

RLT M2

Thermostatic mixing valve

Technical datasheet



Description

The RLTM2 thermostatic mixing valve thermostatically mixes the hot water from the generator with the cold-water from the supply. It saves hot water by allowing domestic water to be dispensed at a chosen, constant temperature.

- Valve with L-shaped suitable for a wide range of installation configurations, reducing installation time
- Very compact construction
- Complies with EN1111 and EN1287 standards
- Integrated NF valves to protect against backflow
- Adjustable temperature range from 25 to 55°C
- Compatible with high temperatures up to 110°C for solar installations

RLT M2

Mitigeur thermostatique



2297152



2297009M2HT



2297019M2

DN "	mm	Connection	Flow (at 3 bar)	Setting range	Reference	Weight Kg
1/2	15	F/F/F	38l/min	25 to 55°C	2297152	0,338
3/4	20	M/M/M	38l/min	25 to 55°C	2297009M2	0,361
3/4	20	M/M/M	38l/min	25 to 55°C	2297019M2*	0,361
3/4	20	M/M/M	38l/min	25 to 55°C	2297009M2HT**	0,390

*with direct drive

**hot temperatures (until 110°C)

Important :

Les indications de température et de pression données ne constituent en aucun cas une garantie d'utilisation. Il est donc indispensable de valider l'utilisation des produits en fonction des conditions de service auprès de notre service préconisation.

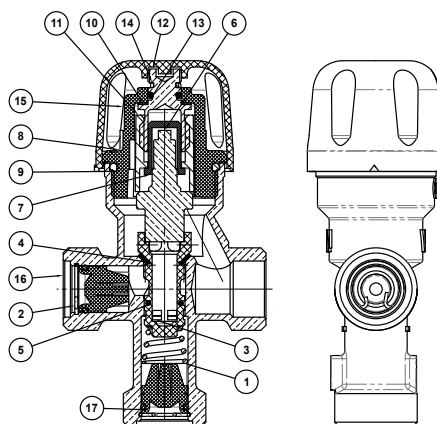
Technical features

Maximum static pressure	10 bar
Operating pressure	0,2 to 5 bar
Hot temperature supply*	50°C - 85°C
Cold temperature supply*	5°C - 20°C
Temperature setting range	25°C / 65°C
Flow rate at 3 bar	38 l/min
Flow mini	5 l/min

* Differential minimum hot/mix temperature must be 10°, minimum 5°C.

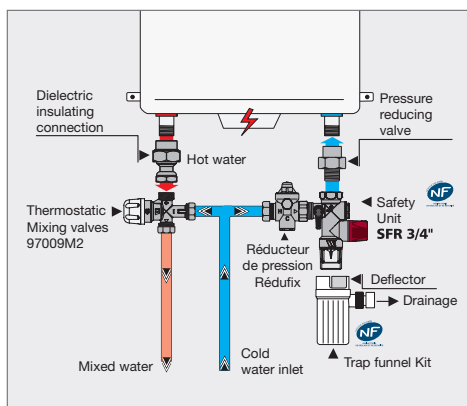
Nomenclature et materials

N°	Designation	Materials
1	Body	Brass
2	Spring	Stainless steel
3	Piston	Grivory
4	Piston seal	NBR
5	Seal	EPDM
6	Vernet capsule	
7	Support cage	Brass
8	Head	Grivory
9	O-ring	NBR
10	Friction washer	PTFE
11	Mixer head nut	Hostaform
12	Axle	Brass
13	O-ring	EPDM
14	Clips	Brass
15	Cap	PP



Application

L-pattern thermostatic mixing valve for general purpose applications. Typical hand wash basin applications could be sport halls, motorways services, domestic homes, shopping malls, or public buildings.



Installation and setting

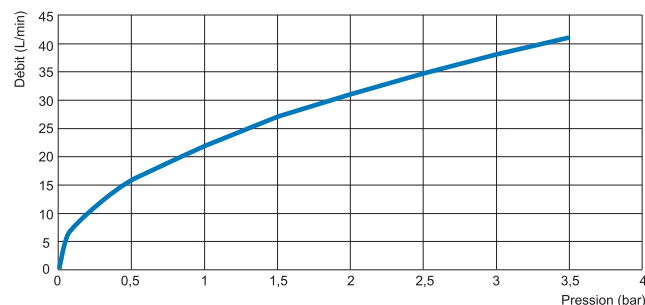
To maintain the performance of the valve, a filter must be installed upstream of the main water supply, eliminating any risk of from debris. The thermostatic mixing valve is supplied factory pre-set at 38°C. However, installation conditions will dictate that the product be adjust on site.

- To adjust the temperature, simply unscrew the locking screw on the top of the cap, set the valves and lock with the screw.
- To increase the temperature, turn anticlockwise
- To decrease the temperature, turn clockwise

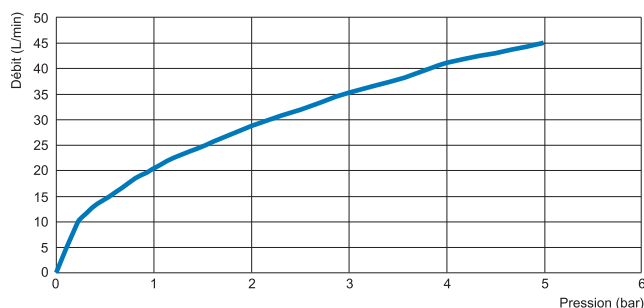
The thermostatic mixing valve is designed for use in domestic hot water systems where the water temperature must be kept exact, constant and modifiable at will. To guarantee efficient operation of your systems optimizing energy performance and extending product life, it is recommended to ensure the quality of the water used. This helps limit damage caused by scaling, corrosion and fouling. Water quality has an impact on the proper operation of all your fittings. We recommend that you check your water hardness regularly and keep it between 15 and 20°f. Water with a TH of between 25 and 50°f is highly susceptible to scaling, and often forms heterogeneous deposits that lead to corrosion. In contrast, water that is too soft is corrosive, eating away at pipe walls and encouraging the formation of leaks. There are very soft waters (<10°f), soft waters (10 to 20°f), hard waters (20 to 30°f) and very hard waters (>30°f). the precision, sensitivity and durability of a thermostatic mixing valve can only be guaranteed if it is perfectly maintained and correctly selected and sized beforehand. If the recommend level of water hardness is exceed, water treatment solutions are available on the market as a preventive measure.

Operation

M/M/M 3/4" - Headloss chart



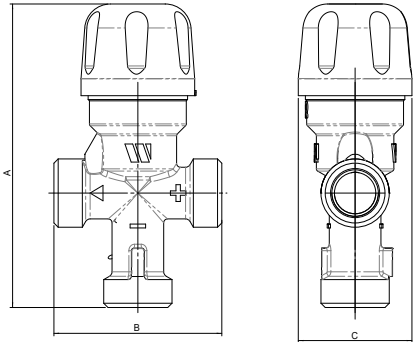
F/F/F 1/2" - Headloss chart



Sizing (mm)

Reference	A	B	C
	mm	mm	mm
2297152			
2297009M2			
2297019M2*	117,5	65	Ø44
2297009M2HT**			

*with direct drive
**hot temperatures (until 110°C)



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