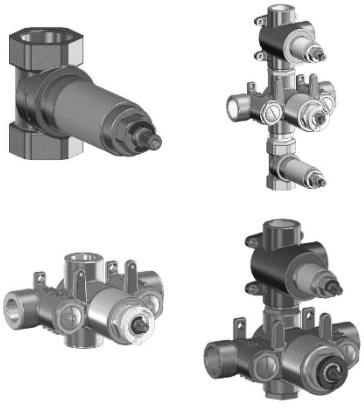
BAGNODESIGN

EXPERTLY CRAFTED BATHROOMS

General Installation Guide



THERMO-STATIC

For MEZZANINE - M-LINE - IBIZA thermostatic mixers

A member of SANIPEXGROUP
www.sanipexgroup.com

IMPORTANT PLEASE READ

Remove all packaging and check the product for missing parts or damage before starting installation.

Any alterations made to this product and fittings may infringe water regulations and invalidate the guarantee.

The Installation must comply with all Local/National Water Supply Authority Regulations/Byelaws and Building and Plumbing Regulations.

We strongly recommend that your product be installed by a reputable qualified trade's person.

General Installation:

To the Installer, please read and follow this instruction carefully, as the guarantee is only valid if the product is installed as directed.

Don't rush, read the instructions first and run through them before you begin. Keep fittings together to avoid loss. Do not over tighten screws or bolts.

If the product is covered with polyethylene protective film, do not remove until installation is complete to grant maximum protection. However, remove film where any two surfaces will be in permanent contact.

Before making any inlet pipe connections, all supply pipes MUST be thoroughly flushed to remove debris.

Plumbing Recommendations:

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

The recommended pipe work should be 22mm minimum for low pressure system.

If more than one shower mixer is installed, the minimum feed should be 28mm. (ensure adequate supply of both hot and cold water can be maintained)

The fitting of an in-line filter is recommended, Failure to do this could result in damage to the cartridge and components or low flow from the mixer.

The fitting of isolation/stop valves on the inlet feeds is advised for ease of maintenance.

Please leave this installation manual with the end user once the product has been Installed.

Operating Specifications:

Hot water supply temperature:	**Maximum:**	**85°**
	Advisable:	**65°C**
	Minimum:	**5°C**

Minimum difference between hot and mixed temperature 10°C

The temperature of the inlet hot water must be higher than the maximum mixed water temperature required from the outlet.

Working pressures:	**Maximum:**	**10 bar**
	Minimum:	**0.1 bar**

Hot and cold operating pressures should be kept as balanced as possible in order to maintain maximum efficiency.

When the supply pressure is higher than 5 bar a pressure reducing valve should be fitted before the shower mixer.

Technical Data:

The mixer is supplied with a cover plate for the installation at a depth from 35mm to 85mm. The temperature control knob is pre-set from the manufacturer at 38°C.

The mixer ports are supplied with a female thread G ½", G ¾", NPT½", NPT ¾".

The thermostatic mixer is provided with an additional outlet at the base of the mixer. When using the bottom outlet, a flow control is required between the mixer and the outlet.

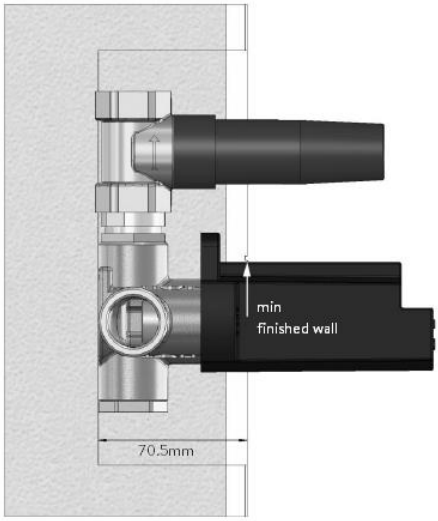
The bottom outlet is sealed with a removable plug.

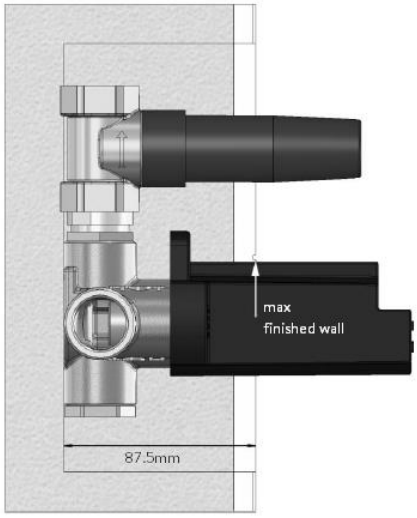
Product Aftercare:

We recommend cleaning with a soft damp cloth and mild soap solution. Do not use cream cleaners or cleaners containing bleach.
Do not scrub or scour.
Do not use abrasive cleaning agents.
Do not use solvent based cleaners.

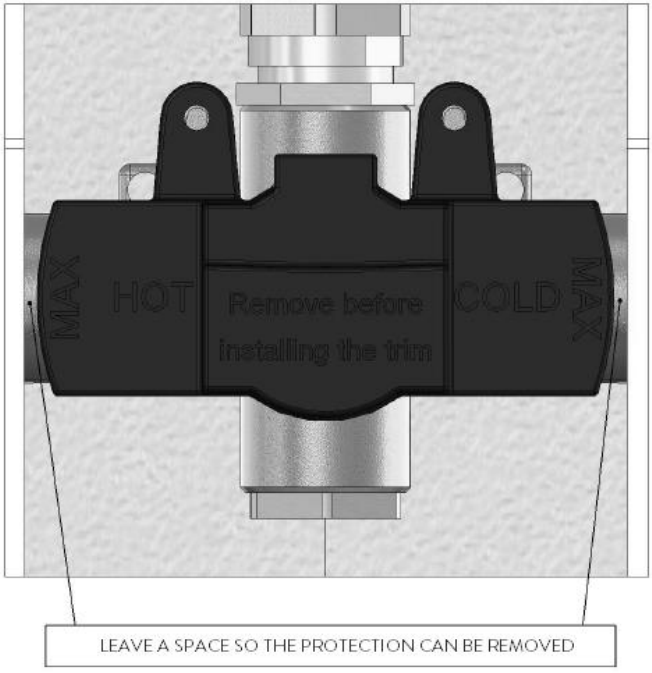
READ THIS MANUAL CAREFULLY BEFORE USING YOUR MIXER AND KEEP IT AT HAND FOR FUTURE REQUIREMENTS

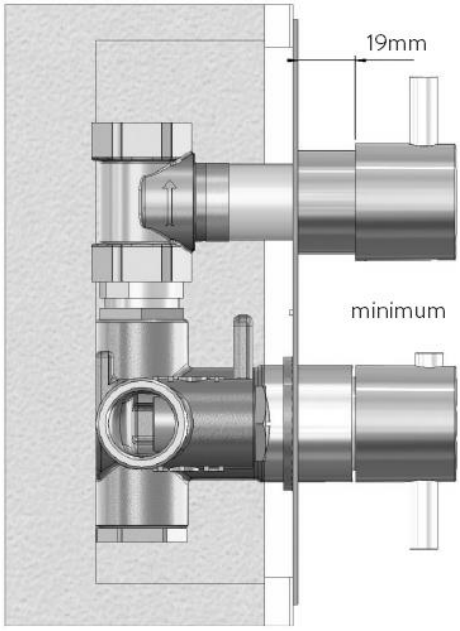
Installation *Concealed Part*



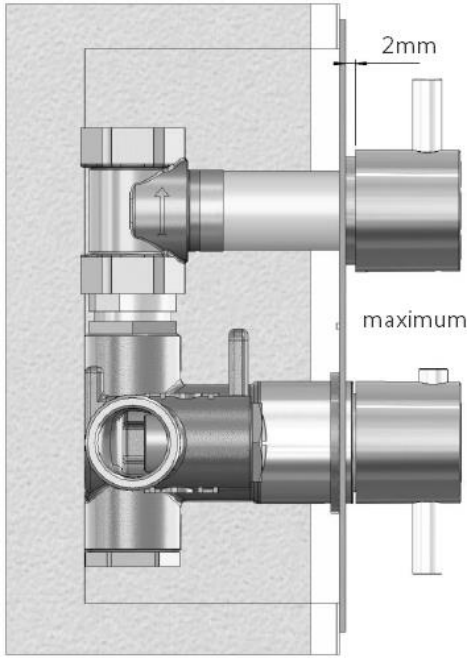


Please consider the final wall application, Tiles, Mosaics, Water-proof board or Marble and install to the tolerances shown on the protection cover.

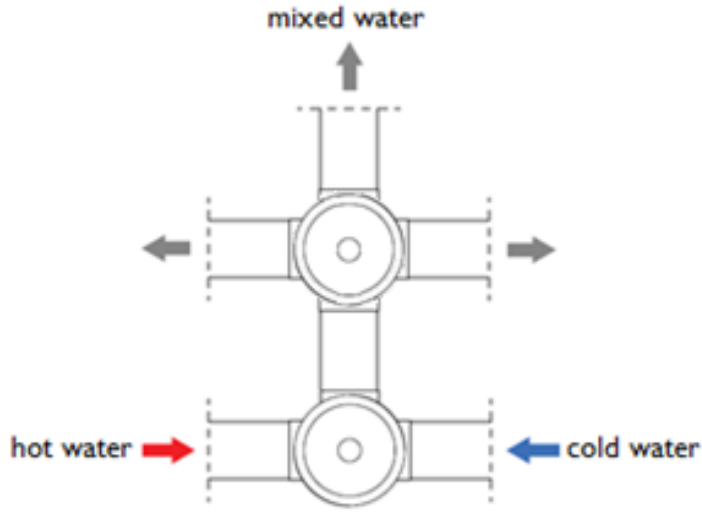




The face plate has a slide tolerance of a minimum 19mm and maximum of 2mm



Installation *Water Supply Connections*



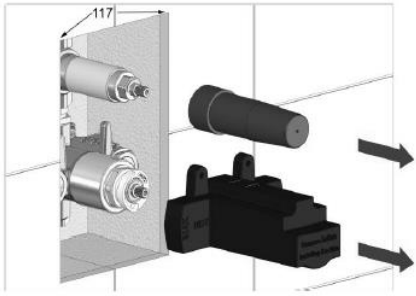
Connect the Hot and Cold water supplies to the mixer, then install the mixed water supply, cap off and pressure test to check for any leakage*

ATTENTION: NEVER EXPOSE THE CONCEALED VALVE TO AN OPEN FLAME OR EXCESSIVE HEAT

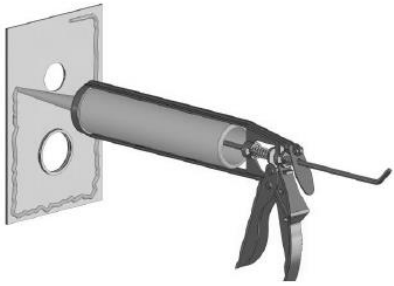
*** Before making any inlet pipe connections, all supply pipes MUST be thoroughly flushed to remove debris. Failure to do this could result in damage to the cartridge and components or low flow from the mixer***

Installation *Trim Part*

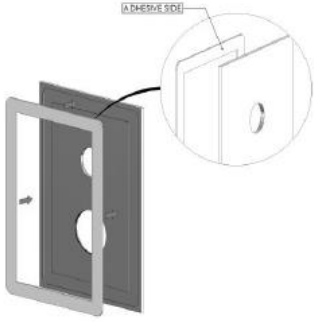
Once the mixer is installed in the wall, remove the plastic guard.



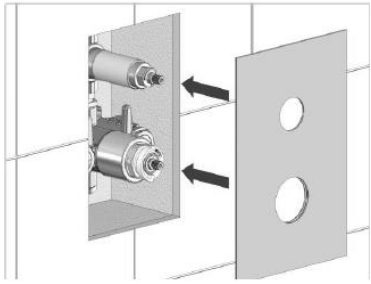
Use silicon behind the cover plate.



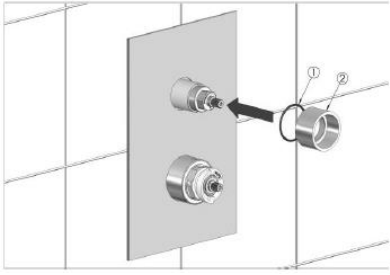
Or position the sealing washer with adhesive side being in contact with the cover plate.



Fix the cover plate over the temperature valve and the threaded rod



Screw the adapter (2), or the adapters, with their O-ring (1), until the plate is against the wall.

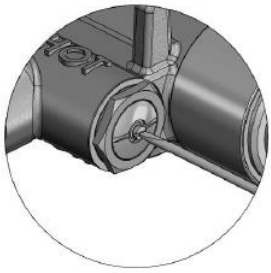


MAINTENANCE

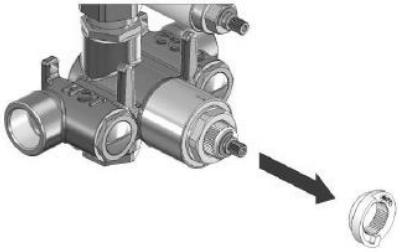
REPLACEMENT OF THE THERMOSTATIC CARTRIDGE

Before proceeding with the maintenance of the cartridge, remove the regulation handle. Follow the instructions shown in section *"HANDLES REMOVAL"*

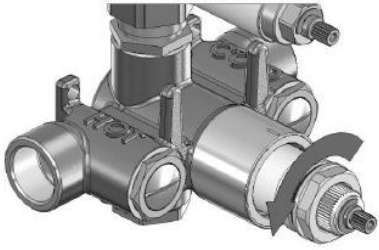
Close the water inlets. With closures on the valve holders, screw for 7 turns the front screws with a flat screwdriver, in order to isolate the thermostatic cartridge.



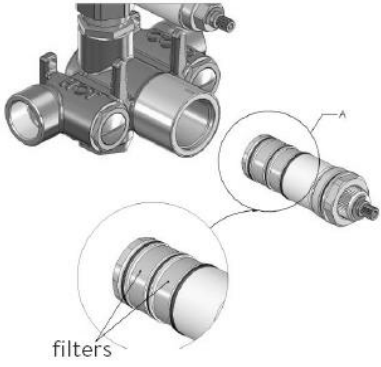
Remove the stop ring.



Unscrew the thermostatic cartridge anti-clockwise with a 30mm wrench.



Remove the thermostatic cartridge and clean its filters under running water or leave to soak in vinegar in presence of limestone.

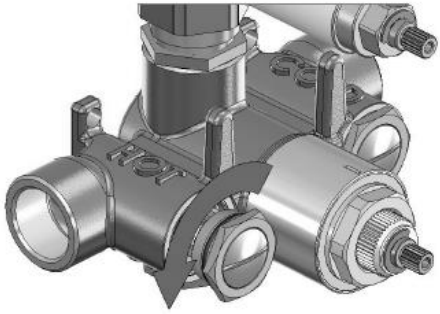


Grease the 'O' rings and, if damaged, replace them with new ones.
2x OR 2100 mm 25,12 x 1,78
1x OR 2106 mm 26,7 x 1,78

MAINTENANCE

REPLACEMENT OF THE VALVE HOLDERS

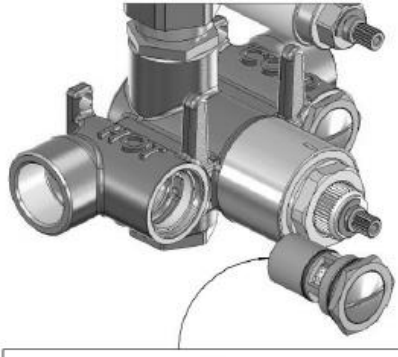
Unscrew the valve holders anti-clockwise with a 27mm wrench.



DO NOT USE A SCREW DRIVER

Exerting a max torque of 8-10 Nm or 70-80 lbf.in

Remove the valve holders and clean the filters under running water or leave them soak in vinegar in presence of limestone

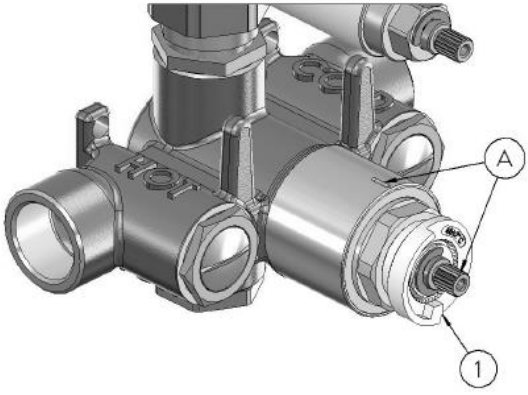


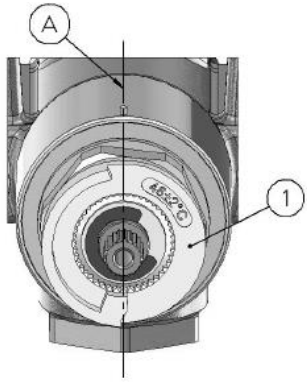
POSITION OF THE STOP RING

According to the mixer model, place the stop ring as shown in the image below.

Using the handle, rotate the broached rod to reach the set temperature of 38°C (check the temperature with a thermometer).

Turn clockwise for cold or anticlockwise for hot water.



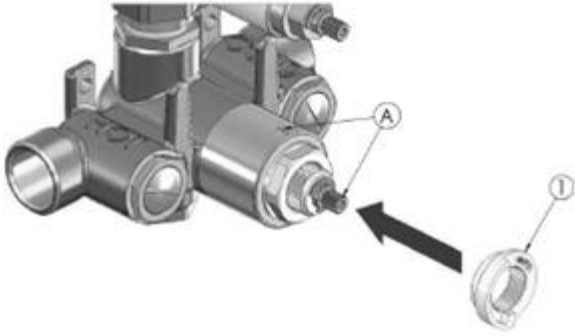


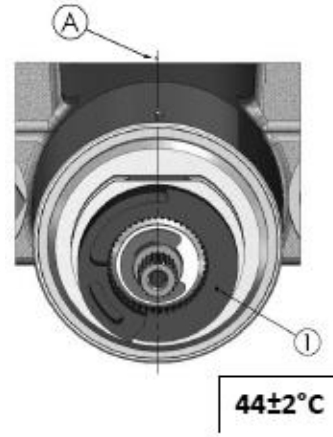
POSITION OF THE STOP RING *Cont.…*

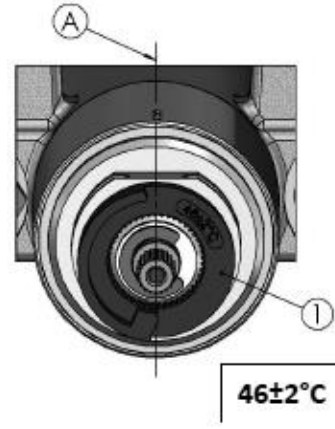
According to the mixer model, place the stop ring as
shown in the image below.

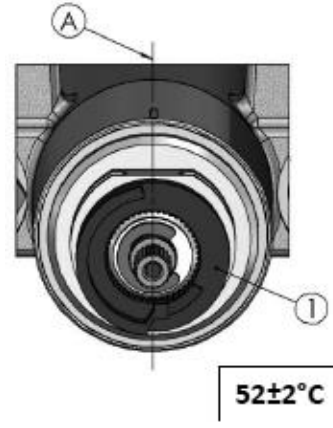
Using the handle, rotate the broached rod (A) to reach
the set temperature of 38°C (check the temperature
with a thermometer).

**Turn clockwise for cold or anti-clockwise for hot
water.**







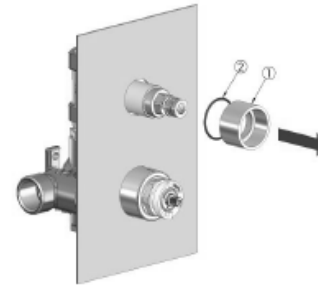


MAINTENANCE

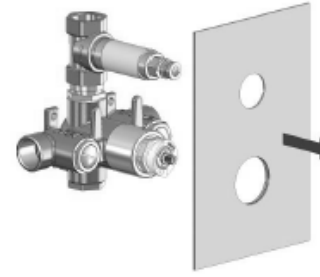
REPLACEMENT OF THE SHUT OFF VALVE

Before proceeding with the maintenance of the cartridge, remove the regulation handle. Follow the instructions shown in section *"HANDLES REMOVAL"*

Unscrew the chromed adapter (1), being careful not to lose the O-ring (2).



Remove the cover plate.



Unscrew the threaded rod with a 17mm wrench.

Before unscrewing the headwork, make sure that bath water inlets are closed. Unscrew the headwork with a 17mm Wrench.

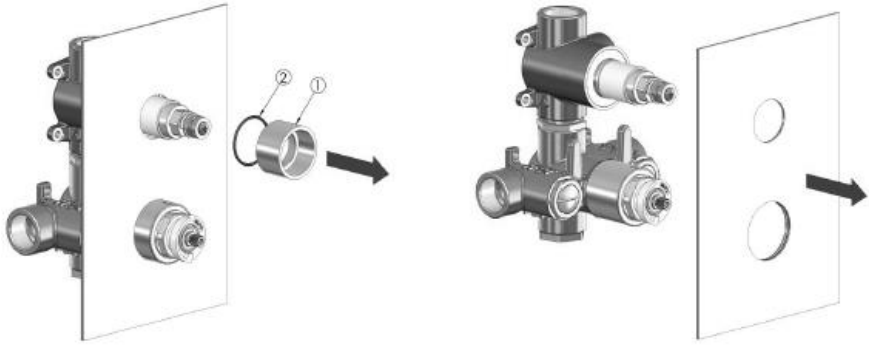
MAINTENANCE

REPLACEMENT OF THE DIVERTING CARTRIDGE

Before proceeding with the maintenance of the diverter cartridge, remove the handles. Follow the instructions shown in section *"HANDLES REMOVAL"*

Unscrew the chromed adapter (1) anti-clockwise, paying attention not to lose the O-ring (2).

Remove the cover plate.



Close the water inlets.
Remove the screw (3), remove the brass insert (4) and unscrew the threaded rod (5).
Unscrew the flange (6) anti-clockwise, with a 17 wrench.
Remove the diverting cartridge (7).

Before replacing the cartridge, clean thoroughly and grease the inner seat of the body.

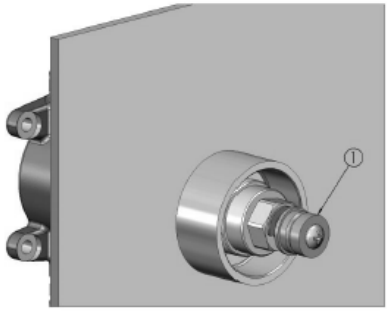
Replace the cartridge. Place the two pivots in their seats.

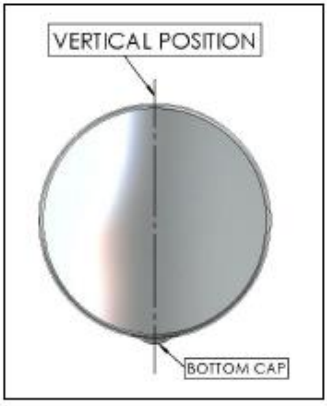
Reassemble all parts. (**Exerting a max torque of 8 Nm or 70 lbf.in)**

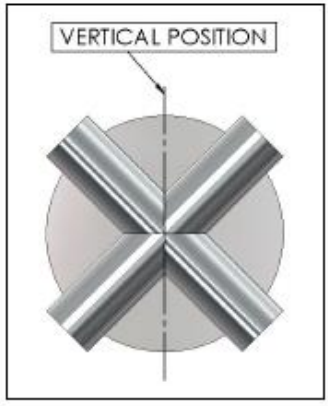
VERTICAL REGULATION OF THE DIVERTING HANDLE

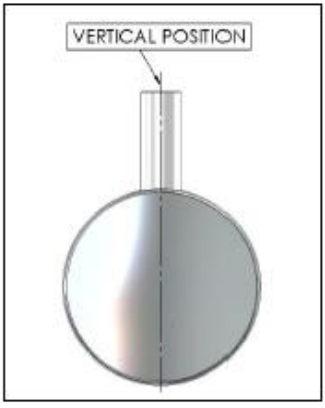
Remove the closure handle. Follow the instructions shown in section *"HANDLES REMOVAL"*

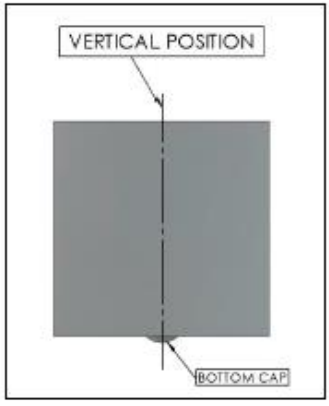
Position the handle on the insert (1) and rotate until the vertical position is reached.
(REFER TO IMAGE BELOW)











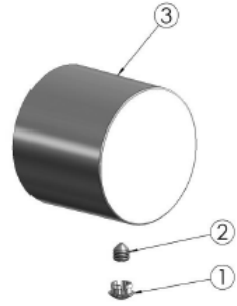
INSTALLATION AND REMOVAL OF THE HANDLES

VERSION WITH CAP

1) Remove the cap (1).

2) Unscrew the grub screw (2) with a 2,5mm Allen key.

3) Remove the handle (3).

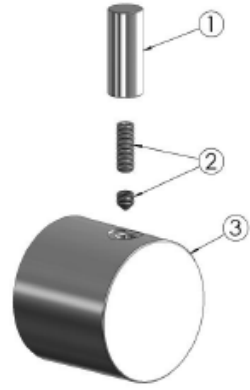


VERSION WITH LEVER

1) Unscrew the lever (1).

2) Remove the two grub screw (2) with a 2,5mm Allen key.

3) Remove the handle (3).

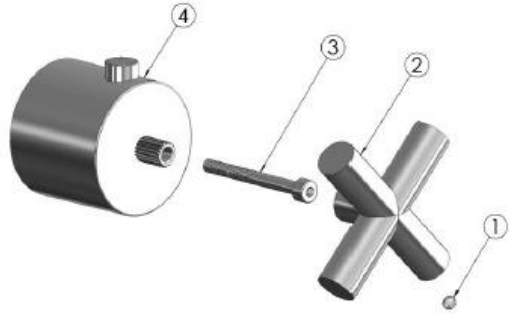


CROSS MODEL WITH GRUB SCREW

4) Remove the grub screw (1), and remove the cross (2).

5) Remove the screw (3).

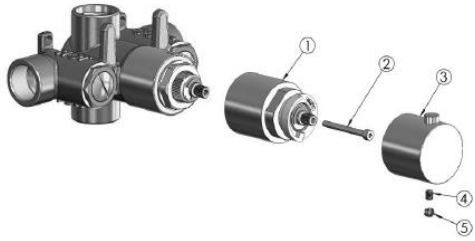
6) Remove the handle (4)



EXTENSION KITS

VERSION WITH ROUND HANDLE

Thermostatic Mixer:



Insert the extension (1) on the broach of the cartridge in order to have the reference line in vertical position.

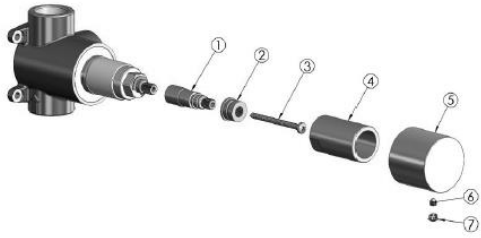
To position the stop ring, see section “Position of the stop ring” on pag.7

Fix the screw (2) with a 3mm Allen key.

Fix the regulation handle (3) screwing the grub screw (4) with a 2,5mm Allen key.

Fix the small cap (5).

Diverter:



Insert the broached extension (1) and the centring insert (2).

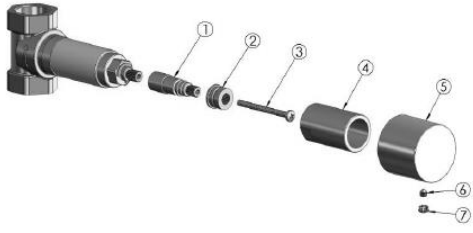
Fix the screw (3) with a Philips screwdriver.

Screw the threaded rod (4).

Fix the diverter handle (5) screwing the grub screw (6) with a 2,5mm Allen key.

Fix the small cap (6).

Shut-off Valve:



Insert the broached extension (1) and the centring insert (2).

Fix the screw (3) with a Philips screwdriver.

Screw the threaded rod (4).

Fix the closure handle (5) screwing the grub screw (6) with a 2,5mm Allen key.

Fix the small cap (7).

EXTENSION KITS

VERSION WITH FRONT CAP

Thermostatic Mixer:

Insert the extension (1) on the broach of the cartridge in order to have the reference line in vertical position.

2) To position the stop ring, see section “Position of the stop ring” on pag.7

3) Fix the regulation handle (2) screwing the screw (3) with a Philips screwdriver.

4) Fix the front cap (4).

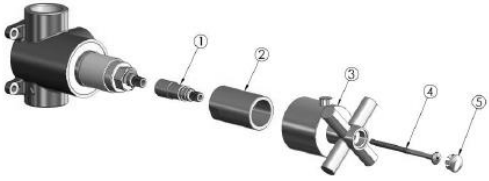
Diverter:

Insert the broached extension (1).

1) Screw the threaded rod (2).

2) Fix the diverter handle (3) screwing the screw (4) with a Philips screwdriver.

3) Fix the front cap (5).



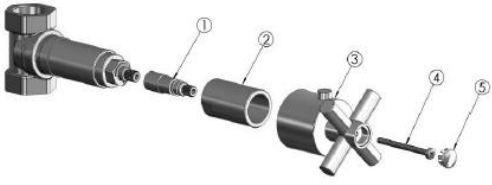
Shut-off Valve:

1) Insert the broached extension (1).

2) Screw the threaded rod (2).

3) Fix the closure handle (3) screwing the screw (4) with a Philips screwdriver

4) Fix the front cap (5).



TROUBLESHOOTING

Problem	Cause	Solution
Reduced or missing flow	Closed water inlets. Blocked mixer. Blocked connecting pipes. Blocked hand shower. Water flow reduction when other shut off valves are in function.	Control the check valves. Check if the inlet filters are cleaned. Check if the connecting pipes are cleaned. Clean or replace the hand shower. Check if the check valves are fully open. Reduce the water flow of all open outlets.
The mixer does not shut off.	The gaskets are dirty. The gaskets are damaged.	Clean/replace the gaskets. Replace the headwork.
Water too cold.	There is no enough hot water flowing through the mixer. The boiler system does not give enough hot water. The hot water inlet is restricted.	Set the regulation handle towards the hot water side. Increase the temperature of the water fed from the boiler. Check for any restriction on the pipeline.
Water too hot.	There is not enough cold water flowing through the mixer. The cold water inlet is restricted.	Set the regulation handle towards the cold water side. Check for any restriction on the pipeline.
Temperature varies during use.	Temperature has decreased below the minimum required.	Wait for the hot water to be restored.
Fluctuation of temperature of the mixer water	Inverted connections. Inverted mixer.	Use a “reverse” cartridge. Invert the mixer
Increasing of the temperature by turning clockwise. Decreasing of the temperature by turning anti-clockwise	Inverted connections. Inverted mixer.	Use a “reverse” cartridge. Invert the mixer.

BAGNODESIGN

EXPERTLY CRAFTED BATHROOMS

A member of SANIPEXGROUP

www.sanipexgroup.com