

THERMOSTATIC MIXING VALVES (Termostatik Karışım Vanası)

Syntech
automation

ANTI-SCALD THERMOSTATIC MIXING VALVE

Anti-scald thermostatic mixing valve suitable for small and medium applications with Male union connections. Chrome plated. Adjustable user temperature from 30°C up to 65°C by means of a knob.

- Max static pressure 10 bar (PN 10); dynamic 5 bar;
- Max ratio between pressures 2:1;
- Max inlet temperature: 90°C;
- Setting range: 30÷65°C. Accuracy ± 2°C.

External connections: 1" and 1"1/4 Male union.



Layout: symmetric



Code 1": **04799T**
Code 1 1/4": **05799T**



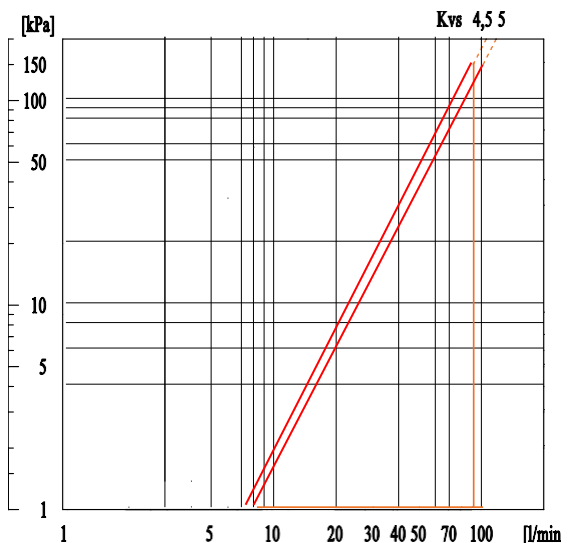
Available Kvs:

4.5 (1" code 04799T) = Middle water consumption; up to 92 L/min (1.5 bar)
5.0 (1"1/4 code 05799T) = Middle water consumption; up to 102 L/min (1.5 bar)



Available temperatures:

Adjustable temperature from 30°C to 65°C



The safety anti-scald function automatically stops the hot water flow in case of failure of the cold water line.

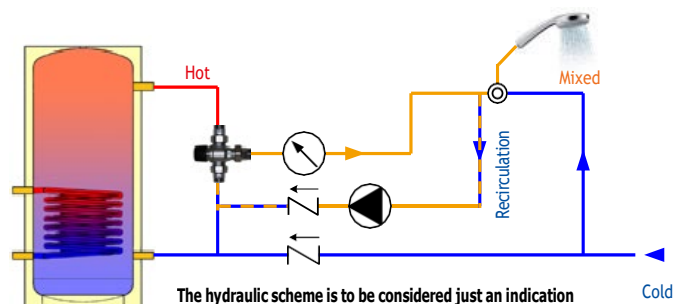
Thermostatic mixing valves with anti-scald protection

The thermostatic mixing valve is used in domestic hot water systems and it controls temperature to preset value. It allows to keep constant mixed water temperature for the end user, regardless of inlet conditions both of hot and cold water.

Knob: reference temperatures

Kvs	MIN	1	2	3	4	5	MAX
4,5 and 5,0	-29°C	31°C	46°C	53°C	60°C	65°C	-68°C

$T_H = 65^\circ\text{C}$ $T_C = 15^\circ\text{C}$ $P = 3\text{ bar}$



In compliance to the Italian Ministerial Decree N°174/2004.

Following specific laboratory tests, the mixing valve, art 726, has been verified to comply with D.M. 174/2004. The other articles of the same family of thermostatic mixing valves are similar to the verified model, having the same components and equal contact surface.



Max recommended flow rate for a constant flow within ±2°C.

Kvs	Max l/min
4,5	92
5,0	102