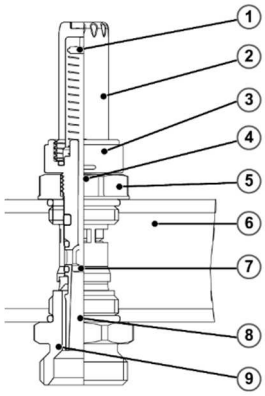
FLOW REGULATOR AND METER

Use

The flow regulator allows the exact and convenient adjustment of the amount of water required in the heating and cooling circuits. Properly balanced systems from the hydraulics point of view guarantee optimal energy distribution and therefore economical and comfortable operation.
With micrometric flowmeters, the user can immediately adjust the correct amount of water on the construction site without carrying out balancing calculations.

Operation

Flow measurement is based on the displacement of a flow-breaker located in a calibrated section of water passage. The position is shown in the indicator by means of a longitudinal rod that connects the flow-breaker element with the indicator disc.
The pad printed scale on the transparent viewer allows the simple direct reading of the flow rate in the circuit in liters per minute.
The adjustment wheel allows to change the opening of the passage section and therefore to adjust the desired amount of flow.
By closing the adjusting wheel completely, the flow is blocked.



1) Indicator disc
2) Sight glass with scale
3) Adjustment wheel
4) Longitudinal rod
5) Flow meter body
6) Supply manifold
7) Baffle disc
8) Calibrated flow section
9) Outlet fitting

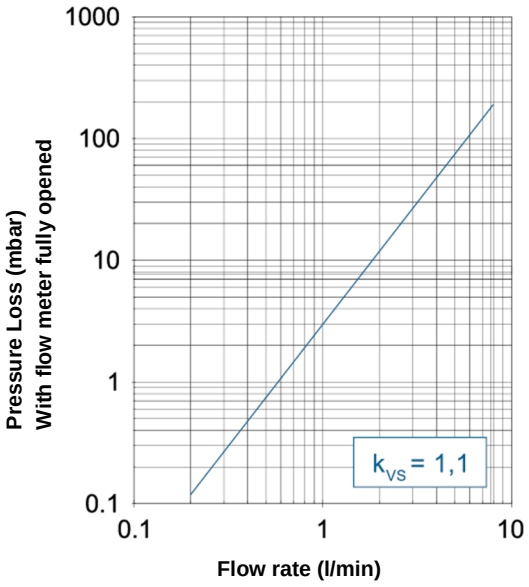
Features and Benefits

- Quick and accurate adjustment without diagrams, tables or measuring devices
- The flow is displayed directly in l/min
- The adjustment can be locked and sealed against manipulation
- Interceptible flow with total closure (minimum residual leakages)
- Removable transparent sight glass for maintenance
- Operates both in vertical position (facing up or down), and horizontally

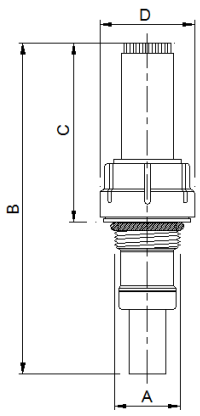
Technical Data

- Operating fluid temperature range -10 °C ÷ +70 °C
- Maximum operating pressure 6 bar
- Maximum test pressure at room temperature 10 bar
- Maximum assembly torque 20 Nm
- For mounting on Delivery manifolds with outgoing flow
- Measuring range 0,5 ÷ 5 l/min
- Measuring accuracy ± 10% with clean system water
- Flow coefficient KV = 1,1
- Brass Alloy body with parts made of high-strength technopolymer
- Internal spring made of stainless steel
- EPDM gaskets
- Connection thread G1/2"
- Maximum recommended percentage of antifreeze additives 30%

Pressure Loss graph



Dimensions



Art.	A	B	Cmin	Cmax	D
R-06TACOAOR	1/2"	100	53	58	30