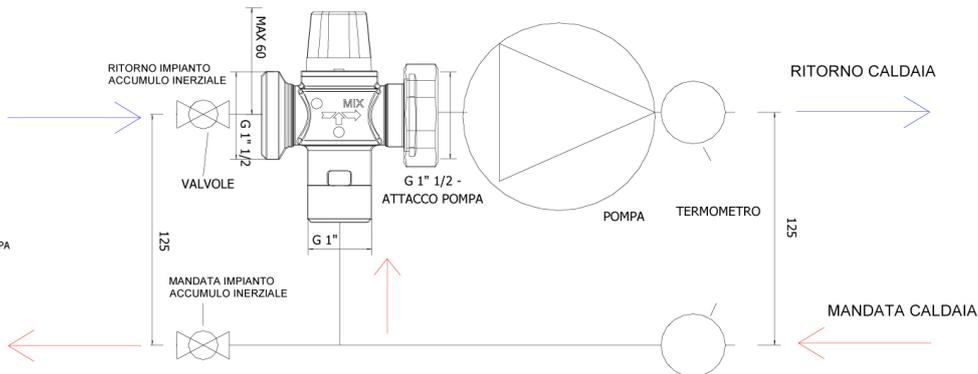
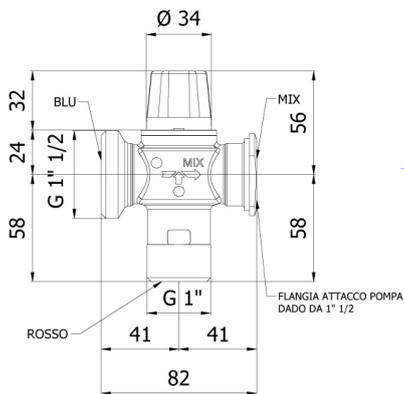


TECHNICAL DRAWING



PHOTO



**PRODUCT FAMILY:** THERMOSTATIC MIXER - MIX THERMO-A SERIS  
**CODE:** TMA112M50

**DESCRIPTION:**  
 "L" shaped thermostatic mixer- anticondensation 50°C, with pump outlet connection G 1" 1/2

**HYDRAULIC PERFORMANCES:**

Particularly suitable in closed circuits where it is necessary to constantly adjust the temperature of the water returning to the boiler. Their use allows to improve the performance of heat generators by increasing the speed of set up of the system and limiting the phenomena of condensation formation.

**CERTIFICATIONS:**

TUV certification UNI EN ISO 9001:2008.

The mixer is factory set to a temperature of 50 + 5°C and it is suitable for generators at low temperature. The operation is so that up to 50°C, the valve holds the by-pass of the circuit open, while maintaining the hot water in the boiler and thus avoiding the formation of condensation. The valve however feeds the end-supply, gradually allowing the system to come up to optimal functioning. At a temperature between 50 and 55°C, the valve opens progressively, little by little closing the circuit by-pass. Over 55°C, the bypass is fully closed and the valve sends all the fluid to the user supply so the temperature can rise up to the maximum value, at this point the system is fully operational. The connections are RED 1" G &#8203;&#8203;male, BLUE 1" 1/2 male G, MIX pump mounting flange nut for 1" 1/2. Kit 10nut to the outlet flange. The building shape of the body with input connections (RED-BLUE) at 90° is particularly advantageous in all applications in which the to and fro pipes are positioned in parallel, or in the mounting of the valve within the temperature control units in which you must keep a distance of 125 mm between the pipes.

**TECHNICAL DATA:**

Inlets: RED 1" G male, BLUE 1" 1/2 G male  
 Outlet: pump connection flange for 1" 1/2 nut (not included)  
 Maximum working pressure: 10 bar  
 Recommended pressure: 0-5 bar  
 Maximum inlet temperature: 90°C  
 Setting at 50+5 °C  
 Anti tampering cap.  
 KV: 2,7 m3/h

**INSTALLATION:**

Always respect the connections:  
 RED = hot water inlet (inward)  
 BLU = cold water inlet (backward)  
 MIX = mixed water outlet  
 - If the water from the supply contained corpuscles you need to mount filters.

**PRODUCT LISTING:**

Body in molded brass UNI EN 12165 CW617 N sandblasted  
 Shutter and internal parts in brass UNI EN 12164 CW614 N  
 O-RING NBR  
 Wax thermosensitive element  
 Stainless steel springs AISI 302  
 Nylon handle PA6

**TOLERANCES:**

**PACKAGING OF THE PRODUCT:**

Packing according to necessities  
 Weight: 0,6 kg (without packaging).

ST_PRODOTTO: TMA112M50 - 1	APPROVATO
REV.00 DEL 28/03/11	R.T.

