GIACOMINI
WATER E-MOTION

ICIM
SISTEMA DI GESTIONE CERTIFICATO
ISO 9001 / ISO 14001 / OHSAS 18001

R158A

Description

The **R158A** is designed for domestic hot water installations with recirculation or heating systems.

The valve automatically controls the temperature of the water that circulates through the valve and therefore the thermal balance is ensured throughout the system.

Temperature setting is easy: simply remove the black top cover and set the temperature by means of a 8 mm wrench.

If for example a water temperature of 55 °C is needed, the R158A is set to the temperature of 55 °C. If the temperature of the circulating water is below 55 °C, the valve opens and more water will pass through. If the temperature is higher than 55 °C, the valve closes.

The black top cap must be screwed tightly on the R158A to activate the thermostatic control (and to avoid tampering).

The by-pass function can be carried out manually by removing the black top cap. The by-pass will force the R158A to fully open and set the temperature control out of action. This function is used **to prevent bacterial problems such as Legionella** and therefore it is recommended to flush the system regularly, flushing one branch at a time for a recommended period of time.

Versions and product codes

Product code	Hydraulic connections	Actuator connection
R158AY004	3/4"F ISO228	M30 x 1,5 mm

Technical data

- Temperature range: 35÷65 °C
- Max. media temperature: 85 °C
- Max. ambient temperature: 60 °C
- Max. working pressure: 10 bar
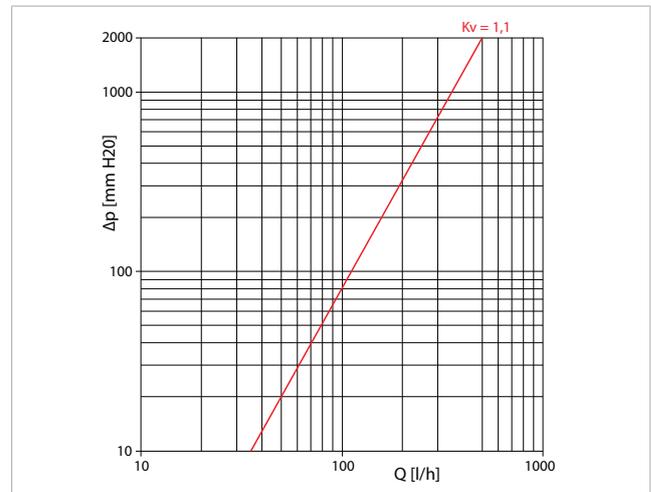- Max. differential pressure: 1 bar ⚠
- Material:
  Insert
  - Cartridge: PPS, Polyphenylene sulfide
  - Element: Wax
  - Body: brass CW617N
  - Spring: Stainless steel AISI 302
  - Internal components: PPS, Polyphenylene sulfide
  - O-Rings: EPDM
  Valve
  - Body: brass CW617N

Loss of pressure

Operation

Standard operation

The R158A is factory pre-set to 60 °C.

To change the temperature, remove the black cover and set the scale using a 8 mm wrench to the desired temperature between 35 °C and 65 °C.

> ⚠ Warning.
> Please don't wind the R158A below 35 °C or above 65 °C in order to keep the functionality of the R158A.

Re-install the top cover tightly to allow the thermostatic control to be working. Please note that when changing the temperature setting, the according adjustment may take some time to get the system in complete balance.

Manual By-pass Operation

When requiring manual by-pass operation simply remove the black top cover; in this way the by-pass is fully open.

> ⚠ Warning.
> Be careful not to lose the black cover to avoid being unable to return to standard operation.

Installation

For the hydraulic installation please respect the arrow on the brass body.
For all threaded connections please clear threads on both valve and piping of debris. Sealant such as pipe dope or teflon tape is recommended.
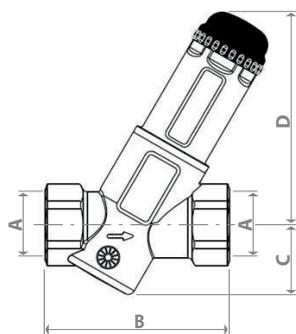
⚠️	**Warning.** When using hemp as pipe sealant, ensure no strands are left in the valve or piping.

Insulation

For the valve to work efficiently, a certain heat loss must be present, and since the pipes are normally insulated, insulation of the valve is not necessary. Without insulation of the valve, the valve will operate under optimal working conditions and temperature regulation will be more accurate.

If insulation is required the valve will still function, but regulation will be less precise.

Dimensions

Product code	A	B [mm]	C [mm]	D [mm]
R158AY004	3/4"	80	31	97

Product specifications

R158A

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