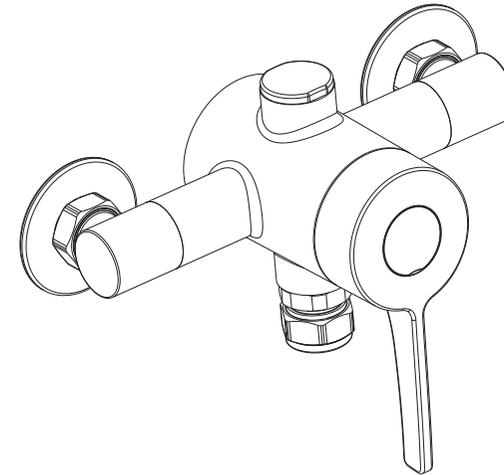


SSV SEQUENTIAL MINI VALVE

Installation Instructions



Your product should be fitted in compliance with the Water Authority Regulations. If you are unsure as to what the regulations require, you can contact your Local Water Authority for further details.

Before commencing installation please ensure that you have :-

1. Checked the contents of the box to ensure all parts are present and correct.
2. Read these instructions carefully to understand the installation requirement.
3. Obtained the correct tools to perform a trouble free installation.
4. Considered the surrounding environment where the installation is to take place and any potential hidden dangers.

Taking the above into consideration should result in a smoother, trouble free installation

TECHNICAL SPECIFICATIONS:

Operating Pressure:

Min: 20kPa/0.2bar

Max: 500kPa/5bar* (max. Pressure Ratio 5:1)

Optimum: 30kPa/0.3bar - 300kPa/3bar

Operating Temperature:

Hot: Max 80°C

Cold: Min 5°C

Inlet Connections:

All 1/2" BSP

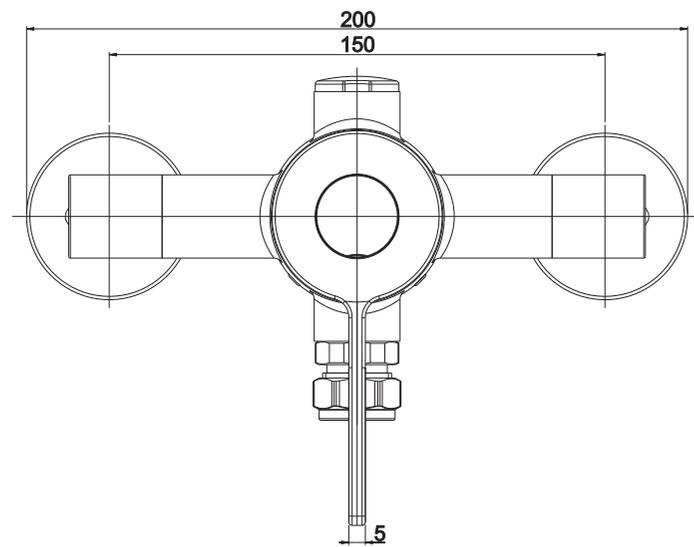
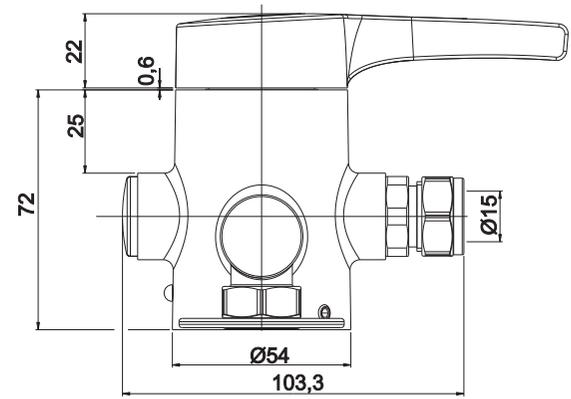
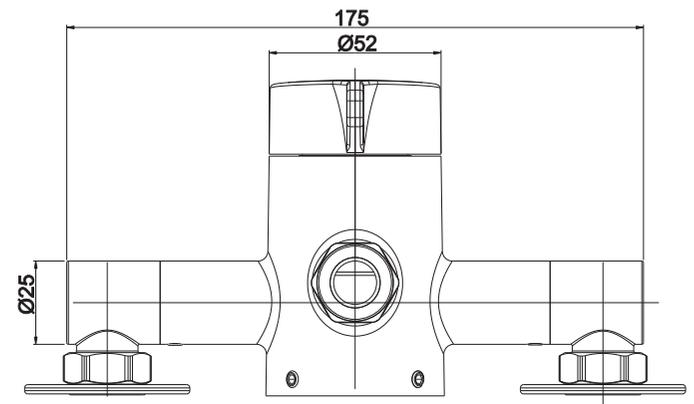
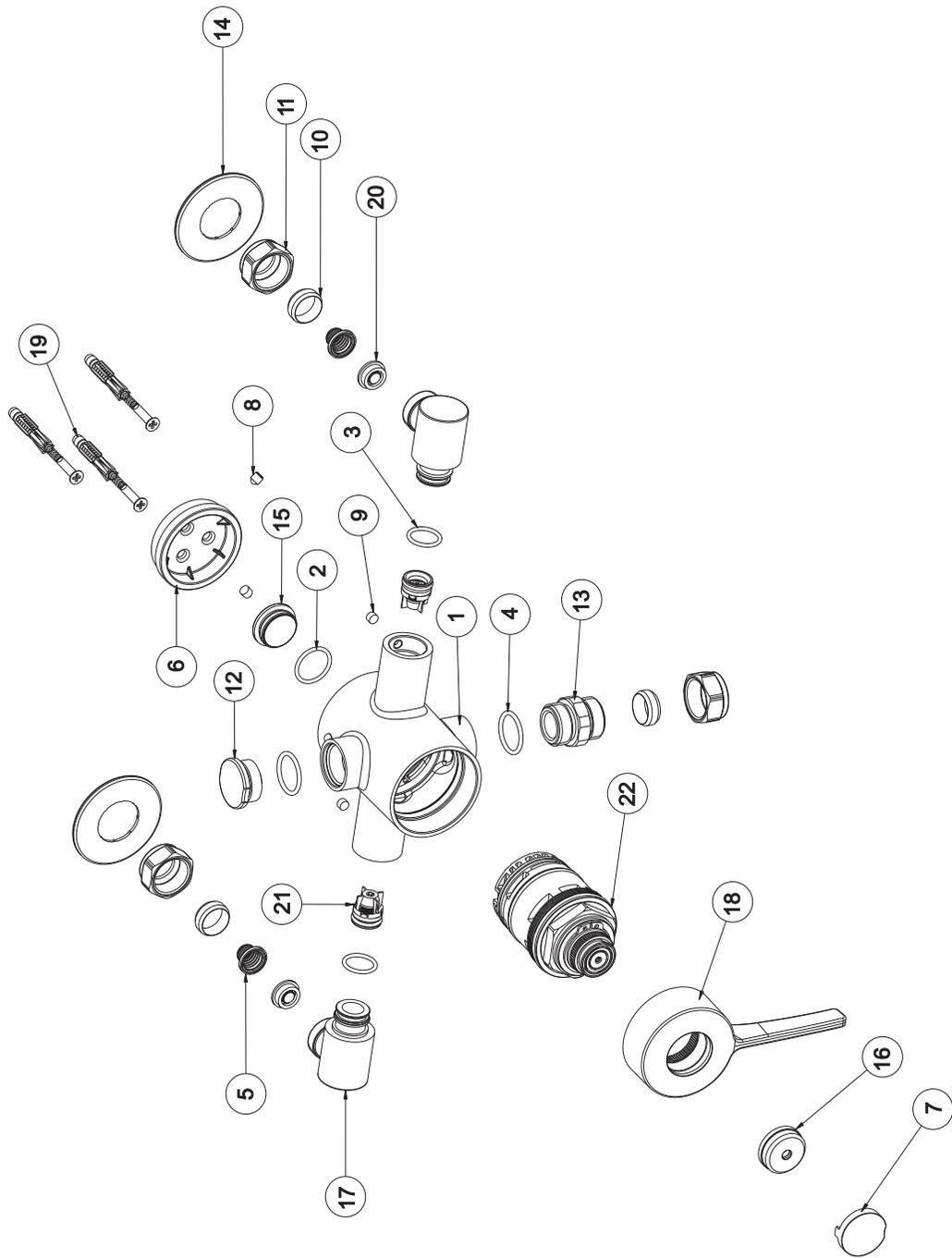
* Regional specific regulations apply.

Please refer to your warranty statement at www.deva.org.uk

Warranty

Deva warrants this product against manufacturing defects and that it is suitable for use under the general operating conditions specified in this instruction sheet. However, regional regulations apply and may affect your warranty. Please refer to the Deva website at www.deva.org.uk or call customer service for full details.

UK : Tel No. 0800 195 1602



GUARANTEE

This product is covered by a 5 year guarantee* from date of purchase for manufacturing faults. Please retain proof of purchase.

The guarantee does not cover faults or damages caused by bad installation and/or maintenance, ordinary wear and tear, water composition i.e. :

- Incorrect installation, inversion of supply pipes
- Pressures or temperatures exceeding above limits
- Improper manipulation, tampering, bad or missed maintenance
- Foreign bodies and/or scale brought by water, ice, ordinary wear, water composition
- Use of improper cleaning or maintenance product or substance

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 with clean water. The use of any abrasive material will invalidate the guarantee.

***Please refer to the Deva website for information on warranty for Commercial applications**

TECHNICAL FEATURES

OPERATING SPECIFICATIONS

Max cold supply: 25°C

Max hot supply: 80°C

Min hot supply: 10°C higher than max required mixer temperature

Advisable hot supply: 55-65°C

Mixed water: 41°C

OPERATING PRESSURES

Minimum: 0.2 bar

Maximum: 5 bar (max. Pressure Ratio 5:1)

Maximum recommended pressure for maximum efficiency: 3 bar

Recommended working pressure: 0.3 - 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. To reduce the flow rate, when the mixer is fitted to high pressure systems, fit flow restrictors as shown in paragraph "HIGH PRESSURE SYSTEMS".

When pressures exceed 5 bar, installation of a pressure reducing valve is required.

If supplying the shower with a Combi-Boiler at over 1.5 bar, a 7 lpm, low pressure flow limiter should be installed.

HOT WATER SUPPLY

This mixer is suitable for any water heating system. In case of instantaneous heaters, hot water flow has to meet at least the minimum flow required by the heater to start and go on burning (see heater specifications).

HIGH PRESSURE SYSTEMS

This mixer is suitable for low and high pressure systems. In the event this mixer is installed on a high pressure system, flow restrictors (supplied) can be fitted to reduce water consumption to approx 7l/min from the shower outlet. In order to do this, proceed as follows (refer to exploded drawing at page 2):

1. Isolate water supply to the mixer.
2. Remove the grub screws (9) from mounting plinth (6).
3. Unscrew the nuts (12) from the elbows (17).
4. Remove the filters (5) and insert the flow restrictors (20) into the elbows (17), then re-fit the filters and the nuts into the elbows.

OPERATION

Turn the handle (18) anticlockwise: this will open the "cold" inlet port to maximum, giving cold water flow. Further rotation of the lever will gradually open the "hot" inlet port whilst closing the "cold" port, thus giving mixed/tepid flow. Continued rotation of the lever will then fully open the "hot" port whilst closing the "cold" port to give maximum hot water flow.

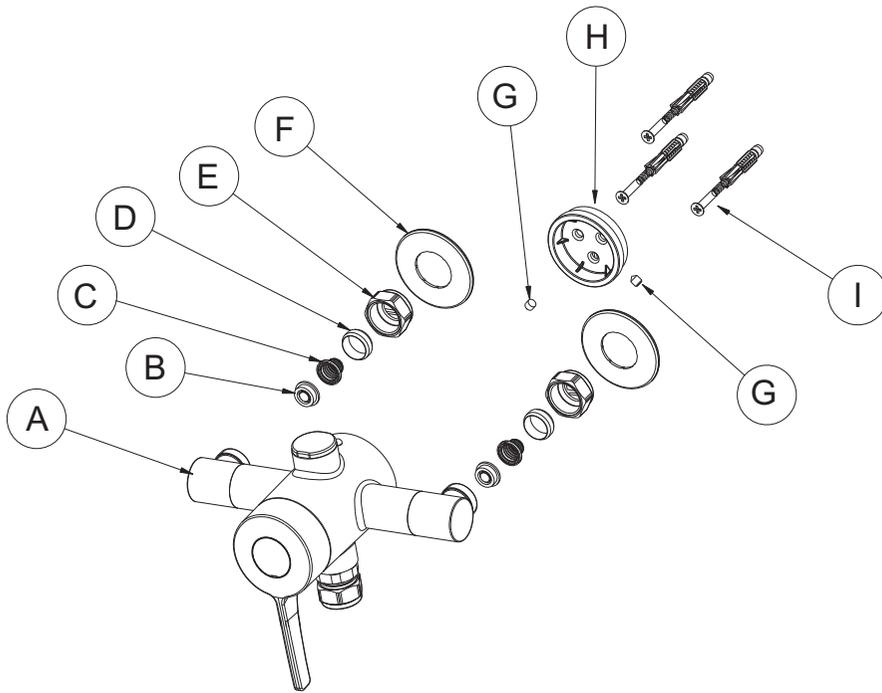
PLUMBING & INSTALLATION

An independent water supply (both hot and cold) is required for the shower system.

Large runs of pipework will cause frictional loss of pressure. If more than one shower valve is installed ensure constant supply of hot and cold water can be maintained. Hot water supply **MUST** always be on the LEFT inlet.

1. Isolate water supply to the mixer.
2. Carefully flush pipework before commencing installation.
3. Place mounting plinth (H) centrally, drill holes and fix it with the supplied screws (I).
4. Fit the mixer to the copper pipes coming from the wall and to the mounting plinth already fixed to the wall, paying attention to place flanges (F).
5. Fix the mixer to the mounting plinth (H) using the grub screws (G) and tighten nuts (E) ensuring olives (D) are seated correctly.
6. Turn supply back on and check for leaks.

Please be advised that component C is already installed in the elbows (A), while part B is available in the box as an optional installation, where required.



FILTER CHANGE AND CLEANING

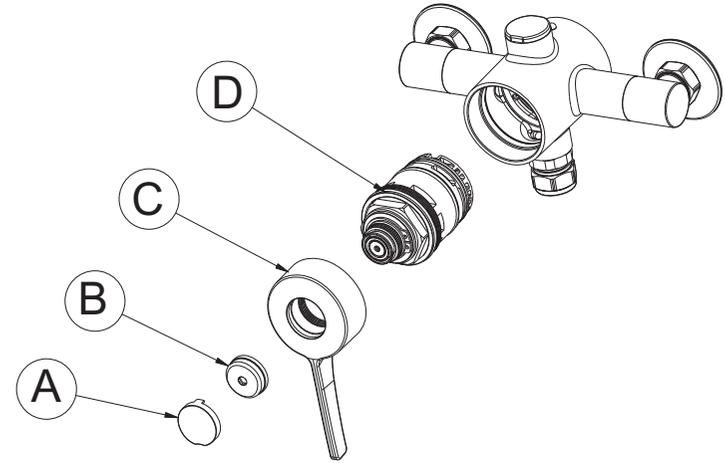
Through years of use impurities and limescale can restrict the flow of water through the mixer. If the mixer's performance deteriorates the filters or the cartridge may need to be cleaned or replaced.

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

1. Isolate water supply to the mixer.
2. Unscrew the nuts (E), undo grub screws (G) and remove the mixer from plinth (H).
3. The filters (C) are located in the inlet elbows (A): carefully remove them.
4. Wash filters under running water or leave to soak in vinegar or de-scaling agent.
5. Refit the filters (C).
6. See paragraph "PLUMBING & INSTALLATION" for refitting valve.

CARTRIDGE CHANGE AND CLEANING

1. Isolate water supply to the mixer.
2. Remove the cap (A) and the nut (B) in order to remove the lever handle (C).
3. Unscrew and remove the cartridge from the mixer being careful not to damage the seals. Wash the cartridge under running water or leave to soak in vinegar or de-scaling agent.
4. Before refitting the cartridge, clean the mixer housing and grease the o-rings.
5. Place the cartridge into the mixer and tighten it at 12 Nm.
6. Place the handle (C) and the nut (B), then re-fit the cap (A).
7. Pay attention to the lever is pointing downwards.



CARTRIDGE RE-SETTING

The mixer is factory set at 41°C, to comply with BS EN1111. This can however be adjusted for site conditions or personal preference (use a common household thermometer to test water temperature). In order to do this, proceed as follows:

1. With the handle in on position, remove the cap (A).
2. Insert a 2,5mms Allen Key in the cartridge hole and turn it to adjust water temperature: clockwise to decrease it, anticlockwise to increase it.
3. Re-fit the cap (A).

