

Important Technical Data:

- Minimum operating pressure 0.5 bar
- Maximum operating pressure 5 bar*
- Maximum cold water temperature 25°C
- Minimum hot water temperature 60°C
- Maximum recommended hot water temperature 80°C
- Factory default maximum 'safe zone' output temperature 41-42°C

*Note: If these pressures are exceeded, even for short periods, damage can result. In these instances a pressure reducing valve should be installed.

The incoming hot water temperature must be a minimum of 10°C above the outgoing water temperature to ensure the correct function of the thermostatic cut off.

All thermostatic products should be tested and cleaned at least once a year, mesh filters within nut (F) should be periodically checked and cleaned to maintain flow.

When drilling or preparing walls take care not to disturb existing water or electrical supplies that may be buried within the wall.

Supply pipes should maintain the maximum diameter until immediately before the fitting.

Hot and cold supply pressures should be as closely balanced as possible for best results. The differential between the hot and cold water supply temperatures should be sufficient to allow correct mixing function; the maximum hot / cold pressure differential ratio is 5:1. Where pressures are greatly imbalanced flow restricting valves or pressure reducing valves should be installed on the supply with the greater incoming pressure.

Abode products are either WRAS approved or manufactured in accordance with recognised European standards. Please ensure that your Abode product is fitted in accordance with Local Water Byelaws. Where hot and cold water mix within any product, then suitable non return valves should be installed to the hot and cold supplies to prevent backflow.

Whilst assembling this product take care not to accidentally loosen any screwed assemblies. PTFE tape can be used to ensure watertight joints on threaded connections, do not over tighten connections or allow pipes to be twisted or folded.

The installation should be periodically checked for damage, if the property is left unattended for a prolonged period we recommend isolating water supplies.

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Manufacturers Reference
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Wall Mounted thermostatic valve with rigid riser, fixed head and shower kit

5 Year Warranty Terms & Conditions:

In the unlikely event that you should experience any defect in the materials or workmanship of your new Abode product within FIVE years of purchase, the purchaser's sole remedy shall be the replacement (at the manufacturer's discretion) of all or any part of the product that is defective. Valves are guaranteed for a period of TWO years from purchase. Decorative surface finishes and O-rings are guaranteed for ONE year from the date of purchase provided that our advice concerning care has been observed and no scouring agents have been used.

This is provided that the product has been used for normal domestic purposes in the UK and that the care, installation and maintenance instructions have been observed. The warranty extends to the original purchaser only. You should retain a copy of your dated invoice as proof of purchase to validate any claims under this warranty.

Marks and scratches caused by improper installation or accidental damage are not covered by this guarantee. Neither are shade variations or any damage or defect caused by incorrect installation or abuse of the fitting.

Product Care Instructions:

To maintain the appearance of this product, ensure that it is regularly cleaned only using a clean, soft damp cloth. A solution of warm water and a mild liquid detergent may be used where necessary, and then the fitting rinsed thoroughly and wiped dry. Any other cleaning action or cleaning products will invalidate your warranty.

Abrasive cleaners, scouring cleaners, limescale cleaners and acidic cleaners **must not be used** under any circumstances. Avoid contact with all solvents (including chlorinated solvents, ketones or acetones as these may result in surface deterioration or etching). Also avoid contact with any harsh household chemicals such as bleach cleaners, drain cleaners, rust removers, paint strippers and toilet bowl cleaners, toothpaste, mouthwash, bar keepers friend or Brasso.

As we are continuously improving and developing our products range, finishes & colours, in the event of a valid claim, we may not be able to provide an identical replacement for the defective product throughout the warranty period. Where an identical product is no longer available, we will supply the nearest equivalent from our then current product range. In assessing your claim, we must be given the opportunity to inspect the product as installed prior to removal. Any product returns must be packaged carefully as received and complete.

No other warranties, express or implied, are made, including merchantability or fitness for a particular purpose. Under no circumstances shall the manufacturer be liable for any loss or damage arising from the purchase, use or inability to use this product, or for any special, indirect, incidental or consequential damages. No liability is accepted for consequential damage to other household fixtures, fittings or furnishings arising from this claim, even if attached to the product. No installer, dealer, agent or employee of Abode Home Products Limited has the authority to modify the obligations or limitations of this warranty.

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Please leave these instructions for your customer.

Installation Preparation:

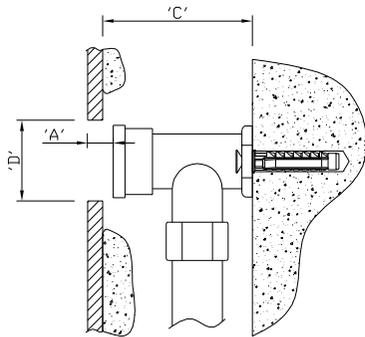
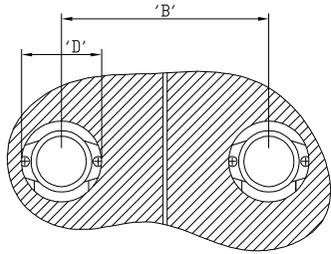
All parts should be removed from their packaging and inspected for any transport damage and completeness prior to installation; you should read these instructions throughout before commencing installation.

We do not accept responsibility for problems that may occur through improper installation. Always ensure you have sufficient hot and cold water pressure available to allow correct function before specifying or installing this product.

We strongly recommend installing particle filters and isolation valves to both the hot and cold feed pipes in an accessible position. This will help to prevent premature failure of the valves and ease any future maintenance.

Shut off your water heating system and ensure that your mains stopcock is closed. Ensure both the hot and cold water supplies are isolated before commencing installation.

- Open the wall out to the required width and depth for supply pipes (H) and elbow (F).
 - All serviceable parts should be given suitable access to allow easy future maintenance.
 - When preparing the piping run to this shower, arrange the hot pipe to be received to the left hand side of the shower when viewed from the front.
 - You should ensure that both the product and required fittings will fit into the depth and area of the mounting surface available before installation. Roughly assemble the product and plumbing connections to establish the required sizes 'A-D'.



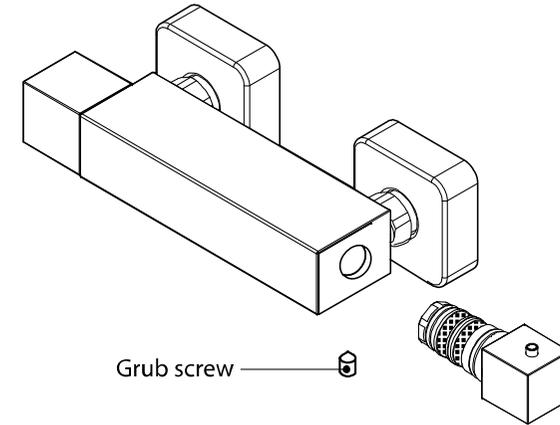
'A'	Distance from finished surface to fixed connector
'B'	Min/max distance between inlets centres when using unions (H)
'C'	Cavity depth for supply pipes and fixings
'D'	Finished hole diameter

- Fix elbow (F) or inlet pipes (H) securely to the wall using appropriate fixings (I). Note these fixings should be secure enough to support the shower body weight (A) during use.
 - Before installing the new shower **it is essential that you thoroughly flush through the supply pipes** in order to remove any remaining solder, swarf or impurities from your system. Failure to carry out this simple procedure could cause problems or damage to the workings of the shower and invalidate the warranty.
- Screw the eccentric unions (D) into the elbows (F) using PTFE tape or sealing compound to ensure a water tight connection. Note the 3/4" exit centre distances of unions (D) should match the shower inlets (F), be of equal projection from the wall (G) and allow enough thread length to include shroud (E), seal (C) and fixing nut (B). Test the water tightness of all inlet pipes and connections before progressing with the installation.

Valve Maintenance:

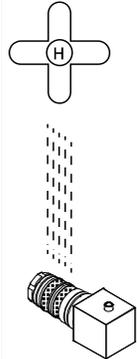
To access or replace the thermostatic mixer cartridge simply:

- Isolate the water supply to the installation.
- Unscrew the valve retaining grub screw located on the underside of the mixer as shown.
- Ease out the temperature mix handle complete with the thermostatic cartridge as shown.

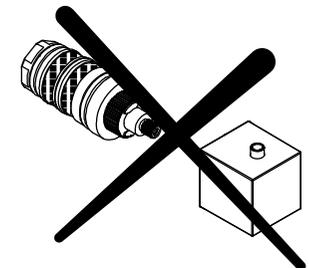


Cleaning Valve:

We recommend an annual service of the thermostatic cartridge to prolong its life expectancy. Simply follow the instructions above to remove the valve and rinse it under hot water to clear the filter mesh of dirt and limescale. Before re-inserting the cartridge ensure the o-rings are coated in a **silicone based grease**.



 Do not attempt to remove the valve cartridge. The valve cartridge and handle assembly are factory calibrated to 38°C and attempts to remove the handle from the thermostatic valve cartridge will invalidate the warranty



After installation:

Once you have visually checked the installation of the new product and all connections, ensure that all other fittings are closed except the new product which should be left open.

Turn on your water heating system and ensure that your mains stopcock is open. Reconnect both the hot and cold water supplies to this fitting.

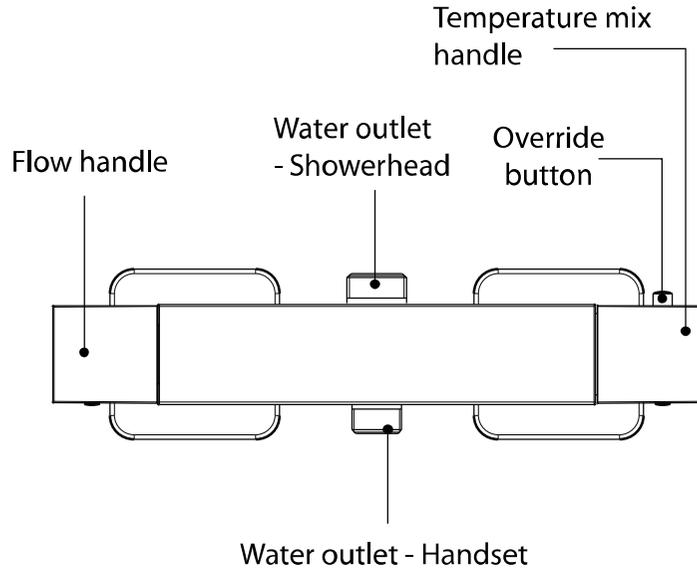
Check the function of flow and function of hot, cold and mixed water, where possible check the function of the thermostatic valve maximum temperature, and shut off function by interrupting the cold water source during use.

Turn off the product and check carefully for any leaks around all connections on the fitting and adjoining plumbing. If possible return to the installation after a longer period to double check for slower leaks. If pressure testing equipment is available check the installation to the maximum recommended pressure.

Clean the product to remove any marks created during installation as instructed then place a bag over the product to protect the product finish until it is ready for use.

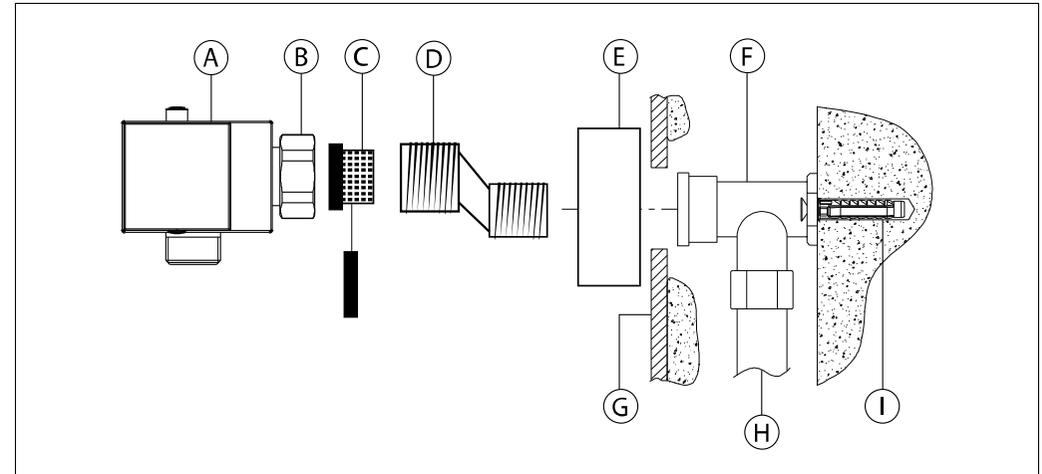
Using this product:

- The left side handle controls the flow rate and is operated anticlockwise on.
- The right side handle controls the temperature and is operated anticlockwise for higher temperatures. The factory set maximum temperature is 38°C (models with stop button) this can be overridden to a maximum of 42°C with the button depressed.



4. Make good the finished wall surface using tiles or similar, now prepare holes 'D' in the tiles. Ensure decorative shrouds (E) will cover the finished hole diameter 'D'.

Installation Guidance:

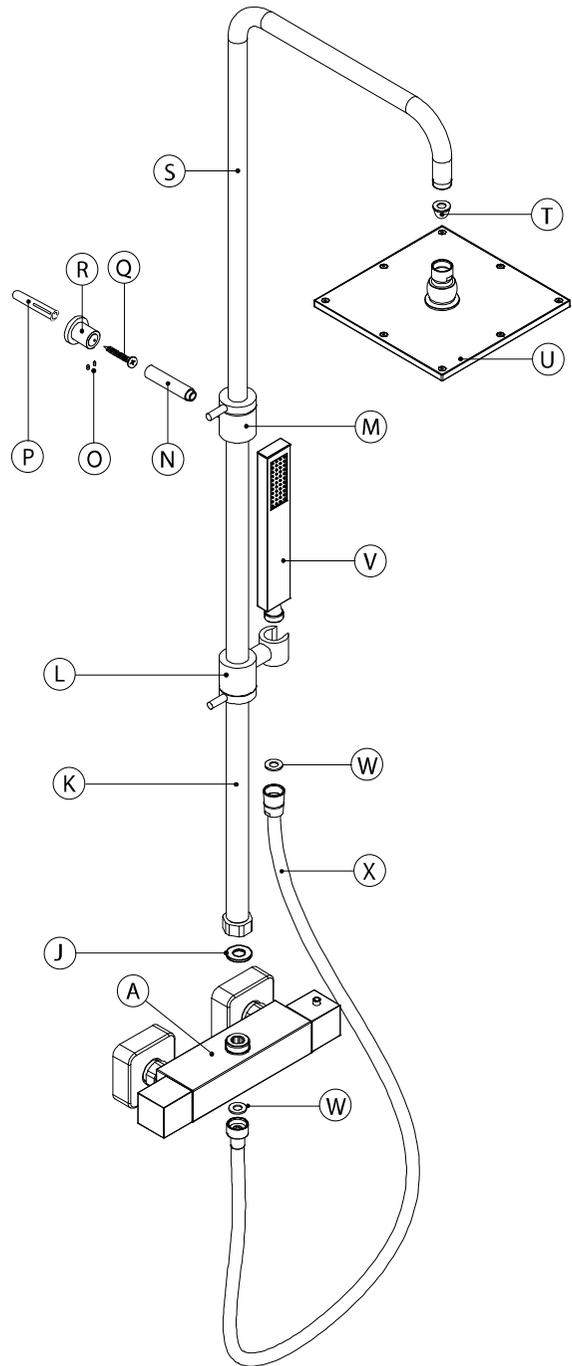


Key	Description	Qty.
A	Shower body	1
B	Locking nut	2
C	Mesh filter/Seal	2
D	1/2" x 3/4" connector	2
E	Wall cover plate	2
F	1/2" elbow	0
G	Finished wall surface	0
H	Rigid inlet pipe	0
I	Wall fixings	0

Installing the Shower Valve:

1. Watchfully Seal around the finished wall surface (G) and unions (D) to prevent water ingress into the wall. Note take care not to apply sealant to sections of thread on union (D) that are required for fixing later.
2. Slide or screw shrouds (E) over unions (D) flush to the finished wall surface (G).
3. Place seals (C) into fixing nuts (B).
4. Hand tighten fixing nuts (B) to unions (D).
5. Place a cloth or similar over the fixing nuts (B) then tighten nuts (B) fully. Take care not to mark the chromed surface of the shower (A).

Parts Diagram:



Parts List:

Key	Description	Qty.
J	Fibre washer	1
K	Shower column (Lower)	1
L	Handset holder	1
M	Height adjuster	1
N	Bracket peg	1
O	Grub screws	2
P	Wall plug	1
Q	Screw	1
R	Wall bracket	1
S	Shower column (Upper)	1
T	Filter/Seal	1
U	Showerhead (Dependent on model)	1
V	Handset (Dependent on model)	1
W	Hose seal	2
X	Shower hose	1

Installing the Shower Kit:

1. Screw shower column (S) to height adjuster (M) as shown.
2. Work out the correct height of the mounting bracket (R) and mark drill holes with pencil.
3. Drill appropriate size hole for wall plug (P).
4. Fix mounting bracket (R) to the wall using wall plug (P) and screw (Q).
5. Unscrew bracket peg (N) from height adjuster (M) and if required cut peg (N) to required length using a hack saw or similar.
6. Assemble showerhead (U) to shower column (S), ensuring that filter / seal (T) is in place.

Note: Wrap bracket peg (N) with a soft cloth when cutting to stop the peg getting damaged.

7. Screw bracket peg (N) into height adjuster (M).
8. Fix the shower column to the wall by inserting bracket peg (N) into (R) and tightening grub screws (O).
9. Attach the shower column (K) to the mixer body (A), ensuring that fibre washer (J) is in place.
10. Attach shower hose (X) to the handset (V) and mixer body (A) ensuring that hose seals (W) are in place.