

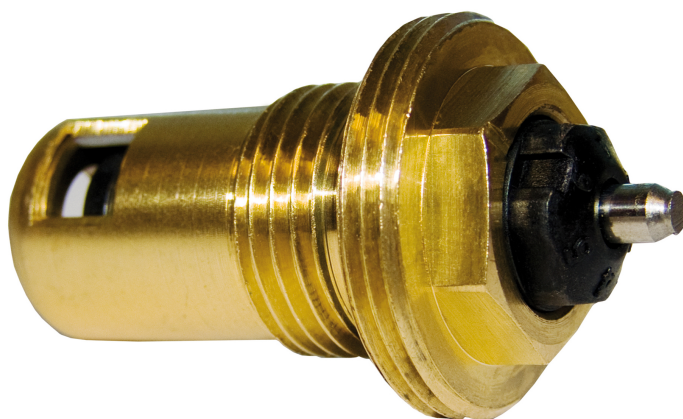
Product Data Sheet

4/19/2025

Thermostatic Radiator Valves & Heads

Valve insert M30 CV

Romania - Purmo



- Precise Flow Control
- Real-time Adjustments
- Wide Operational Range
- Easy Installation
- Maintenance-friendly

Description

The Valve Insert M30 OV is engineered to deliver precise control over volume flow in hydronic heating systems. With its advanced diaphragm control mechanism, it limits the maximum volume flow effectively, even under partial load conditions. The valve insert operates independently of differential pressure, making it ideal for dynamic manifolds. It features an easy-to-read flow setting and can be adjusted in real-time without system shutdown. Operational within a pressure range of 10-150 kPa, the valve ensures consistent performance at temperatures between +2°C and +70°C.

Area of Application

The Valve Insert M30 OV is suitable for use in dynamic manifolds and automatic volume flow limitations in hydronic heating systems. Ideal for systems requiring precise diaphragm control, it operates within a differential pressure range of 10 to 150 kPa and regulates flow independently with settings of 0.5-5 l/min at a maximum operating pressure of 6 bar and temperatures between +2°C and +70°C.

Selection Criteria

For product selection, consider system requirements such as operating pressure, temperature, and flow rates. For a quick selection, use our brochure or design service.

Basic User Instructions

Install the Valve Insert M30 OV directly into the dynamic manifold. Use the preset key to set the desired flow rate in l/min. Adjustments can be made during system operation. Ensure the flow indicators on the valve are in the full open position during operation. Follow the correct flow direction indicated on the valve housing. Do not use the flow indicators for adjustments. For maintenance, cleaning or replacing the insert may be necessary, which can be done without shutting off the system.

Prescription text specifiers

The Valve Insert M30 OV is designed for integration into dynamic manifolds for hydronic heating systems. It offers automatic volume flow limitation through advanced diaphragm control, handling flow rates from 0.5 to 5 l/min. The valve performs efficiently within an operational pressure range of 10-150 kPa and temperatures between +2°C to +70°C. It features a connection thread of M30 x 1.5, a piston stroke of 1.8 mm, and a closing dimension of 11.8 mm. The flow rate can be adjusted using a preset key, ensuring accurate and real-time modifications without the need for system shutdown. This valve is ideal for applications requiring reliable and maintenance-friendly flow control in varied differential pressure conditions.

Warranty

Specification

Feature	Unit	Value
Etim Class		EC010002 - Radiator insert
Weight	Kilogram (kg)	0.055
Operation		Thermostatic
Material		Brass
With protection hood		No
Medium temperature	Degrees celsius (°C)	90
Number of preset values/levels		6
Suitable for integrated valve fittings		No
Thermostatic adjustment element connection		External thread
Frost protected		No
Insert length	Millimetre (mm)	49
Max. operating pressure	Bar (bar)	10, 11, 12, 13, 14, 15
O-ring seal		Externally
Size of radiator connection		1/2 inch
Kv value		0.05, 1.5
Size of thermostatic adjustment element connection		M30 x 1.5
Kvs value		1.5
Presetting		Without valve guard
With blind plugs		No
Continuously variable		Yes
Item weight	Kilogram (kg)	0.055

Resources

Document Description	Document Type	Link
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Items

Global Item Code	Item Description
AZ02VE0101808000	valve cartdrige short old Oven
AZ02VEOV013WHI00	Valve cartridge 013 white
AZ02VEOV027BLA00	Valve cartridge 027 black
AZ02VEOV042GRE00	Valve cartridge 042 green
AZ02VEOV056BLU00	Valve cartridge 056 blue
AZ02VEOV070RED00	Purmo Valve insert M30 to Purmo CV radiators, red.