5 Year Warranty Terms & Conditions:

In the unlikely event that you should experience any defect in the materials or workmanship of your new Abode mixer 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 FIVE years from purchase. Decorative surface finishes and Orings 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. 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.

Product Care Instructions:

To maintain the appearance of this tap, 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.

If the product has a removable spout diffuser it can be unscrewed and cleaned periodically in warm water to maintain flow.

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.



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.

Before installing the new mixer 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 product.

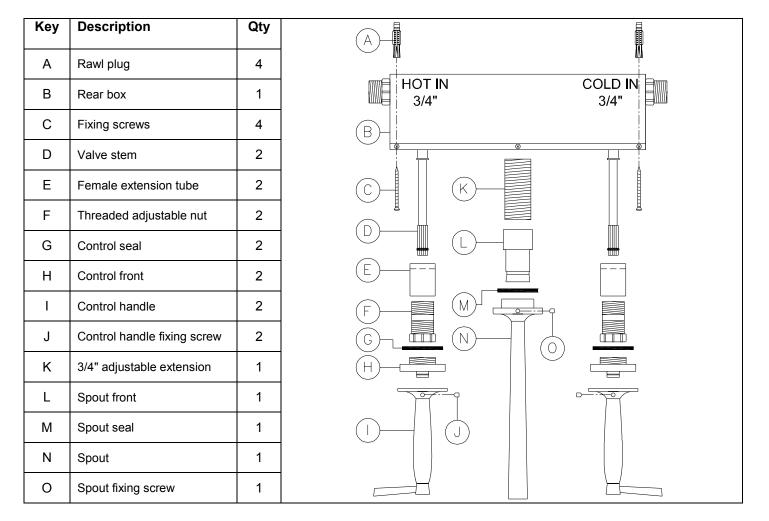
We strongly recommend installing particle filters and isolation values to both the hot and cold feed pipes in an accessible position. This will help to prevent premature failure of the values and ease any future maintenance.

All serviceable parts should be given suitable access to allow easy 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.

You should ensure that the product will both fit into the depth of the mounting surface available and reach the required outlet position before installation. This product requires 32, 35 & 32mm tapholes.

Loosely position the tap and connecting pipes to check if any alteration to the existing pipework is required, if this is the case do this now.



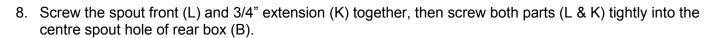
Installation Stage 1:

- Prepare a hole in the wall 93-123mm in depth from the finished tiled front, if the fixing wall is not flat or perpendicular to the finished tiled wall we suggest preparing a wooden mounting plate larger than rear box (B) to make mounting the box easier.
- 2. Screw the rear box (B) onto the rear wall using 4 x screws (C), plugs (A) or similar. Ensure the box is straight on all planes using a level. Ensure the box is firmly mounted to the fixing wall. Use the hole spacing indicated or the rear box itself as a template for pre-drilling plugs (A).
- 3. Connect the inlets on rear box (B) to the supply pipes using the appropriate sized 3/4" fittings (not supplied), hot water should be connected to the left side of box (B) as shown.
- 4. Unscrew the plastic valve stem protectors off the hot and cold valves stems (D).

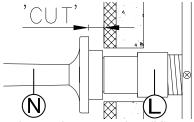
5. Screw the female extension tube (E) tightly over the outside of valve stem (D). Note: the internal thread of tube (E) is split; the shorter 4mm section of thread should be screwed to the valve stem (D).

- 6. Screw the threaded adjustable nut (F) to the control front (H).
- Screw this assembly (parts F&H) into the female extension tube (E), turn the assembly (F&H) until the rear disc face of the control front (H) is level with the finished tiled surface depth.

Note: If the assembly will not screw down to the required depth, the threaded adjustable nut (F) should be cut cleanly on the blank unthreaded section (apx. $\frac{1}{2}$ way along) the nut where marked. Once the assembly (F&H) has been checked for length it can be unscrewed.



 Loosen grub screw (O) using the 2.5mm Allen key and push the spout (N) onto the spout front (L). Carefully mark or measure the 'cut' distance between the rear of the spout face (N) and the finished tiled surface level.

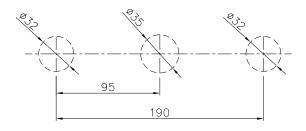


Cut here at

split line if

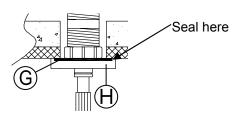
required

- 10. Remove parts (N, L & K) from the rear box (B). If required carefully and cleanly cut the extension (K) reducing the length of the part (K) by the measured 'cut' distance.
- 11. If separated screw the spout front (L) and uncut end of extension (K) tightly together using PTFE tape or sealing compound to create a water tight seal.
- 12. Screw the assembled parts (L & K) tightly into the rear box (B) using PTFE tape or sealing compound to create a water tight seal using a 10mm Allen key if available. You should carefully check the two sealed joints are water tight before continuing.
- 13. Tile around the box front leaving 32, 35, 32mm diameter holes at 95mm centres in line with the three rear box holes.



Installation Stage 2:

14. Place the control seal (G) on the rear of control front (H). Screw the assembly (F&H) tightly into the female extension tube (E). Seal carefully where indicated between the tiled surface and the control front (H) using silicone sealant or similar.



- 15. Turn the valve stems to the off position. Loosen grub screws (J) using the 2mm Allen key. With the control handles (I) in the desired off position and grub screws (J) facing the floor, push the control handles (I) onto the valve stems (D) flush to the finished tiled surface. Fix the control handles into position by tightening grub screws (J) fully.
- 16. Screw the assembled parts (L & K) tightly into the rear box (B), again using PTFE tape or sealing compound to create a water tight seal between the cut end of the 3/4" extension and the spout outlet in rear box (B).
- 17. Place the spout seal (M) into the rear recess of the spout (N).
- 18. Push the spout (N) firmly onto the spout front (L) then tighten the spout grub screw (O) fixing the spout (N) in place. Seal the spout base (N) to the tiled surface using silicone sealant or similar.

After installation:

Once you have visually checked the installation of the new mixer and all connections, ensure that all other fittings are closed except the new mixer 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.

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

Important Technical Data:

Minimum operating pressure: 2 bar / 0.3 bar (modified aerator[†]) Maximum operating pressure 5 bar^{*} Maximum hot water temperature 70°C^{*}

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

[†] To increase flow rates: Unscrew the grey spout aerator using the key supplied or similar. Remove the blue filter element and white section of the aerator, replace only the grey honeycomb element.

For manual mixing products we recommend the installation of a separate TMV2 product to reduce the risk of accidental scalding.

All thermostatic products should be tested and cleaned at least once a year.

Hot and cold supply pressures should be as closely balanced as possible for best results. Supply pipes should maintain the maximum diameter until immediately before the fitting. The differential between the hot and cold water supply temperatures should be sufficient to allow correct mixing function.

All Abode taps 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 should be used to ensure watertight joins 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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