

1. APPLICATION

The two-handle mixer is a device which enables the mixing of cold and hot water with a pressure of 1.0 MPa and a temperature of up to 95°C from a water supply system.

Depending on the method of installation, this manual recognises the following mixer types:

- | | |
|----------------------------------|--|
| a) wall mixers: | b) standing: |
| - bath mixer, | - free standing wash-basin mixer, |
| - shower mixer, | - free standing mixer with rotary tap, |
| - wall mounted wash-basin mixer, | - bidet mixer. |
| - wall mounted sink mixer, | |

2. CHARACTERISTICS

PARAMETERS	VALUE
Discharge of water at the pressure of 0.1 MPa	10 l/min
Stud thread to the system	G1/2
Spacing of off-centre terminals for wall mixers	151 ± 20 mm
Length of feeding hoses for standing mixers	350 mm
Length of flexible hose (bath and shower mixers)	1500 mm

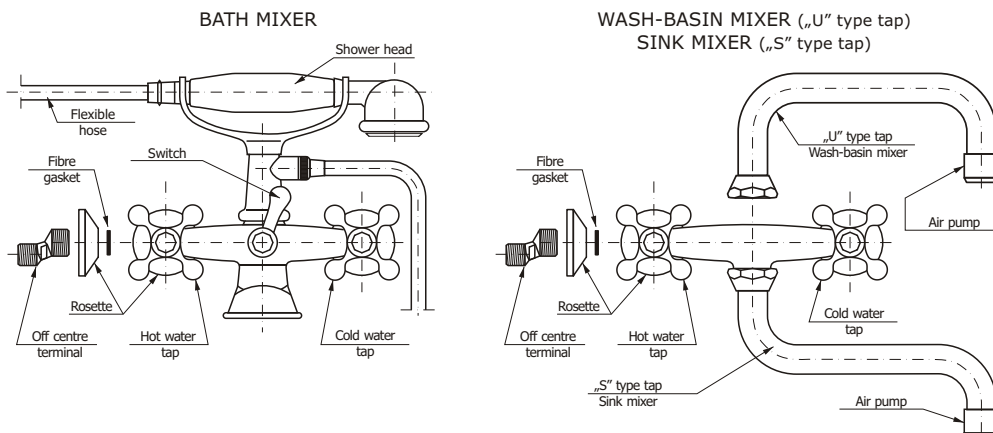
3. OPERATION

The running of water from the mixer and the smooth regulation of its flow is by rotation of the taps/handles. When the switch of a bath mixer is rotated to either extreme position, we either direct water to the bath tap or to the shower.

4. ASSEMBLY

Only wrenches with smooth and not ridged jaw surfaces are to be used for installation of mixers.

WALL MIXER



4.1. The following sequence of actions should be followed when installing the wall mixer:

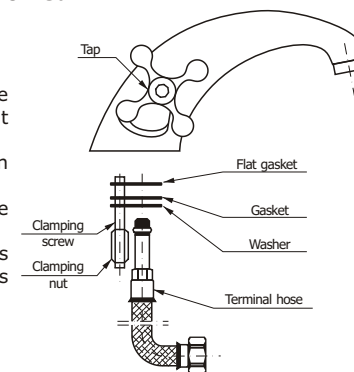
- ✓ attach the off-centre terminals in the sections of the system which have the internal thread G1/2" and seal the connection with hemp fibre (or other leak prevention such as: Teflon tape) make sure that axes of the off-centre holes from the thread side G3/4" are on the same level, frontal surfaces the same distance from the wall and the gap between holes is the same as the distance between the axes of stud nuts of the mixer body,
- ✓ screw rossettes on to the terminals,
- ✓ put gaskets into stud nuts and screw them on to the terminals; after the assembly, check connections for leakage.

STANDING MIXER

4.2. The following sequence of actions should be followed when installing the standing mixer:

Use the installation kit to install the mixer.

- ✓ screw the feed hoses and clamping screw into the appropriate holes located at the bottom of the mixer; then, place a flat gasket (onto the proper undercut in the mixer's body),
- ✓ put the hoses through the assembly hole and place the mixer in the proper position on the assembly surface of the instrument,
- ✓ place the rubber and steel washers on the bottom of the instrument and screw the nut onto the clamping screw,
- ✓ attach the hose ends to the section of the system which supplies cold and hot water; it is recommended to install angular ball cocks with a filter on the supply system,
- ✓ after installation check connections for leakage.



5. MAINTENANCE

- ✓ Two-handle mixers work best with clean water, i.e., not contaminated with such agents as: sand, boiler scale etc. Therefore, it is required to provide the water supply system with net filters (available at VALVEX S.A.), and, should it be impossible, with individual cut-off valves for mixers (also available at VALVEX S.A.).
- ✓ If resistance during rotation of taps increases, do not apply more pressure as it may cause damage to flow controller or the taps. In such instance it is advised to dismount the regulation head and clean away any debris or replace with a new one.
- ✓ It is not recommended to pull or stretch the shower hose as it may cause damage to the hose braid.
- ✓ Gaskets should be preserved with Vaseline or silicone oil.
- ✓ **Cleaning of air pump (water nozzle)** – every two months:
 - unscrew the air pump and clean the net of debris,
 - when screwing the air pump back in, pay special attention to proper placement of the gasket.
- ✓ **Cleaning of external coatings:**
 - dirt or stains (which appeared as a result of scale sediment on the mixers external surfaces covered with a layer of chrome or lacquer) are to be removed by rinsing the mixer only with water and soap; use vinegar to dissolve scale, then rinse the surface with water and dry with a soft cloth,
 - never clean the mixer surfaces with coarse cloth or cleaning agents which contain abrasives or acids,
 - never use agents containing alcohol, disinfecting substances or solvents to clean parts made of plastic and lacquered parts.