

# Product Data Sheet

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Manifolds, Cabinets & Mixing Groups

## Industrial Manifold

Romania - Purmo



- High durability
- Easy to install
- Precise control
- Versatility
- Compatibility

## Description

The Emmeti Industrial Manifold is designed for the centralized distribution of heating and cooling water in radiant floor systems. Made of drawn and galvanized steel, it offers resistance and durability. It includes blind plugs, load/unload valves, and thermometers for precise control. Ideal for industrial applications, it supports temperatures up to 110 °C and pressures up to 10 bar.

## Area of Application

The Industrial Manifold is ideal for radiant floor systems in industrial applications. It supports temperatures up to 110 °C and pressures up to 10 bar. Head threads G 2&#34; and branches G 3/4&#34; with an 80 mm center distance, prepared for ball valves.

## Selection Criteria

For product selection, consult our design service. For quick selection, use our brochure.

## Basic User Instructions

The Industrial Manifold must be installed following the technical specifications. Ensure that the threads are compatible with existing piping. Install blind plugs and load/unload valves as indicated. Check the tightness of the connections and the correct installation of the thermometers. Not assembled, requires on-site assembly.

## Prescription text specifiers

The Emmeti Industrial Manifold is an essential component for radiant floor systems in industrial environments. Made from Fe 360B drawn steel, it is galvanized to resist corrosion. It supports temperatures up to 110 °C and pressures up to 10 bar. The G &#34; head threads and G 3/4&#34; outlets with an 80 mm center distance are designed for interception using ball valves. Supplied with blind plugs, load/unload valves, and thermometers, it ensures precise control and easy installation. Ideal for centralized distribution of heating and cooling water.

## Warranty

Purmo radiators are warranted for a period of 10 years\* from date of purchase against all manufacturing defects when they are used in normal conditions and for a heating system with hot water. The warranty does not apply to defects caused by installation or handling errors, misuse or factors external to the radiators, such as water quality or oxygen-permeable pipes.

Underfloor heating products and piping systems elements are warranted for a period of 10 years\*\*.  
\* 6 years for galvanized radiators and 2 years for all electronic and electric components and spare parts sold separately (side covers, top grilles, plastic clips, plugs, air vents, fixing parts)

\*\* 30 years for PexPenta pipes

# Specification

Feature	Unit	Value
Etim Class		EC010292 - Manifold for hydronic circuits
Weight	Kilogram (kg)	1, 1.3, 10, 12.3, 3.2, 3.9, 4.6, 5.3, 5.6, 6, 6.8, 7.5, 7.8, 8.2, 8.9
Width	Millimetre (mm)	180, 230, 258, 280, 330, 338, 380, 418, 430, 480, 498, 530, 580, 630, 680
Height	Millimetre (mm)	365, 405, 500
Depth	Millimetre (mm)	350, 450, 550, 600, 90
Expandable		Yes
Connection type primary side		2-pipe
With de-aeration		Yes
With temperature limit		No
With thermometer		No, Yes
Material		Brass, Stainless steel
With circulation pump		No
With pressure gauge		No
With fill- and drain valve		Yes
With mixing valve		No
With controller		No
Primary pressure difference	Kilo Pascal (kPa)	100, 5
Type of pump (system pump)		DC
Nominal diameter primary connection		1 inch (25)
With thermal actuator		No
With flow-through indicator		No, Yes
Position primary connection		Left, Left/right
Multi-zone manifold		Yes
Number of groups secondary		10, 11, 12, 2, 3, 4, 5, 6, 7, 8, 9
Outer pipe diameter secondary	Millimetre (mm)	10, 25
With valves on primary connection		No, Yes
Min. pressure difference secondary	Kilo Pascal (kPa)	2, 5
flow/return		
Hydraulic balance control		None, Static
Temperature measurement supply		Analogue, None
Temperature measurement return		Analogue, None
Volume flow measurement		None
Stroke length actuator	Millimetre (mm)	2
With ceramic valve		No
Article compression class		PN 10
Closable groups		Yes

Feature	Unit	Value
Secondary connection		Euroconus, External thread cylindrical BSPP-G (ISO 228-1)
Nominal diameter secondary connection		3/4 inch (20)
With wall-mounting bracket		No, Yes
Primary connection		External thread cylindrical BSPP-G (ISO 228-1), Internal thread cylindrical BSPP-G (ISO 228-1)
Outer pipe diameter primary connection	Millimetre (mm)	17, 25
With filling/drain tap		No, Yes
Flow-through capacity	Litre per hour (l/h)	0.4, 8
Medium temperature (continuous)	Degrees celsius (°C)	100, 5, 90
With casing		No
Suitable for cooling		Yes
With non-return valve		No
Max. number of expansion groups		2

# Resources

Document Description	Document Type	Link
<h2>Items</h2>		
Global Item Code	Item Description	
FBWMRBI0350A0000	PURMO industrial manifold 2&#34; modular 3 circuits	
FBWMRBI0450A0000	PURMO industrial manifold 2&#34; modular 4 circuits	
FBWMRBI0550A0000	PURMO industrial manifold 2&#34; modular 5 circuits	
FBWMRBI0650A0000	PURMO industrial manifold 2&#34; modular 6 circuits	
FBWMRBO0250422P0	Manifold 2 circles	
FBWMRBO0350422P0	Manifold 3 circles	
FBWMRBO0450422P0	Manifold 4 circles	
FBWMRBO0550422P0	Manifold 5 circles	
FBWMRBO0650422P0	Manifold 6 circles	
FBWMRBO0750422P0	Manifold 7 circles	
FBWMRBO0850422P0	Manifold 8 circles	
FBWMRBO0950422P0	Manifold 9 circles	
FBWMRBO1050422P0	Manifold 10 circles	
FBWMRBO1150422P0	Manifold 11 circles	
FBWMRBO1250422P0	Manifold 12 circles	