



TECHNICAL SPECIFICATIONS

SPECIAL FEATURES

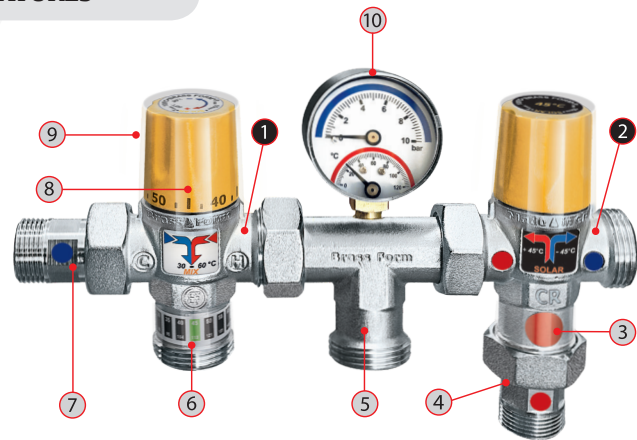
- Drinkable water approved.
- Thermostatic Cartridge EN 1111, NF 077-DT4. Maximum Resistance to lime Scale Fitted with Anti Scalding Safety Function.
- Certified Dezincification Resistance alloy (DZR) CR (CW 602 N) drinkable water approval, chrome plated
- Build in Check Valves and Stainers On Hot and Cold Water Inlets.
- Terminal Pressure and Temperature Gauge connections points.
- Innovative Real Time Temperature and Water Flow Indicator Build in (LCD) thermometers, under UV protection cover.
- Accuracy (m³/h): 1.4
- Flow Rate Kv (m³/h): 1.4
- Max Pressure 10 bar / Max Temperature 100°C

GENERAL INSTALLATION INSTRUCTIONS

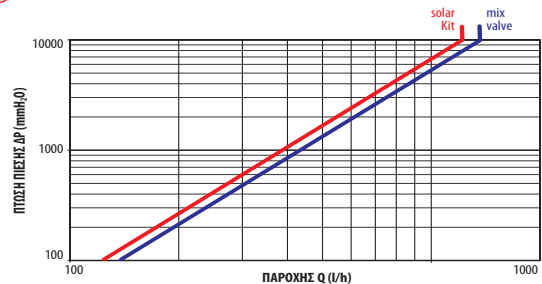
The Thermostatic mixing and diverter valves are designed for use in solar thermal systems. Before installing them in the circuit, it is necessary to clean the circuit from any impurities circulating in the piping.

They both can be installed in any position (vertically, horizontally, or upside down) without affecting their operation and performance. The temperature can be adjusted by turning the thermostatic valve handle either dock wise or counterclockwise. By rotating it clockwise, the temperature in the flow drops while the temperature rises in the opposite direction. The handle on the mixing valve has a pre-assembled temperature calibration for quick and easy adjustment while the diverting valve is locked and preset at 45°C.

The thermostatic valves are equipped with an adjusting protection cap. To adjust the temperature, remove the transparent cover, set the desired temperature and then place it again, guided by the two valve outlines.



- 1 Thermostatic mixing valve (setting range 30-60°C)**
- 2 Thermostatic diverter valve (default temperature set 45°C)**
- 3 Solar system working indicator**
-Temperature sensor (LCD) in inlet
-Red sign when above 45°C - Green sign when below 45°C
- 4 High temperature solar check valve with built in strainer (Black color check valve)**
- 5 Tee fitting upon 1" swivel connection**
-Installation in 360° with 1/4" gauge connection
- 6 Real time thermometer**
-LCD screen green color on temperature control level
- 7 Check valve with built in strainer (White color check valve)**
- 8 Adjusting Knob with temperature setting range**
- 9 Transparent Cover for locking the position with UV protection**
- 10 Temperature and pressure control (Thermomanometer)**

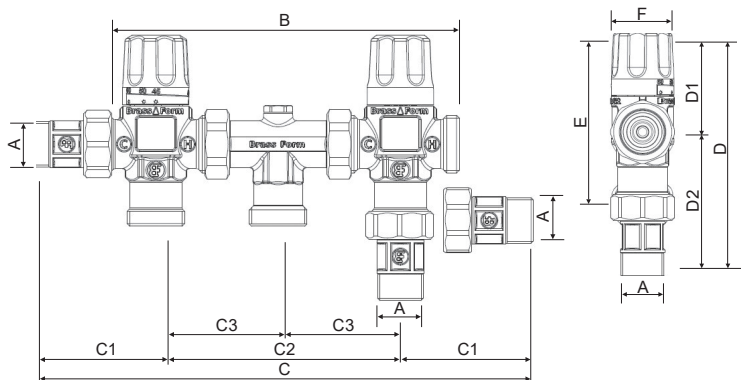


SPECIFICATION

Thermostatic Valves SolarKit

Specifications

| | |
|--|-----------|
| flow rate Kv (m ³ /h) | 1.4 |
| Pressure class | PN10 |
| Maximum working pressure | 5 bar |
| Maximum working temperature | 100°C |
| Temperature setting range | 30- 60°C |
| Accuracy | +/- 2°C |
| Threads according to | ISO 228-1 |
| Compatible fluids | Water |
| Diverting valve default Temperature set | 45°C |
| Maximum inlet pressure ratio (H:C or C:H) | 2:1 |
| Minimum flow rate | 4 L/min |
| Minimum temperature difference between inlet hot water and mixed water | 10°C |



Requirements and Tests according to Standards NF077-DT4EN1111

| CODE | A | B | C | C1 | C2 | C3 | D | D1 | D2 | E | F |
|------|-----|-----|-----|----|-----|----|-----|------|------|-------|----|
| 4560 | 1/2 | 207 | 290 | 75 | 140 | 70 | 151 | 62.5 | 88.5 | 109.5 | 38 |
| 6045 | 3/4 | 207 | 292 | 76 | 140 | 70 | 152 | 62.5 | 89.5 | 109.5 | 38 |