

TL117

Lockable thermostatic mixing valve

Technical data sheet



Description

The TL117 thermostatic mixing valve is a regulator designed to supply mixed water to washbasins with limited temperature.

- Easily interchangeable modular control mechanism.
- Polypropylene protective cover closed by a screw making the regulation part tamper-proof.
- Non graduated device for a temperature to be preset by the installer.
- Immediate and high performance anti-scald safety.
- Equipped with 2 NF certified check valves and stainless steel filters.
- Modular regulation mechanism easily interchangeable.
- Can be installed in any position.
- Brass body.
- Nickel-plated finish.

Technical features

Technical features	
Maximum static pressure	10 bar
Maximum dynamic pressure	6 bar
Operating pressure	2 to 4 bar
Hot temperature supply *	60°C – 70°C
Cold temperature supply *	5°C – 20°C
Temperature setting range	15 to 50°C (factory pre-set at 38°C in mixed water)
Flow rate at 3 bar	42 l/min
Flow mini.	5 l/min
Maximum hot water temperature	85°C

* differential minimum hot/mix temperature must be 10°C.

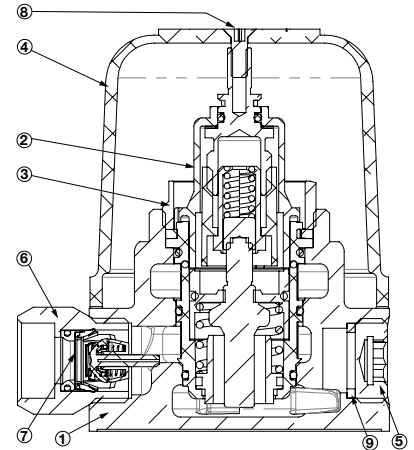
Part number



Part number	Body	Connections	Flow	Setting range	Weight
22TL117	DN15	F/F/F 1/2"	42 l/min	15/50°C	1,295 kg

Nomenclature and materials

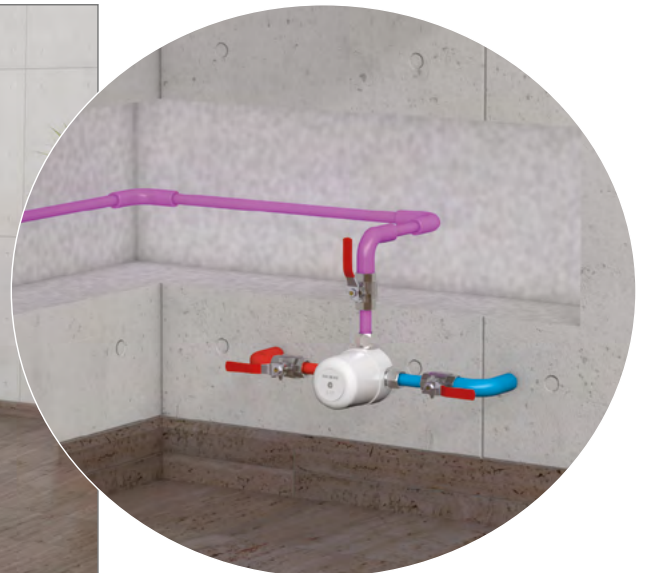
N°	Designation	Materials	EURO
1	Body	Brass	CB770S
2	Cartridge	TCP7	
	Finish	Nickel plated	
3	Nut	Brass	CW617N-4MS
4	Cover	Plastic	PPHD
5	Plug	Brass	CW617N-4MS
6	Connection	Brass	CW617N-4MS
7	IO Check valve	POM (seat, valve) + stainless steel (spring) + EPDM (seal)	Hostaform C13031 Natural + EPDM 70 Sh + EN10270-3-X10CrNi18-8 (302)
8	Screw	Stainless steel	1.4310 (AISI 301/302)
9	Seal	Plastic	PA 6



Application

The TL117 thermostatic mixing valve can be used in:

- Schools
- Restaurants
- Laboratories
- Businesses
- Anywhere where it is necessary to supply water at a pre-set temperature up to 5 taps.



Installation

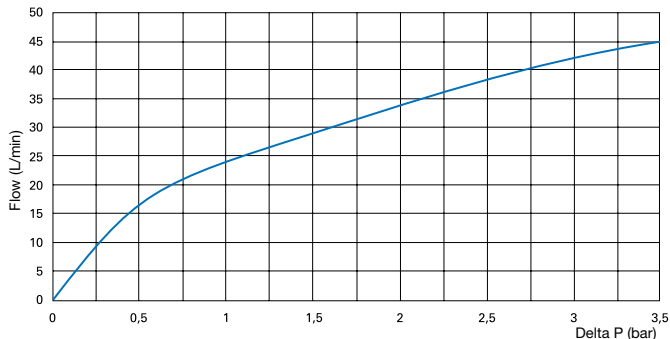
Position and fix the unit; it works in any position.

Shut-off valves should be installed near the thermostatic mixing valve, at least on the inlets, to allow the isolation of the device for maintenance or the removal of the cartridge without draining the system.

The valves on the inlets remain wide open during normal operation.

Operating

Headloss chart



Maximum recommended flow rates

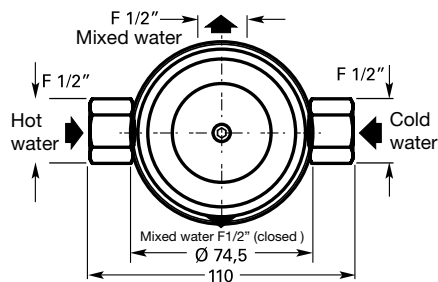
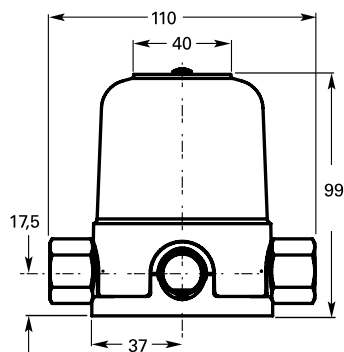
(they correspond to speeds of 2 m/s)

- with 12x14 pipes: 21 l/min
- with 14x16 pipes: 24 l/min
- with 16x18 pipes: 33 l/min

Minimum acceptable flow rate: 5 l/min

Maximum acceptable flow rate: 42 l/min

Sizing



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