

ELECTRONIC MIXERS FOR DHW WITH ANTILEGIONNAIRE FUNCTION

MAS 6.. - 7.. / AL

APPLICATION

Compact units for control of temperature at fixed point in DHW distribution circuits, provided with recycle pump.

The Antilegionnaire function comes into operation once a week (adjustable day and time).

Increases the temperature of the distribution circuit (valve completely open) for a period of time proportional to the temperature itself: high temperature (> 65 °C) = short period (30 min.); low temperature (< 55 °C) = long period (7 hours).

Comprises : three-port ball valve, a reversible electric actuator with electronic controller and a temperature detector with an NTC 10 k Ω sensing element incorporated in the valve.



Features

- Power supply: 230 V~; Protection: IP 55; Consumption: MAS 6.. = 6 VA; MAS 7.. = 9 VA.
- Working pressure and maximum differential: 6 bar.
- Proportional band: $\pm 5 \dots \pm 20$ °C.

Code	DN inches	mm.	Flow rate l/min. (1)	Kvs(2) m ³ /h	Setting range	Data Sheet
MAS 615/AL	1/2"	15	40	2,5	30 ... 70 °C	C 512
MAS 620/AL	3/4"	20	70	5,0	30 ... 70 °C	C 512
MAS 625/AL	1"	25	130	9,0	30 ... 70 °C	C 512
MAS 632/AL	1"1/4	32	180	13,5	30 ... 70 °C	C 512
MAS 740/AL	1"1/2	40	270	19,2	30 ... 70 °C	C 512
MAS 750/AL	2"	50	390	28,6	30 ... 70 °C	C 512

(1) – Flow rate based on 4 bar average pressure and pressure drop of about 20%.

(2) – Flow rate coefficient: flow in m³ with valve open and pressure drop of 100 kPa.