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manuale di istruzione miscelatore termostatico regolabile 0405 inglese



CERT. S.Q LRC131203

SIGMAR marine ADJUSTABLE THERMOSTATIC MIXING VALVE

Thank you for having chosen our adjustable thermostatic mixing valve. This kit permits the mixing valve to be easily mounted onto all SIGMAR Marine water heaters.

Every kit (P/N 15.003) is made up of:

P/N 10.324 Thermostatic mixing valve with 1/2" female fittings

P/N 10.247 Flexible stainless steel tube 1/2" Male-Female - length 400 mm (10")

P/N 10.248 1/2" brass "T" fitting

P/N 10.322 brass double screw

P/N 10.251 1/2" flat rubber gasket

Function:

SIGMAR marine mixing valves function automatically. All you have to do is turn the knob in the desired direction in order to obtain a temperature between 38°C (100°F) and 65 °C (149°F) with a tolerance of $\pm 7^\circ\text{C}$ ($\pm 44^\circ\text{F}$).

The reliability of the device is assured by its simple design and no need of auxiliary energy. A thermostatic bulb senses the temperature of the mixed water and maintains it by changing the amount of hot or cold water mixed. **N.B. in order to obtain a correct mix, the pressures of the hot and cold water must be the more or less the same.**

Characteristics:

Temperature range : 38° - 65 °C $\pm 7^\circ\text{C}$ (100 °F - 149 °F $\pm 44^\circ\text{F}$)

Flow rate Δp 1 bar (14.5 Psi) (kv): 1.300 l/h (347 US gals/h)

Max. temperature: 110 °C (232 °F)

Max. pressure : 10 bar (145 Psi)

Installation and adjustment:

NB: To assure seals use hemp, Teflon or Loctite 572.

1. Turn off the electrical connection to the water heater.
2. Close the cold water in-feed to the water heater.
3. Open the water heater's drain valve which is located on the safety non-return valve in order to relieve the pressure in the water heater (see point 6 on the plumbing connection diagram in instructions manual of water heater).
4. Screw the brass double screw (P/N 10.322) onto the water heater's hot water outlet (see point 1, water heater's instructions manual).
5. Screw thermostatic mixing valve fitting (P/N 10.324) (marked \Rightarrow in picture) onto the brass double screw (P/N 10.322).
6. Screw the 1/2" "T" fitting (P/N 10.248) to the safety non return valve (cod. 10.012) located on the water heater.
7. Connect the male fitting of the flexible stainless steel tube (P/N 10.247) to the central boss of the 1/2" "T" fitting (cod. 10.248).
8. Connect the female fitting of the flexible stainless steel tube (P/N 10.247) to the fitting of the thermostatic mixing valve (P/N 10.324) (marked \Uparrow in picture) using the rubber gasket (P/N 10.251) to maintain the watertight seal. Verify that connection does not impede access to the electrical parts of the water heater.
9. Connect fitting of the thermostatic mixing valve (P/N 10.324) (marked \Rightarrow in picture) to the hot water outlet pipework.
10. Close the drain valve on the safety non return valve.
11. Open the cold water in-feed valve to the water heater.
12. Allow the water heater to heat the water.
13. Adjust the knob of the mixing valve in order to achieve the desired temperature.

Should you desire to exclude the function of the thermostatic mixing valve it is necessary to install a gate valve between 1/2" "T" fitting (P/N 10.248) and the thermostatic mixing valve (P/N 10.324). When the gate valve is shut, thus not allowing the flow of cold water, the mixing valve does not mix the water.

