

/ Function

Icma thermal release valve prevents overheating in thermal generators (for example: biomass-fired boilers).

When the working temperature is reached, the valve opens, enabling hot water in excess to be discharged, and letting cold water flow into the boiler.

Thanks to a wax sensor, at water temperatures above 100 °C, the valve opens to both release hot water and, at the same time, to let cold water flow into the boiler so that it continues to operate at a safe temperature.

Once the water temperature in the boiler is back to normal, the valve closes automatically both the incoming and the discharge flows.

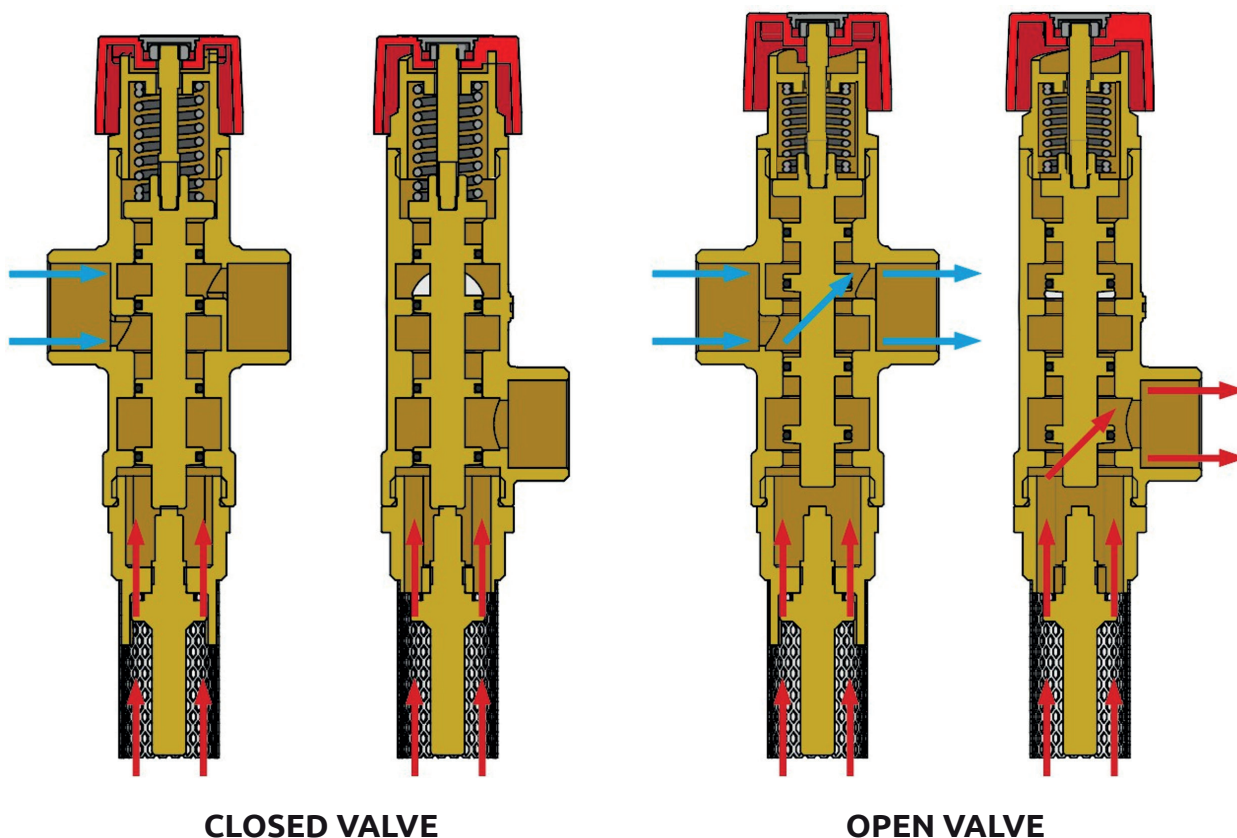
ATTENTION: the thermal release valve does not replace the safety valve.



/ Technical features

Opening temperature:	100 °C (±5° C)
Max temperature:	120 °C
Max pressure on the boiler side:	4 bar
Max pressure water inlet:	6 bar
Discharge flow rate at 1 Bar:	1,9 m³/h
Approximate maximum capacity:	100 kW
Max flow:	2000 kg/h

/ Flow scheme



/ Dimensions

