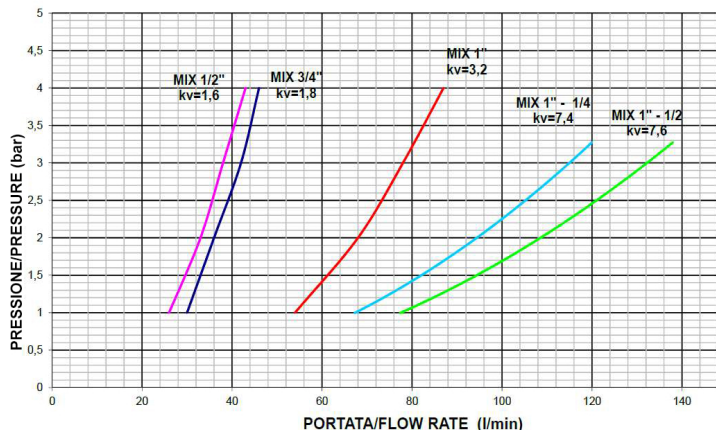
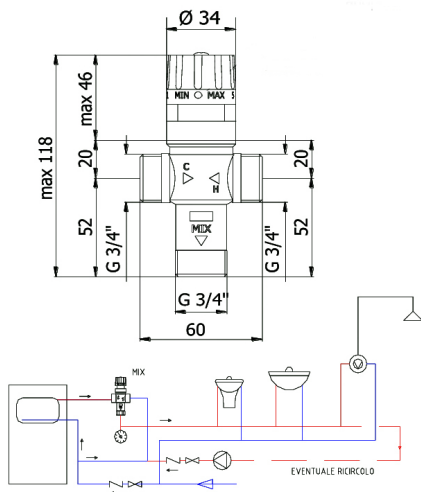


TECHNICAL DRAWING



PHOTO



**PRODUCT FAMILY:** THERMOSTATIC MIXER - MIX SOLAR SERIES  
**CODE:** TMT34MSUN  
**DESCRIPTION:** 3/4" THERMOSTATIC MIXER FOR SOLAR PANELS

**HYDRAULIC PERFORMANCES:**

See the chart Pressure/Water Flow.  
 Anti Scald function: in the absence of cold water from the system, the mixer automatically closes the hot water inlet interrupting the output water supply to avoid possible burns.  
 Designed to withstand temperature peaks over 100°C.

**APPROVALS/CERTIFICATIONS:**

TUV system certification UNI EN ISO 9001:2008.  
 Designed following the main requirements of UNI EN 1111 rule.

**PRODUCT FEATURES:**

The thermostatic mixing valves regulate at a preset value the water temperature, automatically mixing hot and cold water. They allow for the utmost comfort, a considerable water and energy savings and avoid the risk of accidental burns. Recommended for use in systems for the distribution of hot water, produced by water heaters of any kind, in communities and private bathrooms.  
 The mixer is factory set using cold water at 15°C and hot water at 65°C, at 3 bar, so that the printed numbers correspond indicatively to the temperatures reported in the above shown chart.  
 Specifically designed for installation in systems with solar panels; actually in these plants during summer and in case of little withdrawal, very high temperatures, next to 100°C, can be reached, which may also cause safety issues.  
 The thermostatic mixing valves for solar panels ensure safety and efficiency to the system and they are designed to withstand temperature peaks of over 100°C. The knob can be locked by means of a specific grain on the cap to prevent accidental tampering. The inputs and outputs feature 3/4" G male connections. It is possible to purchase art. code Kit.7: 1/2" union consisting of 3 3/4" nuts and 3 1/2" G male shanks.

**TECHNICAL DETAILS:**

Input connections: 3/4" male  
 Output connection: 3/4" G male  
 Maximum pressure (static): 1.000 kPa (10 bar)  
 Working pressure (dynamic): 100÷500 KPa (1÷ 5 Bar)  
 Maximum inlet temperature: 100°C  
 Setting range: 30÷65 °C  
 Setting accuracy: ±2 °C  
 Kv: 1,8 m³/h  
 Knob with locking device

**FIXING/INSTALLATION:**

Always respect the connections:  
 HOT (H) = hot water inlet  
 COLD (C) = cold water inlet  
 MIX = mixed water outlet  
 -If the pressure of hot and cold water are significantly different from each other, check valves must be installed at the inlets.  
 -If the water feeds contain corpuscles, filters must be mounted.

The above mentioned information cannot be considered as binding. Thermomat S.r.l. reserves the right to make technical and aesthetic changes without any prior notice.

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**PRODUCT COMPOSITION:**

Body made of forged brass UNI EN 12165 CW617 N sandblasted and nickel-plated  
Shutter and internal elements made of brass UNI EN 12164 CW614 N

O-RING - EPDM

Thermosensitive wax element

Springs - Stainless steel AISI 302

Knob - Nylon PA6

**PRODUCT PACKING:**

Packing according to necessity.

Weight: 0,37 kg (without packaging).

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