

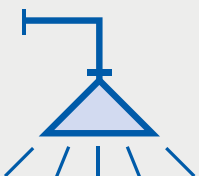
"L" pattern adjustable thermostatic mixing valve

5200 Series

www.caleffi.com



- High performance thermostatic mixing valve with check valves and strainers at the inlets.
- Special anti-scald function which immediately shuts off the hot water flow in the event of cold water supply failure at the inlet.
- Able to control the temperature of the mixed water supplied to the user accurately in case of variations in the inlet supply pressure or temperature, or in the flow rate.
- Designed for application at the point of distribution.
- The temperature setting can then be locked at the desired value by means of the tamper-proof locking nut.
- The "L" pattern configuration facilitates installation of the mixing valve.



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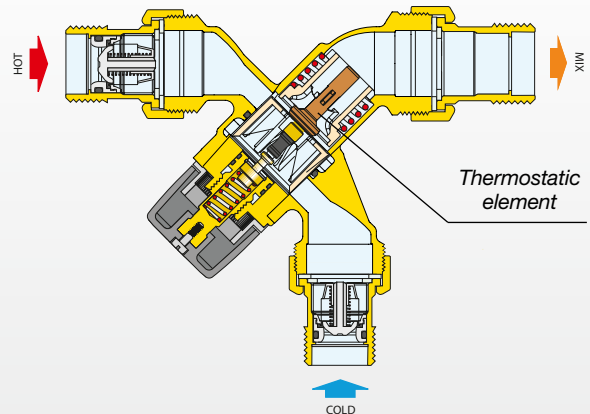
TECHNICAL SPECIFICATIONS

Body	lega "LOW LEAD" antidezincificazione
Adjustment temperature range	45–65 °C
Accuracy	± 2°C
Max. working pressure	10 bar
Max. inlet temperature	90 °C
Max. inlet pressure ratio (H/C or C/H)	2:1
Minimum flow rate to ensure optimal performance	4 l/min (DN 15 and DN 20) 6 l/min (DN 25)
Min. temperature difference between inlet hot water and outlet mixed water to ensure anti-scald performance	15 °C



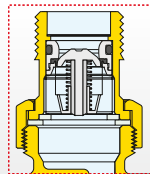
OPERATING PRINCIPLE

A thermostatic element is fully immersed in the mixed water flow. It contracts or expands, moving an obturator which controls the passage of hot or cold water at the inlet. If the inlet temperature or pressure changes, the internal element automatically reacts to restore the set temperature at the outlet.



CONSTRUCTION DETAILS

In systems with thermostatic mixing valves, check valves must be installed to prevent undesired backflow. 5200 series mixing valves are supplied complete with check valves on the hot and cold water inlets.



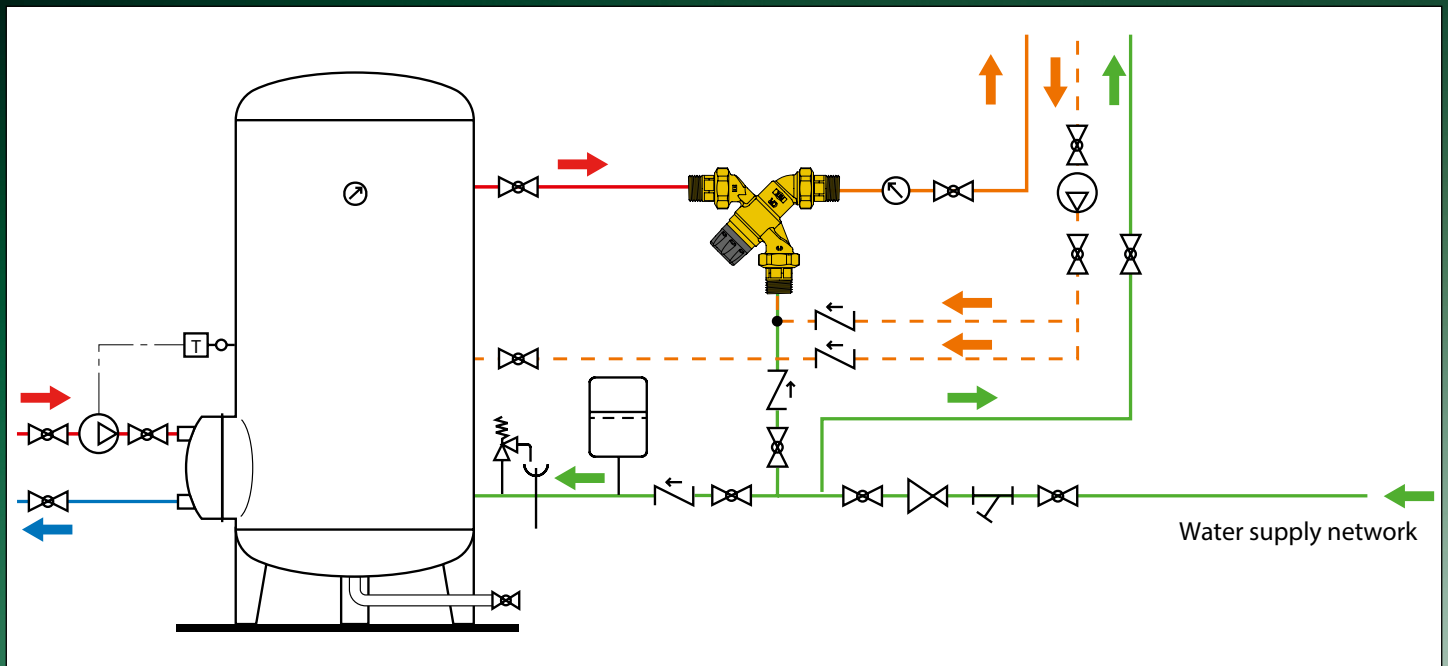
TEMPERATURE ADJUSTMENT

The temperature is set at the desired value using the control knob with the graduated scale on the valve.

Pos.	Min	1	2	3	4	5	6	7	Max
DN 15-DN 20 T(°C)	35	40	45	48	52	56	60	63	65
DN 25 T(°C)	35	38	41	45	50	53	56	60	65

with: $T_{hot} = 70\text{ °C}$ - $T_{cold} = 15\text{ °C}$
 $P_{hot} = 3\text{ bar}$ $P_{cold} = 3\text{ bar}$

APPLICATION DIAGRAM



REFERENCE DOCUMENTATION

5200 Series - Tech. brochure 01266

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