

OUTLET CHANGE

Changing bottom outlet to a top outlet.

The valve is received with the outlet at the bottom for hose connection. If you require an outlet at the top, you will need to change the outlet position.

To do this follow the steps below.

1. Unscrew bottom outlet (20) from valve (10), using a spanner.
2. Unscrew the top outlet plug (5) from the valve using a spanner.
3. Fit plug (5) into the hole at the bottom of the valve and tighten.
4. Insert the outlet (20) into the top of the valve and tighten.
5. Fit riser pipe and check for leaks.

IMPORTANT: do not simply turn the valve over to change the outlet position!



GUARANTEE

The shower valve is guaranteed for a period of 5 years against any defects of materials and workmanship from date of purchase, subject to correct installation, maintenance and use in accordance with this instruction leaflet. Please retain proof of purchase.

- Those components subject to wear and tear such as 'O' rings and washers etc.
- Damage caused by faulty installation or maintenance
- Damage caused by any waterborne debris
- Damage caused by improper cleaning products
- The product being used for a purpose other than intended
- Damage caused by other products or materials
- Damage caused by frost; product should be adequately drained in freezing conditions

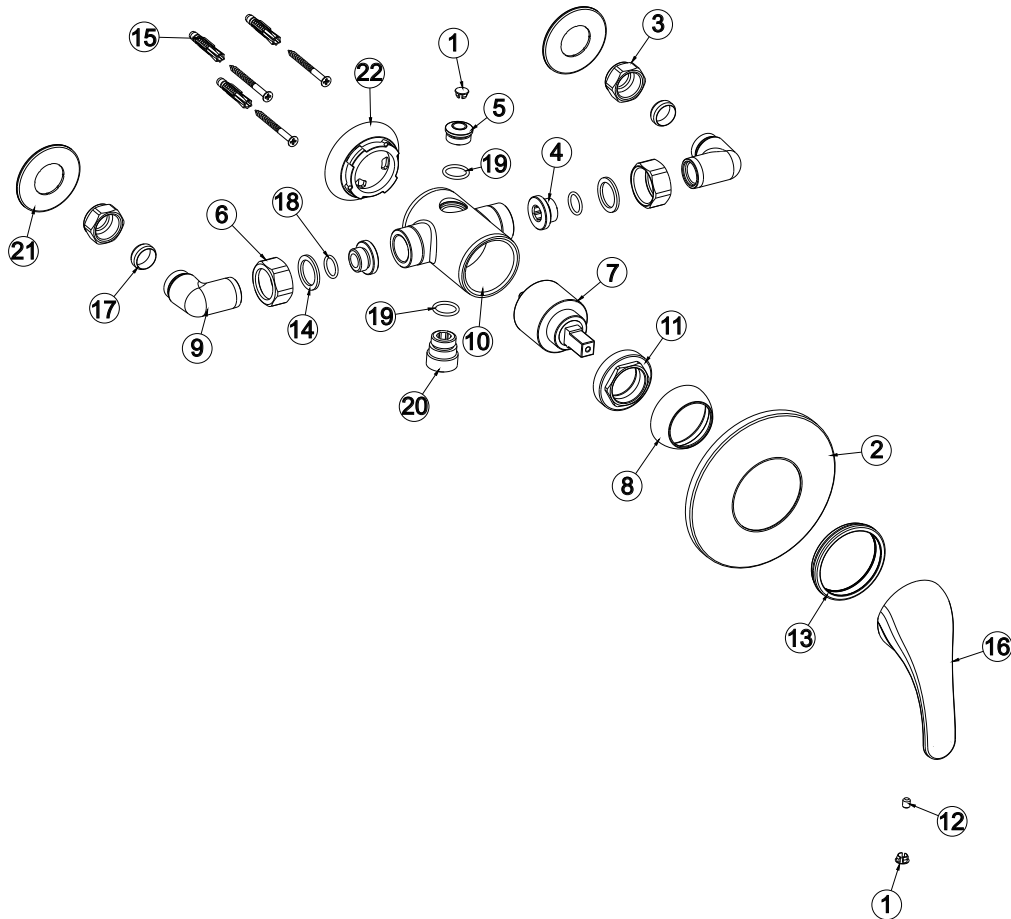
AFTERCARE INSTRUCTIONS

Whilst modern plating techniques are used in the manufacture of this item, the surfaces will wear if not cleaned correctly. Clean this product with a soft cloth and clean water. The use of any abrasive material will invalidate the guarantee.

SKU 71546

**Swirl manual shower valve
with solid lever**

TROUBLESHOOTING



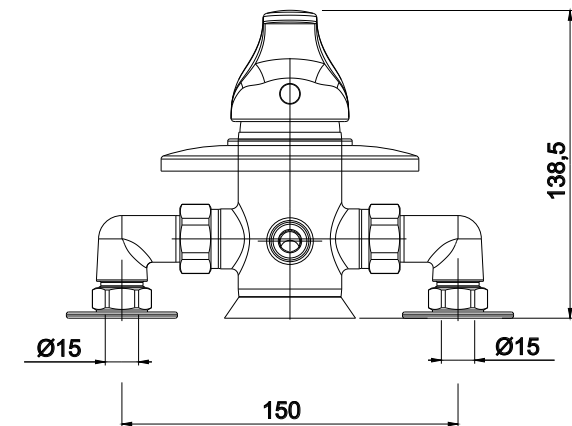
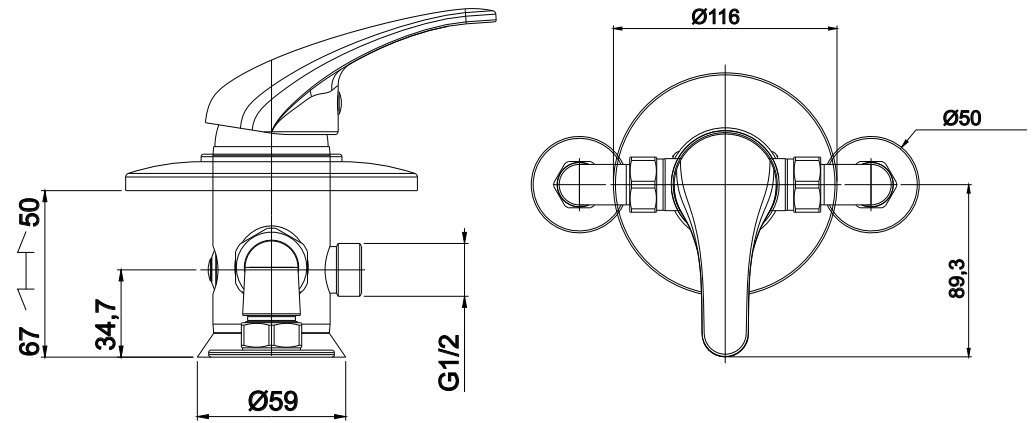
DEFECT	CAUSE	SOLUTION
The mixer does not deliver water	Main water supply is shut off	Open the main water supply
	Lack of pressure in the system	Make sure to have enough pressure to feed the mixer
	Faulty cartridge	Replace the cartridge
Poor flow	Water supplies are not completely open	Open the water supplies completely
	Dirty or damaged filters	Clean or replace filters
	Dirty or damaged shower accessories	Clean or replace the shower accessories
Mixer drips	Broken cartridge	Replace the cartridge
	Pressure is too high	Reduce the pressure in the main system
Lever stiff to turn	Lack of grease on the discs of the cartridge	Replace the cartridge
	Pressures exceed 5 bar	Fit a pressure reducer before the mixer (in the main system)
	Too calcareous water	Replace the cartridge
Temperature oscillations	Unbalanced pressures	Change supply system
	The hot water supplied by the boiler is not enough	Adjust the system

MAINTENANCE

Through years of use impurities and limescale can restrict the flow of water through the mixer. If the mixer's performance deteriorates the cartridge may need to be replaced.

In order to do this, please follow the following procedure:

1. Shut down water supply to the mixer.
2. Remove the indice (1), undo grub screw (12) and pull the lever (16) from the mixer body.
3. Unscrew the cartridge cover (8) and the locking nut (11).
4. Carefully remove the cartridge (7) from mixer.
5. Fit the new cartridge, tighten the locking nut (11) and then screw the cartridge cover (8).
6. Re-fit the handle body (16), fix it by means of the grub screw (12) and place the indice (1).



TECHNICAL FEATURES

OPERATING SPECIFICATIONS

Operating Pressure Criteria

Maximum pressure: **5 bar**

Minimum pressure: **0,5 bar**

Recommended working pressure 3 bar

Operating pressures (on hot and cold line) should be kept as balanced as possible, and from a common source, in order to ensure the maximum efficiency of the mixer.

When pressures exceed 5 bar, installation of a pressure reducing valve (not supplied) is required.

PLUMBING & INSTALLATION

The product must be fitted in accordance with Water Bylaw Regulations and check valves must be fitted (not supplied) in the pipes before the valve.

IMPORTANT: rinse pipe work carefully for a long while prior to fitting the mixer. Do not allow dirt, metal particles and shavings to block inlets; once this is done turn off water supply.

The valve is received with the outlet at the bottom for hose connection. If you require an outlet at the top, please follow the procedure stated at the paragraph "OUTLET CHANGE".

CONCEALED VERSION

1. Prepare pipework at 150mm centres with cold supply to the right. The hole in wall should be prepared in order that it does not exceed the diameter of the plate which is 116mm. The depth from the rear of mounting plate to the back of the concealing plate can be between 50-60mm. The supply pipes should allow for inserting into the elbows not less than of 10mm (when nut is not fitted).
2. Fit the elbows (composed of part no. 3, 17, 9, 6, 18 and 4) loosely to the valve, ensuring to fit sealing washers (14).
3. Then place wall mounting plate (22) centrally both horizontally and vertically between pipe ends and mark drill holes. Once marked, drill holes and insert wall plugs (15).
4. Place mounting plate (20) up to wall and insert screws (15) and tighten, but not fully.
5. To secure the valve to the mounting plate, you are required to push this onto the plate and twist so that the lugs in the body and the plate engage. This may require some manoeuvring of the valve or plate, so that the valve is vertical; once this is achieved tighten plate screws and fit valve.
6. Place the concealing plate (2) with seal (13) over the valve body. Sealant may be used to seal behind the plate, ensuring that the lever can operate fully without contacting the plate. Then the elbows (9) with the nut (3) and olive (17) fitted can then be secured to the pipe ends. Tighten nuts to the pipes, along with the nuts to the body.
7. Once all of this has been done, the lever handle can be fitted. To do this place the handle (16) onto the valve, so that it will move equal distances in both directions; once this done, fit grub screw (12) and tighten using an Allen key, then place the indice (1).
8. Turn on water supply and check for leaks.

EXPOSED VERSION

1. Prepare pipework at 150mm centres with cold supply to the right. The supply pipes should allow for inserting into the elbows not less than of 10mm (when nut is not fitted).
2. Fit the elbows (composed of part no. 3, 17, 9, 6, 18 and 4) loosely to the valve, ensuring to fit sealing washers (14).
3. Then place wall mounting plate (22) centrally both horizontally and vertically between pipe ends and mark drill holes. Once marked, drill holes and insert wall plugs (15).
4. Place mounting plate (22) up to wall and insert screws (15) and tighten, but not fully.
5. To secure the valve to the mounting plate, you are required to push this onto the plate and twist so that the lugs in the body and the plate engage. This may require some manoeuvring of the valve or plate, so that the valve is vertical; once this is achieved tighten plate screws and fit valve.
6. Place the wall trim plates (21) over the pipe ends, sealant may be used to seal behind the trim plates, then the elbows (9) with the nut (3) and olive (17) fitted can then be secured to the pipe ends, tighten nuts to the pipes, along with the nuts to the body.
7. Once all of this has been done, the handle can be fitted. To do this place the handle (2) onto the valve, so that it will move equal distances in both directions; once this done, fit grub screw (12) and tighten using an Allen key, then place the indice (1).
8. Turn on water supply and check for leaks.