

Oras Safira In-Wall Compact Shower Mixer

Installation and Maintenance Instructions

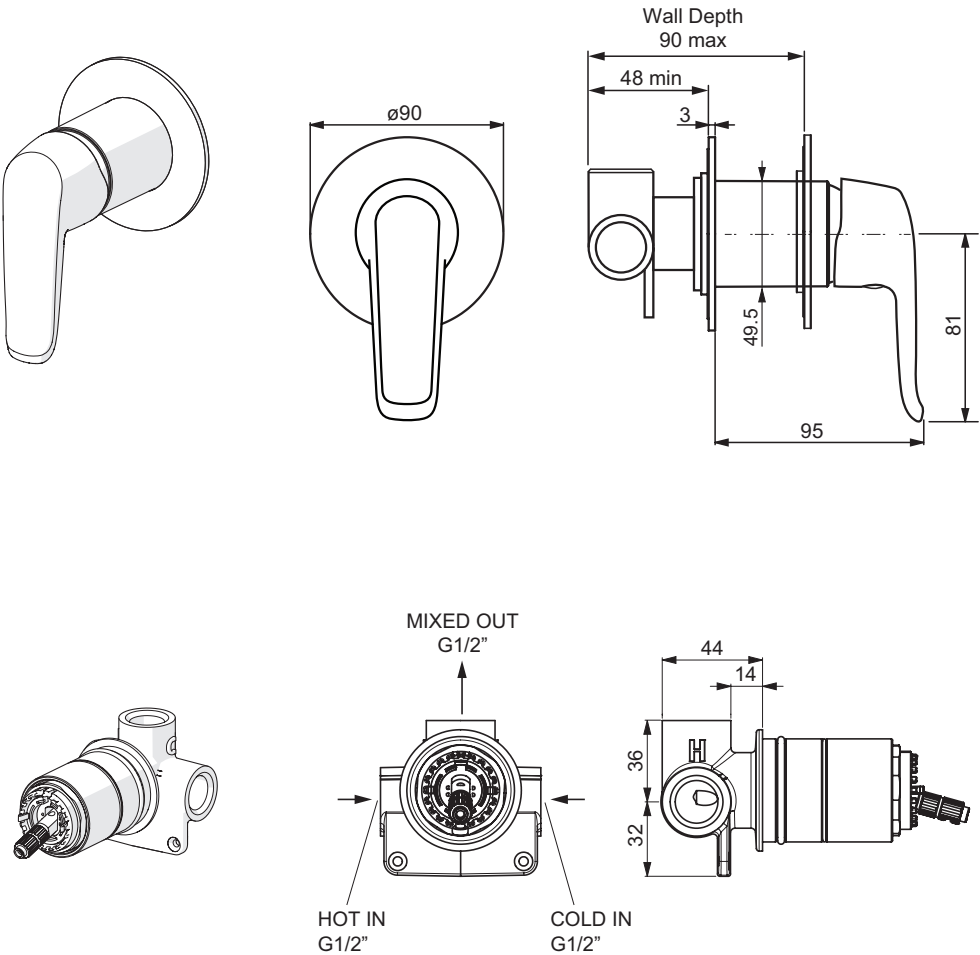
SAF608L-RB

SAF608L-YB



dimensions

SAF608L



technical data

Inlet Connection	15mm (1/2" BSP)
Recommended Working Pressure Range	50 - 500 kPa Hot and cold water inlet pressures should be balanced
Static Inlet Pressure	50 - 1000 kPa Maximum 1600 kPa for testing purposes only
Operating Temperature Range	0 - 80 °C
Wall Depth	48 - 90mm

Enware products are to be installed in accordance with the Plumbing Code of Australia (PCA) and AS/NZS3500. Installations not complying with PCA and AS/NZS 3500 may void the product and performance warranty provisions.

Reference should also be made to the Australasian Health Facility Guidelines (AHFG), ABCB and Local Government regulations when considering the choice of, and the installation of these products.

This product is compliant with the Lead Free requirements of NCC Volume Three.

This product must be installed and commissioned by a qualified plumber.

For use with potable water only.

NOTE: Enware Australia advises:

1. Due to ongoing Research and Development, specifications may change without notice.
2. Component specifications may change on some export models.
3. Refer to warranty statement for warranty details - www.enware.com.au/warranty.



Lead Free

AS3718
WM-040054

installation

- All supply lines must be flushed thoroughly to remove debris prior to the installation of this product, as per AS/NZS 3500.1. Strainers (40 mesh) are recommended if debris is an ongoing problem.
- A pressure reduction valve may be required to comply with the recommended maximum supply pressure and/or balanced pressure requirements.

IN-WALL BODY COMPONENT

1. Secure the shower body to the internal cavity within the wall.

Wall depth: minimum 48mm – maximum 90mm from finished wall surface. Finished wall markings are indicated on the protective cover. **SEE IMAGE 01**

This shower cannot be installed sideways, or upside down. The mixer body must be installed in the correct direction, with the shower outlet aligned in the vertical plane facing up, to ensure the handle points downwards. The handle can only be installed in one way – once the mixer body is installed the handle cannot be flipped upside down or sideways contrary to the mixer body in wall.

The shower body has a protective cover which should be left on for protection.

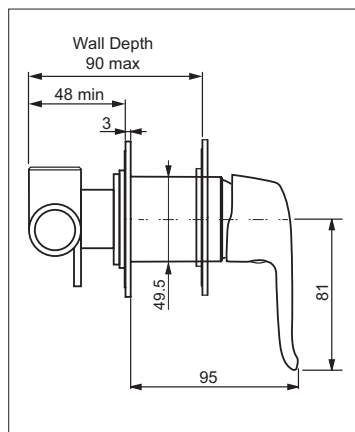


IMAGE 01

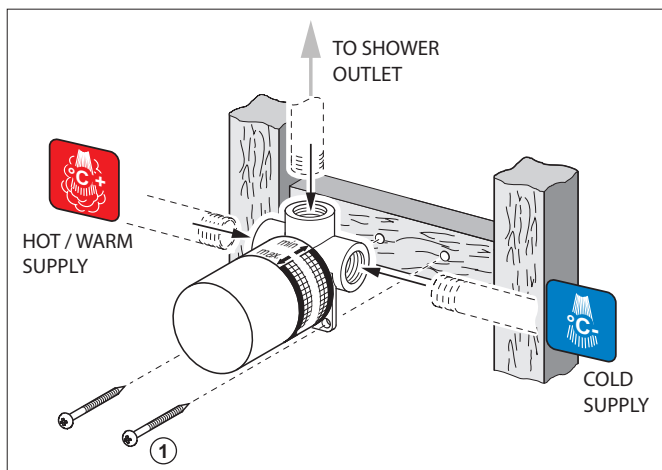


IMAGE 02

2. Connect water supply to the hot and cold inlets. **SEE IMAGE 02**
3. Connect the mixer shower outlet to the riser leading to shower rose/outlet.

WARNING: Heat must not be applied to the inlets and outlet of the mixer as this will result in damage to the cartridge and void the warranty.

4. Turn on water to the mixer and test for leaks. Take off the protective cover and fit handle attachment and lever handle to the stem of mixer cartridge. Lift the lever handle up to turn on water and test the outlet line.

Note: Maximum static pressure is 1600 kPa for pressure testing purposes only.

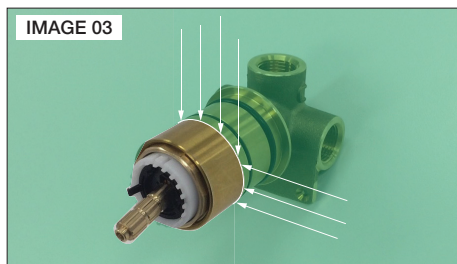
5. Fit protective cover back on the body.



WATERPROOFING

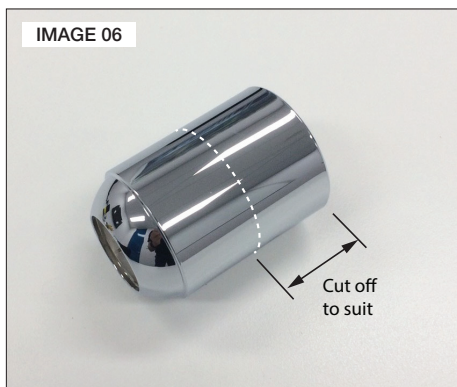
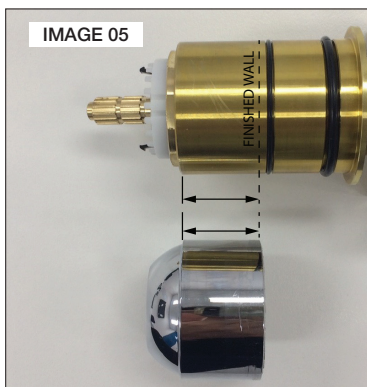
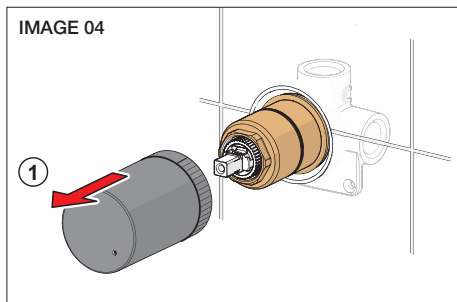
Take off the protective cover. To ensure a complete sealing of the wall, apply waterproofing directly up to the brass body. Put protective cover back on for protection.

SEE IMAGE 03

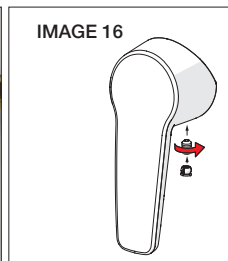
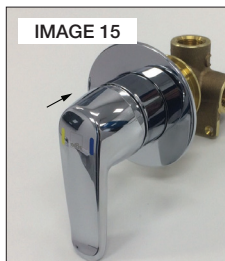
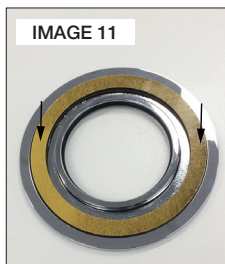
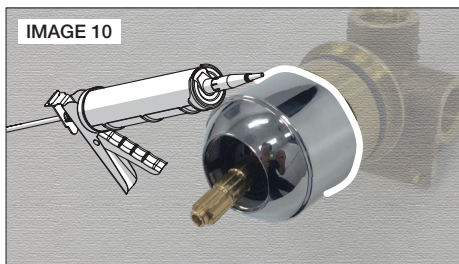
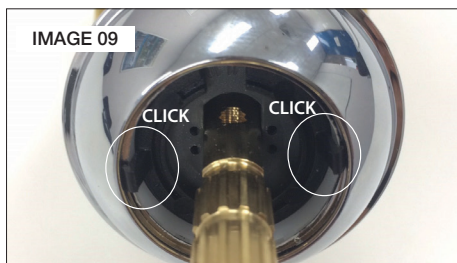
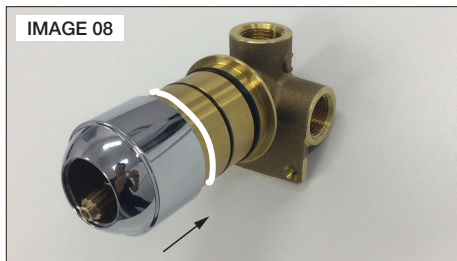
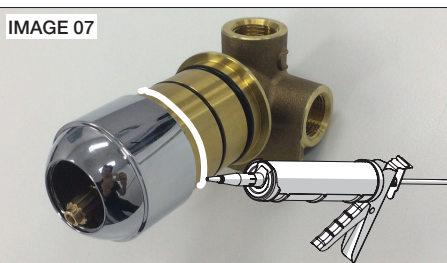


FIT-OFF – FACIA AND HANDLE

1. After the wall is finished, take off protective cover.
2. Measure the length of mixer body to finished wall, and cut the chrome plastic sleeve to length using tube cutters or similar hand tool, taking care not to damage the chrome surface. **SEE IMAGE 05 & 06**

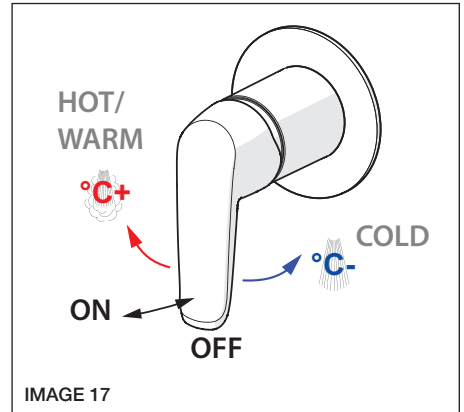


3. Apply a thin bead of silicone sealant to mixer body to seal the gap between the sleeve and mixer body. **SEE IMAGE 07**
4. Slide chrome sleeve over mixer body and push until it clicks into place. **SEE IMAGE 08 & 09**
5. Seal any gaps between the wall cut-out and shower body with neutral cure silicone sealant. **SEE IMAGE 10**
6. Put self-adhesive foam seal on cover plate. **SEE IMAGE 11**
7. Slide cover plate over the cartridge sleeve and push firmly against the wall. Apply silicone sealant on the outside edge of the cover plate if required (for uneven surfaces). **SEE IMAGE 12 & 13**
8. Fit handle stem attachment onto spindle, then fit handle onto the stem. Place the screw through the hole under the handle lever, and tighten to fix the handle in place. Push the handle plug onto handle. **SEE IMAGE 14, 15 & 16**
9. Turn water on and test for leaks. Test the mixer tap and check for correct operation.



operation

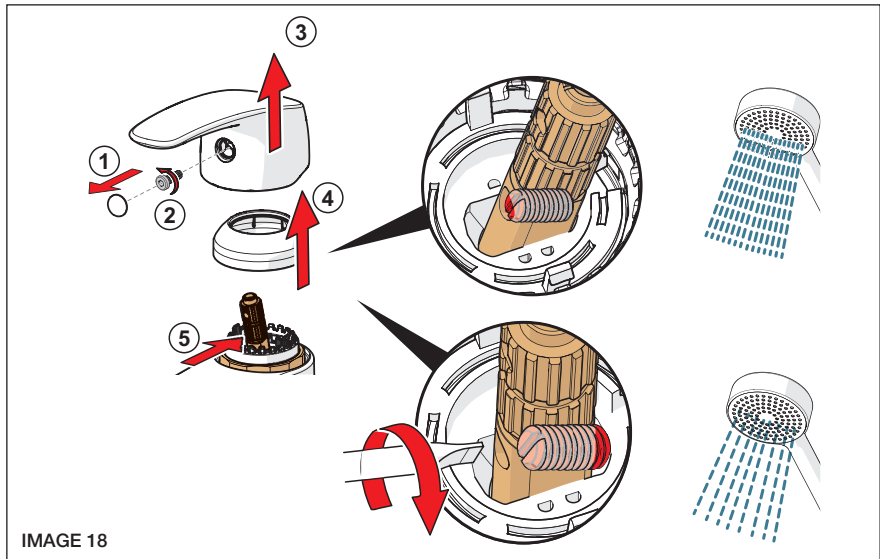
- To turn water on, lift handle up.
- To turn water off, lower handle down.
- Turn handle to the left for hot or warm water.
- Turn handle to the right for cold water.



limiting the flow rate

The lift angle of lever handle can be limited to reduce the maximum water flow. This can be done without shutting off water supply to the tap.

Take off the handle and chrome cover cap, then turn the screw located inside the spindle. To limit to a lower flow (i.e. smaller lift angle for the handle), tighten the screw clockwise until the screw protrudes past the spindle on the other side. The screw limits the travel of the lever handle. **SEE IMAGE 18**



temperature limiter adjustment

The temperature of the hot water can be limited by restricting the swing angle of the lever handle. This can be done without shutting off water supply to the tap.

Detach the lever handle and cover cap. (1 – 4) **SEE IMAGE 19**

Detach the black retaining ring on cartridge with a screwdriver or long-nose pliers (5).

Pull out the regulating shaft with its white limiters (6). Adjust the position of the white limiters to the required angle. Moving the front limiter to the left will reduce the limit on the maximum hot water temperature.

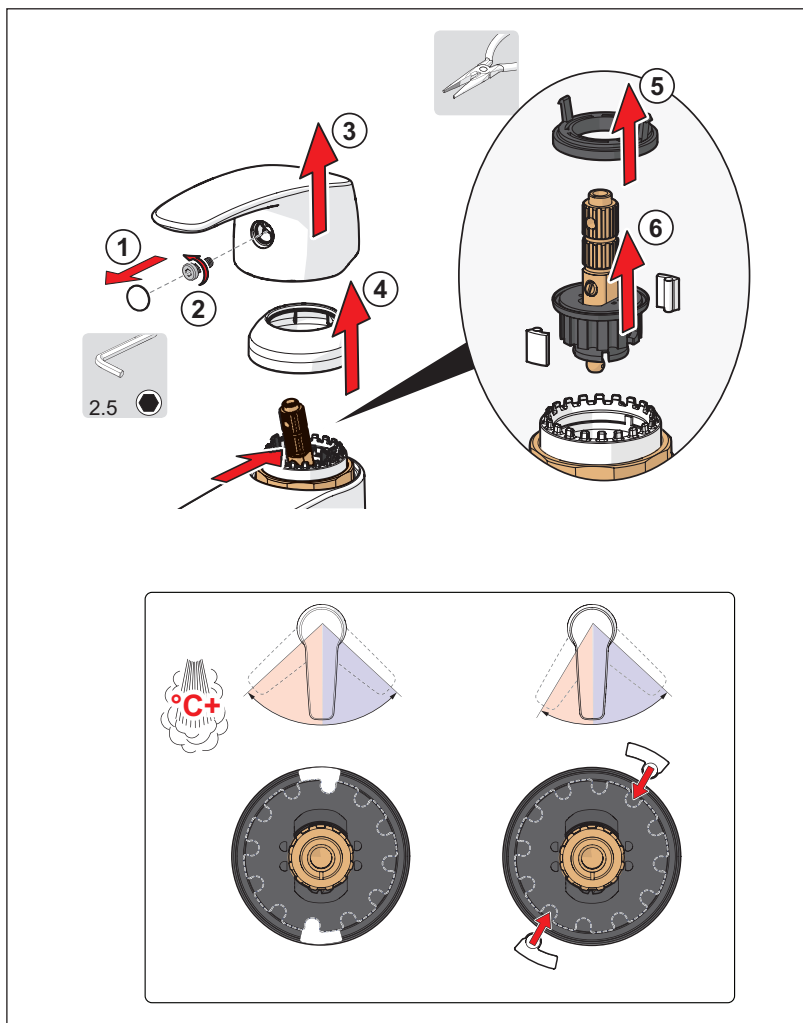


IMAGE 19

maintenance

CLEANING

Enware products should be cleaned with a soft damp cloth using only mild liquid detergent or soap and water. Do not use cleaning agents containing a corrosive acid, scouring agent or solvent chemicals. Do not use cream cleaners, as they are abrasive. Use of unsuitable cleaning agents may damage the surface. Any damage caused in this way will not be covered by warranty.

maintenance

REPLACING CARTRIDGE

1. The cartridge is a non-serviceable part. A new cartridge must be used if the existing cartridge is damaged.
2. Turn water supply off and turn mixer handle on to drain water.
3. Remove the mixer handle by firstly prying off the handle plug from the front of the handle. Use a slotted screwdriver to unscrew the handle locking screw and remove screw. **SEE IMAGE 20**
4. Pull the handle off the spindle.
5. Using a small slotted screwdriver, carefully lever the cover cap from under its inside edge and remove it from tap body.
6. Use Oras Cartridge Socket or suitable 38mm socket wrench on the flats of the cartridge fixing nut to unscrew and remove the fixing nut.
7. Pull up vertically on the stem of the cartridge until the seal is released. Remove the cartridge from the mixer body.
8. Inspect and replace as per the trouble-shooting guide and spare parts list.

REASSEMBLING

1. Align the locating lug on the cartridge to the locating hole in the tap body, and press the cartridge into position.
2. Screw cartridge fixing nut into mixer body and tighten using the cartridge key or 38mm socket wrench.
3. Fit cover cap and handle components back on.

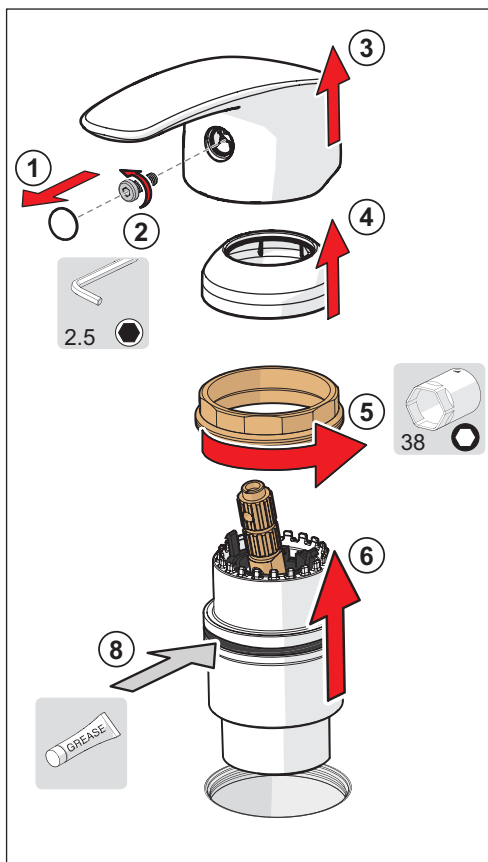
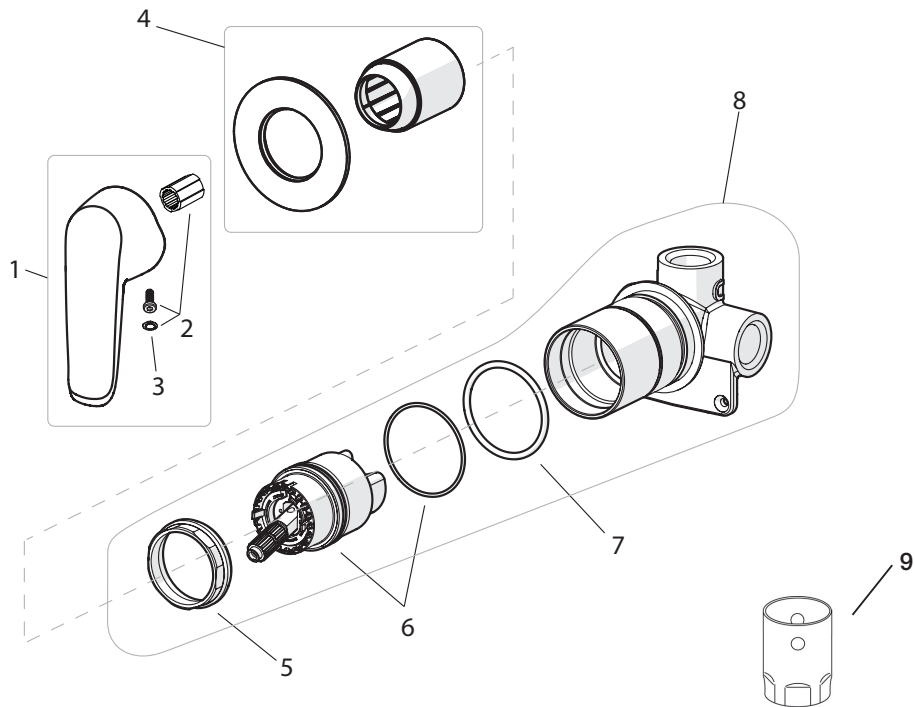


IMAGE 20

For specific problems such as a leaking tap refer to Troubleshooting.

spare parts

DESCRIPTION		PART CODE
1	Lever Handle - Safira (Red/Blue) with fixing screw and handle cap	SAF606HDL-RB
	Lever Handle - Safira (Yellow/Blue) with fixing screw and handle cap	SAF606HDL-YB
2	Safira Handle Fixing Kit	SLMS642
3	Handle Plug (each)	SLMS635
4	Cover Plate and Chrome Sleeve	SAF608CP
5	Cartridge Fixing Nut	SLMS606
6	Oras Cartridge with O-ring	SLMS690
7	Sleeve Sealing O-ring	
8	In-Wall Shower Assembly	891534L
9	Oras Cartridge Key	SLMS622



troubleshooting

Refer to the following troubleshooting chart for specific problems and solutions.

PROBLEM	CAUSE	RECTIFICATION
Leaking from outlet.	Cartridge is damaged or split.	Check pressure and install a pressure reduction valve. Replace cartridge.
	Supply pressures too high.	Cartridge fixing nut has been over tightened. Replace cartridge.
	Incorrect installation.	
	Cartridge has debris caught in the mechanism.	Remove cartridge and inspect. Remove debris and/or replace cartridge if damaged. Install an inline strainer.
	Cartridge fixing nut is loose.	Check cartridge bottom seal and tighten cartridge fixing nut.
Water is leaking from top of mixer body.	Mixer body O-rings are worn. Cartridge seals are worn.	Replace cartridge.
Water is not flowing from tap.	Water turned off.	Turn water on.
	Outlet / Flow control or check valve is blocked by debris.	Remove outlet / flow control and clean debris. Install an inline strainer. Clean check valve.
Hot water flows when handle is turned anti-clockwise.	Hot and cold connections are incorrect.	Reconnect hot and cold supply correctly to mixer.