



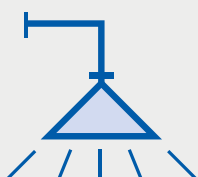
Multifunction thermostatic regulator

116 series

www.caleffi.com



- Specifically designed for the recirculation circuit of domestic hot water distribution systems.
- Complete with pocket for temperature gauge or temperature probe for remote control of the effective circuit temperature.
- Installed on each branch of the recirculation circuit, this device automatically maintains the set temperature by modulating the medium flow rate at the inlet.
- Versions available complete with automatic or controlled thermal disinfection function and optional insulation.
- In compliance with the latest system design regulations, this regulator balances the recirculation network to prevent unbalanced temperature distribution.
- The automatic thermal disinfection function is activated by a second specific thermostatic cartridge activates at 70 °C. Conversely, controlled thermal disinfection is activated by a thermo-electric actuator.



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PRODUCT RANGE



CODE	DN	CONNECTIONS
116240	15	Rp 1/2"
116250	20	Rp 3/4"
116260	25	Rp 1"
116270	32	Rp 1 1/4"

Complete with automatic thermostatic thermal disinfection function



CODE	DN	CONNECTIONS
116140	15	Rp 1/2"
116150	20	Rp 3/4"
116160	25	Rp 1"
116170	32	Rp 1 1/4"

Fitted for automatic or controlled thermal disinfection function



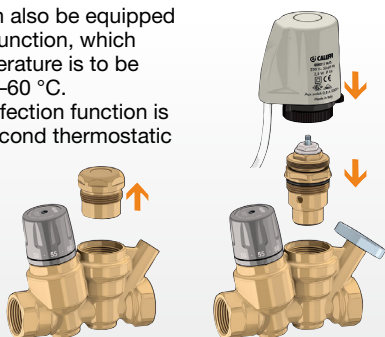
CODE	
116000	cartridge for controlled disinfection function controlled by an actuator. For use with 116 series combined with 656. series actuator.

TECHNICAL SPECIFICATIONS

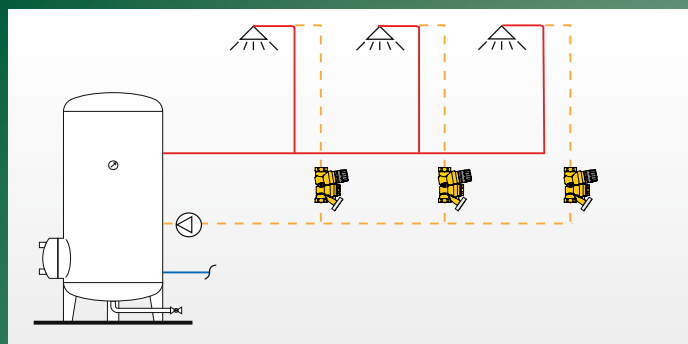
Body	"LOW LEAD" dezincification resistant alloy
Max. working pressure	16 bar
Temperature adjustment range	35–60 °C (DN 15 - DN 20) 35–65 °C (DN 25 - DN 32)
Disinfection temperature	70 °C

DISINFECTION FUNCTION

If required, the regulator can also be equipped with a thermal disinfection function, which is useful if the system temperature is to be increased to values over 55–60 °C. The automatic thermal disinfection function is activated by a dedicated second thermostatic cartridge that trips at 70 °C. Conversely, controlled thermal disinfection is activated by a thermo-electric actuator.

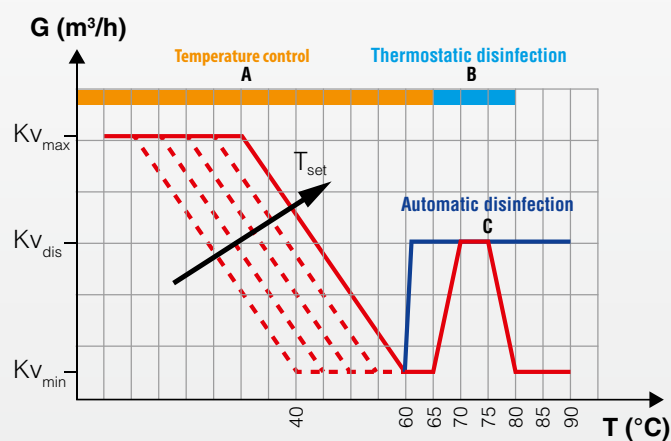
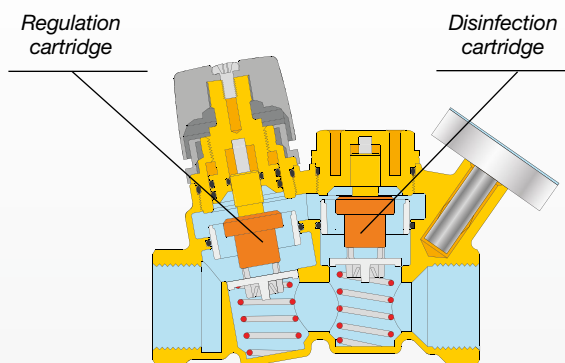


APPLICATION DIAGRAM



OPERATING PRINCIPLE

This device modulates the medium flow rate in accordance with the water inlet temperature by means of the action of a dedicated internal thermostatic cartridge. When the water temperature approaches the set value, the obturator progressively reduces the passage. The medium flow rate supplied by the circulator pump is thus distributed to the other network branches, resulting in effective automatic thermal balancing.



- A Thermostatic regulator
- B Thermostatic regulator with automatic thermostatic disinfection function
- C Thermostatic regulator with disinfection function controlled by an actuator

REFERENCE DOCUMENTATION:

116 series

- Technical brochure 01325

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We reserve the right to make changes and improvements to our products and the related technical data in this publication, at any time and without prior notice. The website www.caleffi.com always has the most up-to-date version of the document, which should be used for technical verifications.

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