

Thermostatic valve only with diverter and volume control
 Termostático con desviador y 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 the protection covers (1.A) using a screwdriver. Use the plug (1.B) if necessary.

FIG. 02
Fit the faucet body (2.A) to the wall with the two upper outlets pointing towards the flow elements. Connect the hot water supply to the left inlet and the cold water supply to the right one.

FIG. 03
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 (3.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 (3.A) to check if there are leakages and if the system works regularly, reinstall the protection cover (3.A) and finish the external wall surface.

FIG. 04
Remove the protection cover (3.A) as shown in FIG. 03. With a screwdriver fasten the stop cocks (4.F) in clockwise direction, loosen the fitting screw (4.E) using the proper wrench and pull out the test plug (4.D). Insert the o-ring (4.C) and the sleeve (4.B) on the thermostatic body. Use a small quantity of the special grease included to lightly lubricate the o-rings of the thermostatic cartridge (4.A). Insert the cartridge in the faucet housing carefully aligning the positioning hole with the housing of the fitting

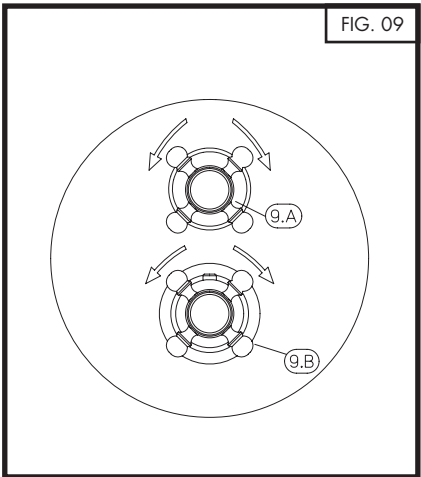
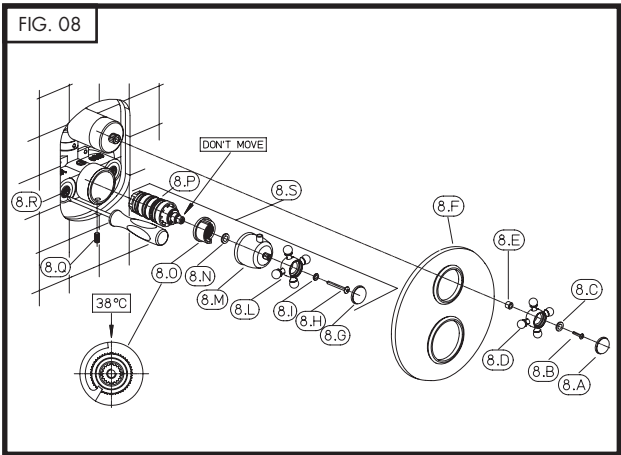
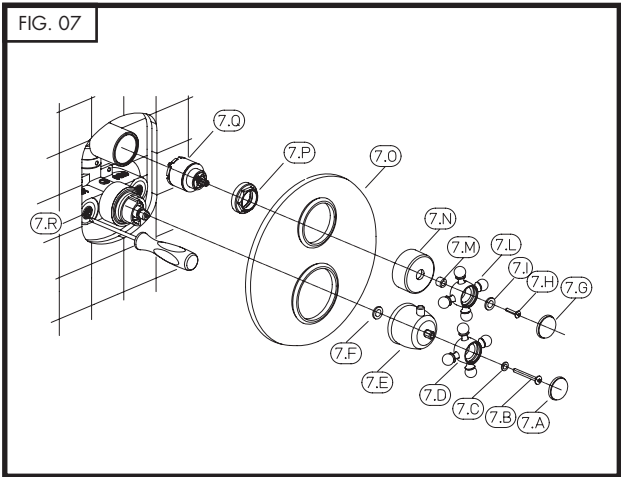
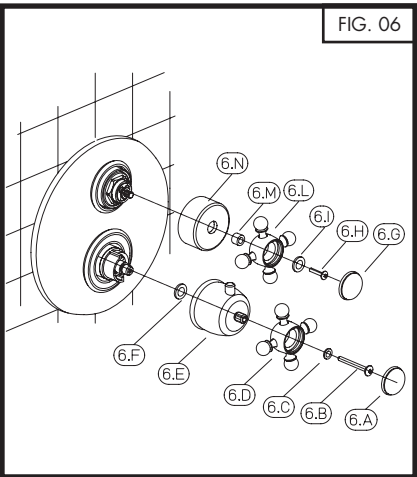
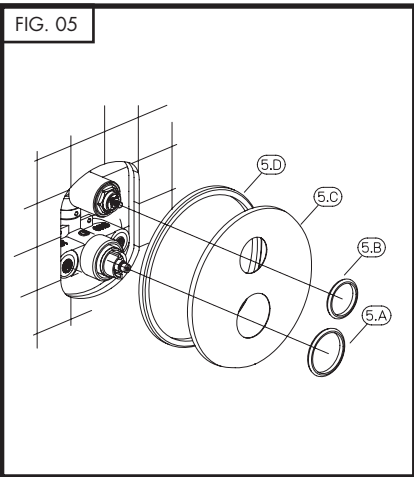
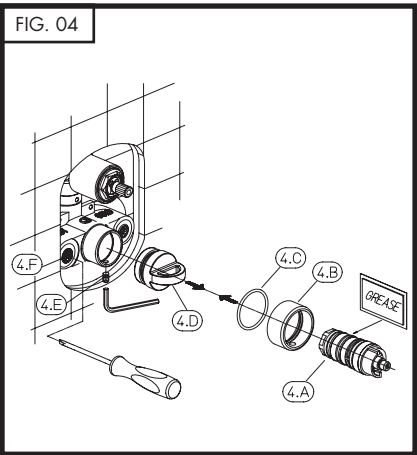
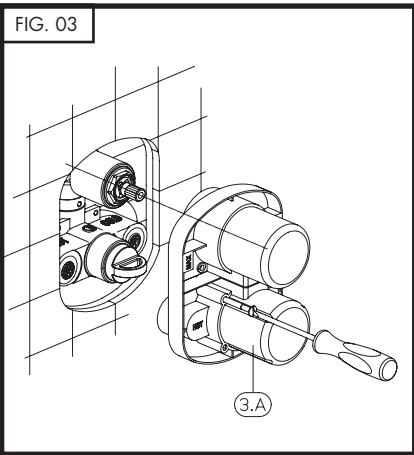
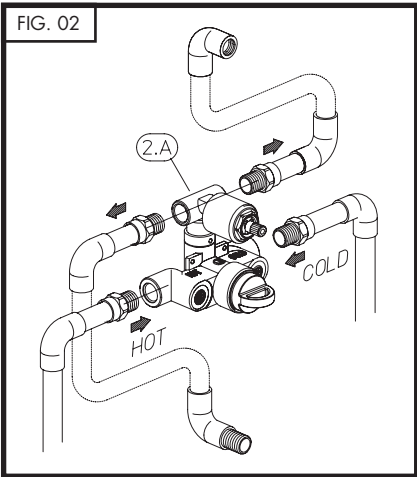
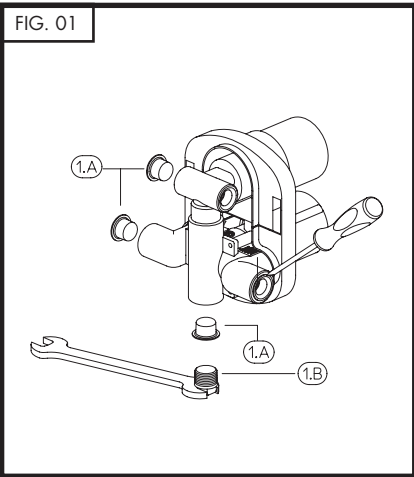
screw (4.E), then tighten the latter. **Warning!** Do not force the screw (4.E). Excessive tightening can affect the correct function of the system or damage it. The thermostatic cartridge is equipped with a safety anti-scalding retainer set at 100°F (38°C). For higher temperatures push the button on the adjustment handle. In case of hot or cold water pressure failure, the flow will automatically stop. With a screwdriver loosen the stop cocks (4.F) in anti-clockwise direction.

FIG. 05
Remove the protection tape of the adhesive sponge (5.D) and apply it on the back of the plate (5.C).
Fit the sliding flat washers (5.B) and (5.A) on the plate (5.C) and install it on the thermostatic body till it is flush to the wall.

FIG. 06
Control handles installation.
For the upper portion with the stop cock, follow the instructions given below:
Install the protection cover (6.N) on the screw down and fit the spacer (6.M) on the screw down bar. Position the handle (6.L) and lock it with the screw (6.H) placing the spacer (6.I) in between. Complete by fitting the cap (6.G).

For the lower portion with the thermostatic cartridge, follow the instructions given below:
install the lever (6.E) placing the spacer (6.F) on the thermostatic cartridge without moving the rod so as to not compromise the calibration of the cartridge. Assemble the handle (6.D), fasten it with the screw (6.B) inserting the washer (6.C) and fit the finishing cap (6.A).

FIG. 07
To replace only the handle (7.L) follow the instructions given below:
Remove the cap (7.G), loosen the screw (7.H) and pull out the handle (7.L) with the spacer (7.I).
Install the new handle (7.L) and fasten it using



the screw (7.H) and placing the spacer (7.I) in between. Complete by inserting the cap (7.G).

To replace the diverting cartridge (7.Q), remove the cap (7.G), the screw (7.H) and pull out the handle (7.L) with the spacer (7.I). Remove the cap (7.A), loosen the screw (7.B) and the washer (7.C), pull out the knob (7.D), the handle (7.E) and the spacer (7.F).

After sliding off the plate (7.O), screw on the stop cocks (7.R) in clockwise direction using a screwdriver, then disassemble the protection cover (7.N). Using a wrench, screw off the lock nut (7.P) and pull out the diverting cartridge (7.Q). Replace it if necessary making sure the support sealing surfaces of the gaskets are clean, reassemble in reverse order. **DO NOT** move the cartridge bar during the assembly so as to not compromise the calibration.

FIG. 08

To replace only the knob and the handle (8.L-8.M) follow the instructions given below:

Pull out the cap (8.G), remove the screw (8.H) and the washer (8.I), then slide off the knob (8.L) and the handle (8.M).

DO NOT move the cartridge bar (8.P) so as to not compromise the calibration.

Reassemble the new knob and handle (8.L-8.M) and fasten them with the screw (8.H) placing the washer (8.I) in between and complete by installing the cap (8.G).

To replace the thermostatic cartridge with the handle (8.S) shut down the water supply system and follow the instructions given below:

loosen the grub screw (8.Q) and pull out the thermostatic cartridge with the handle (8.S) from the body. Install the new assembly (8.S) in the faucet housing carefully aligning the positioning hole with the grub screw seat (8.Q). Tighten the grub screw without forcing it so as to not cause malfunctionings or damages.

To replace only the thermostatic cartridge (8.P) follow the instructions given below:

Remove the cap (8.A), the screw (8.B) and pull out the knob (8.D) with the spacer (8.C). Remove the cap (8.G), loosen the screw (8.H) and the washer (8.I), then slide off the knob (8.L), the handle (8.M) and the spacer (8.N).

After sliding off the plate (8.F) tighten the stop cocks (8.R) in clockwise direction using a

screwdriver. Loosen the grub screw (8.Q) and pull out the thermostatic cartridge from the body; remove the lock nut (8.O) from the cartridge.

Install the new thermostatic cartridge (8.P) into the faucet housing carefully aligning the positioning hole with the seat of the grub screw (8.Q). Tighten the grub screw without forcing it so as to not cause malfunctionings or damages.

DO NOT move the cartridge bar (8.P) so as to not compromise the calibration.

Once completed the replacement, loosen the stop cocks (8.R) counter-clockwise using a screwdriver. Reassemble the plate (8.F), fit the knob (8.D) placing the spacer (8.E) in between and fasten with the screw (8.B) and the spacer (8.C), then complete by inserting the cap (8.A). Install the temperature lock nut (8.O) as shown, place the spacer (8.N), the handle (8.M), the knob (8.L), tighten with the screw (8.H) inserting the washer (8.I) and complete by installing the cap (8.G).

FIG. 09

The figure shows the faucet correctly assembled. Start the water flow by rotating clockwise or anti-clockwise lever (9.A) by 90°, adjust the temperature using handle (9.B).

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.

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.