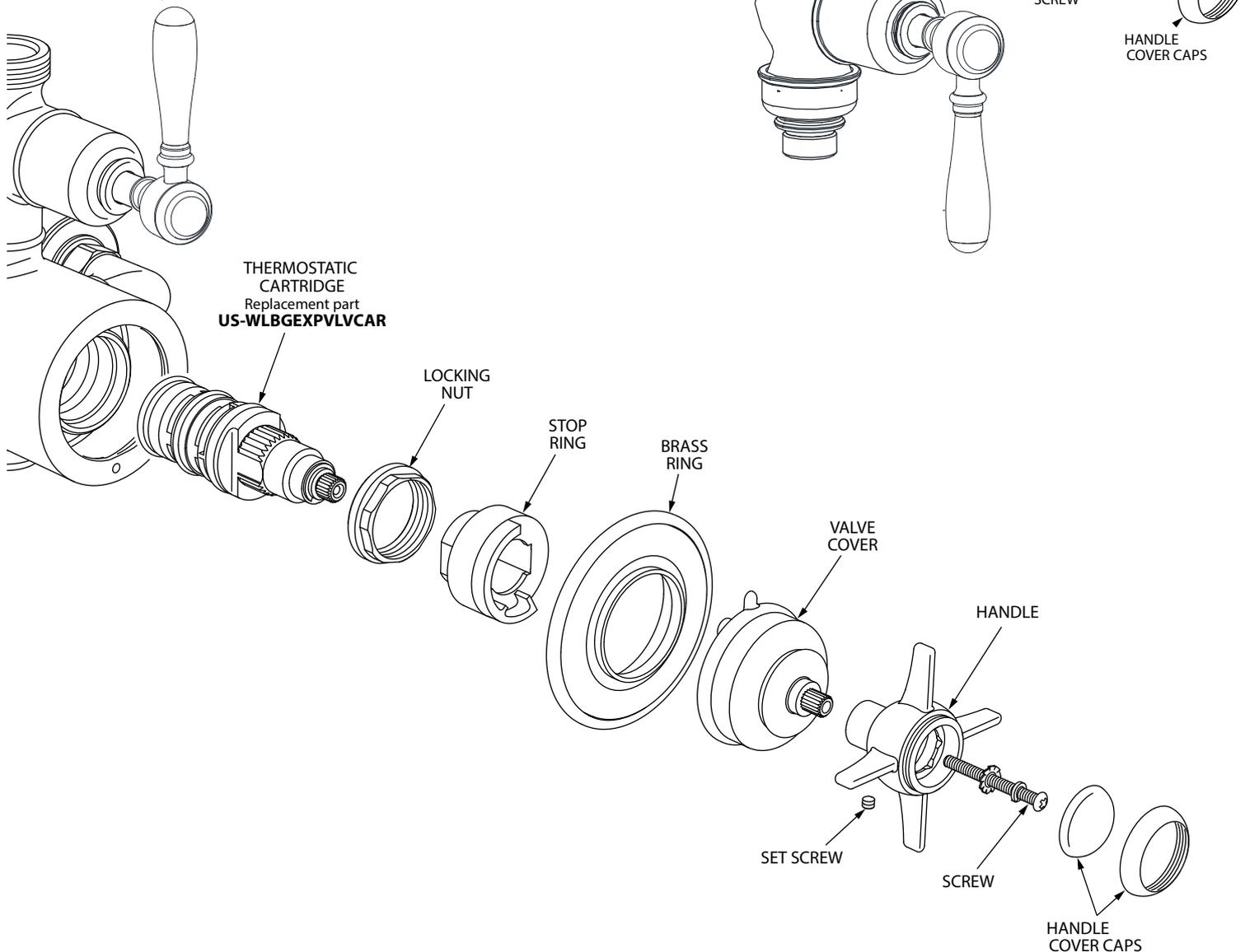
**NOTE:** To avoid damage, please remove all plated parts before maintenance takes place.

#### Thermostatic cartridges

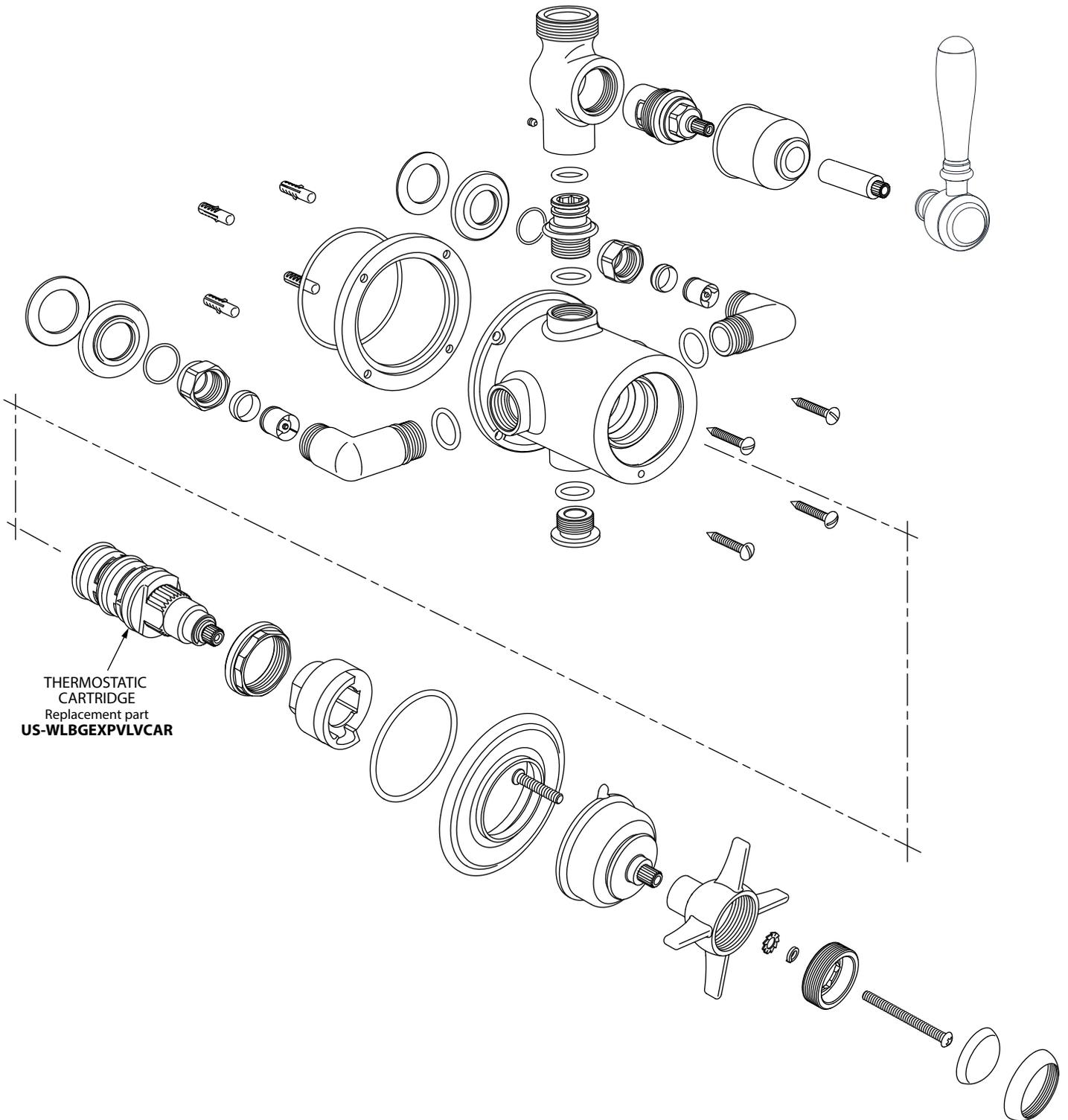
- The 1" concealed thermostatic valve should give trouble-free service however servicing is a straightforward process.

#### To remove the thermostatic cartridge

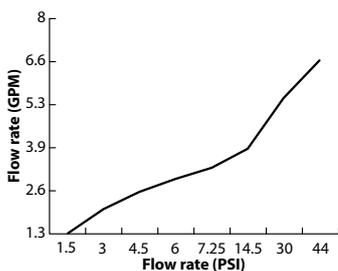
- Gently unscrew the cover cap from the handwheel.
- Undo the long screw and disassemble the parts as shown.
- Undo the cartridge locking nut, (take note of the orientation of the cartridge).
- Pull the cartridge out of the mixer housing.
- Wash the cartridge with clean running water and make sure that any trapped debris has been removed.
- Dry and lightly grease the seals, (only use silicone grease), and replace the cartridge.
- Re-assemble all parts.



# Spare parts



## Flow rate



## Appliance standards/codes

- IAPMO certified to meet or exceed the following;  
ASME A112.18.1 / CSA B125.1  
ASME A112.1016-2011 / CSA B125.16-11

**Warranty** - This **Crosswater London** product is covered by a limited lifetime warranty. For full details, terms and conditions please visit our website.

For further information contact: **Crosswater London** , 393 Fortune Blvd., Milford, MA 01757

[www.crosswaterlondon.com](http://www.crosswaterlondon.com)

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