RLT HT

Adjustable High Temperature
thermostatic mixing valve

Technical data sheet

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Description

The RLT thermostatic controller with "L" passage is for general use such as temperature reduction for sinks or small hot water productions.

The High Temperature model is compatible with solar installations and temperatures up to 110°C.

- Immediate fail-safe in case of cold or hot water interruption (mixing valve cut-off with residual flow).
- L-pattern design can aid system configuration and reduce installation time.
- Provides stable mixed water temperature.
- Free clip-on cap protecting the device from tampering.
- Integral check valves for protection against cross-flow (size Female 1/2" delivered without check-valves).
- Can be fitted in any position.
- Nickel plated finish.

Technical features

Technical features	
Maximum static pressure	10 bar
Maximum dynamic pressure	6 bar
Operating pressure	0,2 to 5 bar
Hot temperature supply *	50°C – 110°C
Cold temperature supply *	5°C – 20°C
Temperature setting range	25°C / 55°C (factory pre-set at 38°C in mixed water)
Flow rate at 3 bar	38 l/min
Flow mini.	5 l/min

* differential minimum hot/mix temperature must be > 20°C (ΔT EC/EM > 20°C)

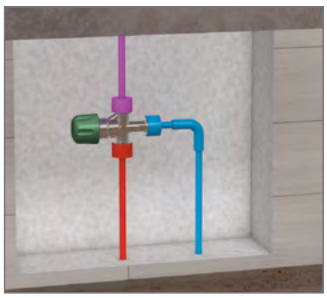
Part number

Part number	Body	Connections	Flow	Setting range	Weight
2297009M2HT	DN20	M/M/M 3/4"	38 l/min	25/55°C	0,325 kg

Application

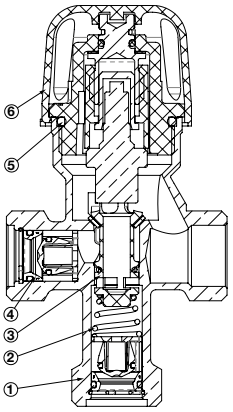
The Thermostatic Limiting Regulator allows the control of the temperature of small hot water productions in:
- private homes
- motorway services
- commercial centers
- public buildings

The High Temperature model is compatible with solar systems and temperatures up to 110°C.



Nomenclature and materials

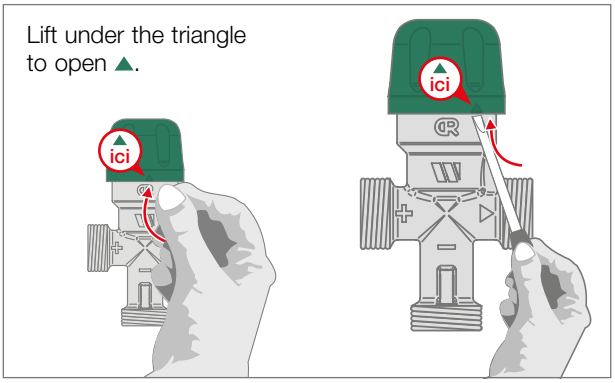
N°	Designation	Materials	EURO
1	Body	DZR anticorrosion brass	CW625N
	Finish	Nickel plated	
2	Spring	Stainless steel	1.4310 (AISI 301/302)
	Others brass parts		CW617N-4MS
3	Piston	Plastic	Grivory HT1V-4FWA black 9225 (PPA)
4	CO 15 Check valve	POM (seat, valve) + stainless steel (spring) + rubber (seal)	Hostaform C13031 Natural + EPDM 70 Sh + EN10270-3-X10CrNi18-8 (302)
5	O-ring	EPDM & NBR	
6	Head	Plastic	Grivory HT1V-4XFWA black 9225 (PPA)



Installation and setting

To maintain the performance of the mixing valve, a filter must be installed upstream of the main water supply.
The thermostatic mixing valve is supplied factory pre-set at 50°C.
However, installation conditions will dictate, that the product be adjust on site.

To adjust the temperature, simply remove the plastic cap.

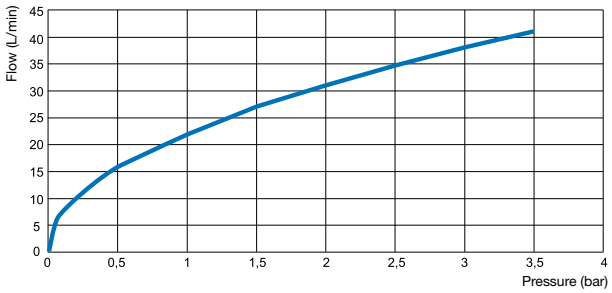


Then you have to manipulate the axis:
- To increase the temperature, turn anti-clockwise.
- To lower the temperature, turn clockwise.

After adjustment, replace the cap to lock the adjustment and protect the valve.

Operating

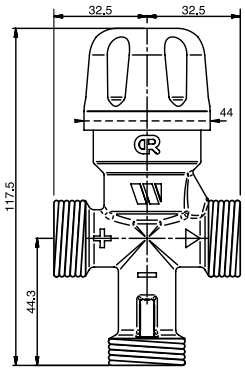
Headloss chart



Factory pre-set at 50°C

Sizing (mm)

- M/M/M 3/4”



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