

Thermostatic valve only with volume control  
 Termostático con regulador de flujo

## INSTALLATION INSTRUCTIONS

Water Supply	Recommended	Maximum	Minimum
Hot Water Temperature	65 °C (~150F)	80 °C (~175F)	15 °C (~60F)
Working Pressure	3 BAR (~45PSI)	5 BAR (~75PSI)	0.5 BAR (~7PSI)

In case of pressures over 5 BAR (~75 PSI), we recommend to use a pressure reducer.  
Before proceeding with the assembly, purge the hot and cold water pipes so as to avoid the accumulation of dirt and impurities that could affect the function of the faucet.

**FIG. 01**  
Remove with a screwdriver the protection covers (1.A). Use the plug (1.B) if necessary.

**FIG. 02**  
Fit the faucet body to the wall with the shower outlet pointing upwards, connect the hot water supply to the left inlet and the cold water supply to the right one.  
The depth of the wall niche must correspond (**wall coating included**) to the tolerance given by the MIN/MAX references given on the plastic cover (2.A).

Once all connections have been carried out, activate the faucet at the working pressure (we recommend maintaining the water flow for a few minutes so as to purge the system from any debris and/or dirt inside the piping). Temporarily remove the protection cover (2.A) to check if there are leakages and if the system works regularly, reinstall the protection cover (2.A) and finish the external wall surface.

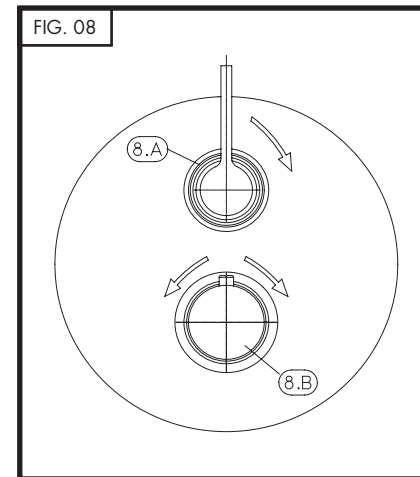
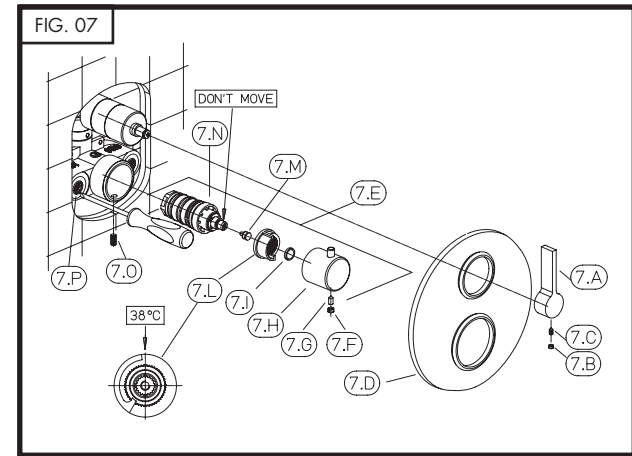
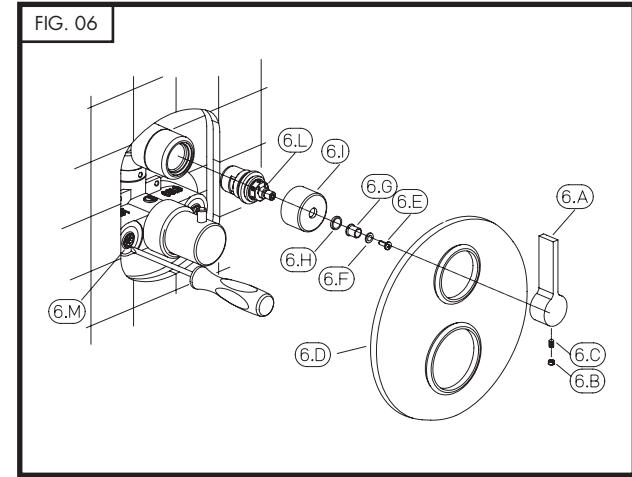
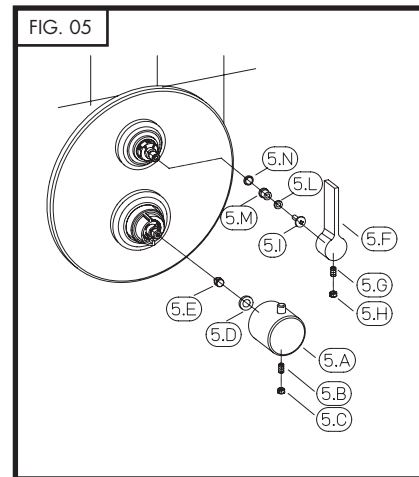
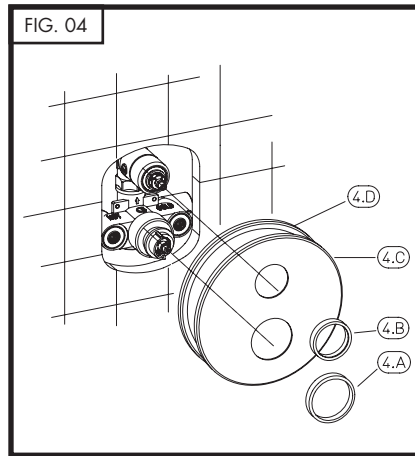
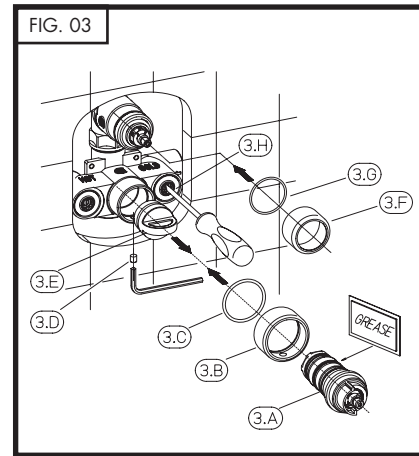
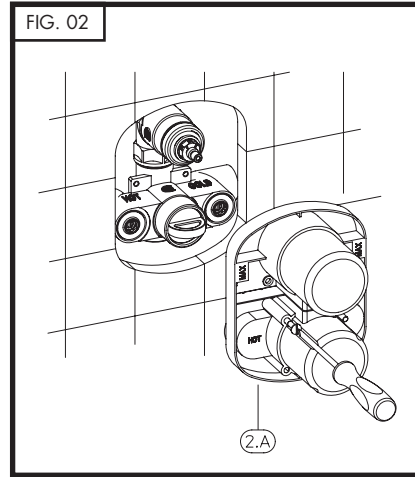
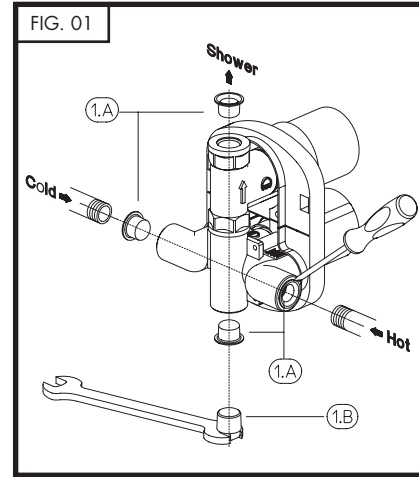
**FIG. 03**  
Remove the protection cover (2.A) as shown in FIG. 02. With a screwdriver turn the stop cocks (3.H) clockwise, loosen the fitting screw (3.D) using the proper wrench and pull out the test plug (3.E). Insert the o-ring (3.C) and the sleeve (3.B) on the thermostatic body. Fit the o-ring (3.G) into the housing on the faucet body and assemble the protection cylinder (3.F). Use a small quantity of the special grease included to lightly lubricate the o-rings of the thermostatic cartridge (3.A). Insert the cartridge in the faucet housing carefully aligning the positioning hole with the housing of the fitting screw (3.D), then tighten the latter.

**Warning!** Do not force the screw (3.D). Excessive tightening can affect the correct function of the system or damage it. The thermostatic cartridge is equipped with a safety anti-scalding retainer set at 100°F (38°C). For higher temperatures push the button on the adjustment handle. In case of hot or cold water pressure failure, the flow will automatically stop. With a screwdriver loosen the stop cocks (3.H) in anti-clockwise direction.

**FIG. 04**  
Remove the protection tape of the adhesive sponge (4.D) and apply it on the back of the plate (4.C). Fit the sliding flat washers (4.B) and (4.A) on the plate (4.C) and install it on the thermostatic body till it is flush to the wall.

**FIG. 05**  
Control handles installation.  
For the upper portion with the stop cock, follow the instructions given below:  
Fit the spacer (5.N) and the insert (5.M) on the screw down bar and fasten it using the included screw (5.I), placing the washer (5.L) in between. Fit the handle (5.F) and lock it using the grub screw (5.G). Complete by inserting the cap (5.H).  
For the lower portion with the thermostatic cartridge, follow the instructions given below:  
fasten the peg (5.E) on the thermostatic cartridge bar and install the handle (5.A) putting the ring (5.D) in between without moving the bar so as to not compromise the cartridge calibration. Tighten the grub screw (5.B) and place the finishing cap (5.C).

**FIG. 06**  
To replace only the handle (6.A) follow the instructions given below:  
Remove the cap (6.B), loosen the grub screw (6.C) and pull out the handle (6.A).  
Install the new handle (6.A) and fasten it using the grub screw (6.C), complete by inserting the cap (6.B).



To replace the screw down (6.L), remove the cap (6.B) and the grub screw (6.C) and pull out the handle (6.A). Once the plate (6.D) has been removed, screw on the stop cocks (6.M) in clockwise direction using a screwdriver, then disassemble the screw (6.E), the washer (6.F), the joint (6.G), the spacer (6.H) and the protection cylinder (6.I). Using a wrench, remove and replace the screw down (6.L). Carefully clean the support sealing surfaces of the gaskets and reassemble in reverse order.

### FIG. 07

To replace only the handle (7.H) follow the instructions given below:

Pull out the cap (7.F), loosen the grub screw (7.G) and remove the handle (7.H).

DO NOT move the bar of the new cartridge (7.N) so as to not compromise the calibration. Assemble the new handle (7.H) and lock it with the grub screw (7.G). Complete the installation by inserting the cap (7.F).

To replace the thermostatic cartridge (7.N) remove the cap (7.B), loosen the grub screw (7.C) and pull out the handle (7.A). After disassembling the plate (7.D) screw on the stop cocks (7.P) in clockwise direction using a screwdriver.

To replace the thermostatic cartridge with the handle (7.E) follow the instructions given below: remove the grub screw (7.O) and pull out the thermostatic cartridge with the handle (7.E). Install the new assembly (7.E) into the faucet housing carefully aligning the positioning hole with the housing of the grub screw (7.O). Tighten the grub screw without forcing it to prevent malfunctioning or damages.

To replace only the thermostatic cartridge (7.N) follow the instructions given below:

Remove the grub screw (7.O) and pull out of the body the thermostatic cartridge with the handle (7.E). Remove the cap (7.F) from the assembly, loosen the grub screw (7.G) and pull out the handle (7.H). Disassemble the ring (7.I), the lock nut (7.L) and the peg (7.M) from thermostatic cartridge (7.N).

Install the new cartridge (7.N) in the faucet housing aligning the positioning hole with the grub screw housing (7.O). Tighten the grub screw without forcing it to prevent malfunctioning or damages.

DO NOT move the bar of the new cartridge

(7.N) so as to not compromise the calibration. Install the temperature adjustment lock nut (7.L) as shown, then carefully tighten the peg (7.M) and assemble the handle (7.H) positioning the ring (7.I) in between. Lock it with the grub screw (7.G) and complete by inserting the cap (7.F).

Once completed the replacement, remove the stop cocks (7.P) turning them in anti-clockwise direction using a screwdriver. Reassemble the plate (7.D), fit the handle (7.A) and lock it with the grub screw (7.C). Complete the assembly inserting the cap (7.B).

### FIG. 08

The figure shows the faucet correctly assembled. Start the water flow by rotating handle (8.A) by 90° clockwise, adjust the temperature using handle (8.B).

## MAINTENANCE OF THE SURFACES

Before cleaning, make sure the faucet is cold (heat wears the surface of the faucet down). Do not use products containing acids or corrosive substances. Wipe the faucet daily with a soft cloth. Do not use steel wool or metal pads, abrasive sponges or similar products. Right after cleaning rinse off the detergent residues with cold water. Damages to the faucets caused by incorrect treatment are not covered by the warranty.