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Uponor 1085950

Uponor Vario M Flow Meter Manifold

MODEL: 1085950

1. Introduction

This instruction manual provides essential information for the safe and efficient installation, operation, and maintenance of the Uponor Vario M Flow Meter Manifold, Model 1085950. Please read this manual thoroughly before installation and keep it for future reference. This product is designed for use in heating systems, particularly underfloor heating applications.

2. Safety Information

- Installation and maintenance should only be performed by qualified personnel in accordance with local regulations and standards.
- Ensure the system is depressurized and cooled before performing any work on the manifold.
- Wear appropriate personal protective equipment (PPE) during installation and maintenance.
- Do not exceed the specified maximum operating pressure (6 bar) or temperature (60 °C).
- Check all connections for leaks after installation and commissioning.

3. Product Overview

The Uponor Vario M Flow Meter Manifold (Model 1085950) is an 8-output collector designed for precise control and distribution of heating water in underfloor heating systems. It features integrated flow meters for each circuit, allowing for individual flow adjustment and monitoring.



Image showing the Uponor Vario M Flow Meter Manifold with 8 outlets, featuring flow meters on the top bar and connection points below.

Components:

- Manifold body (reinforced polyamide)
- 8 Flow meters (integrated)
- Mounting brackets
- Thermometers
- Flushers
- Drain plugs
- G3/4" Eurocone threaded connections for heating circuits
- G1 main connection (right or left) with sealing gasket

4. Setup and Installation

1. **Mounting:** Securely attach the manifold to a suitable wall or mounting surface using the provided brackets. Ensure it is level and easily accessible for connections and adjustments.
2. **Main Connection:** Connect the main supply and return lines to the G1 connections on the manifold. Ensure a tight seal using the provided gasket. The manifold supports both right and left main

connections.

3. **Circuit Connections:** Connect the individual heating circuits to the 8 G3/4" Eurocone threaded outlets. Use appropriate fittings and ensure all connections are leak-free. The circuit separation is 50 mm.
4. **Flushing and Filling:** Before commissioning, flush the system thoroughly to remove air and debris. Fill the system with water and vent any remaining air.
5. **Pressure Test:** Perform a pressure test according to local regulations to ensure system integrity.

5. Operating Instructions

1. **Flow Adjustment:** Each circuit is equipped with an integrated flow meter. To adjust the flow rate for a specific circuit, rotate the adjustment cap on the flow meter until the desired flow (indicated in liters per minute) is achieved.
2. **Temperature Monitoring:** The integrated thermometers provide a visual indication of the supply and return temperatures.
3. **System Balancing:** Adjust the flow meters on each circuit to balance the heating system, ensuring even heat distribution across all zones.

6. Maintenance

- **Regular Inspection:** Periodically inspect the manifold and all connections for any signs of leaks, corrosion, or damage.
- **Cleaning:** Clean the exterior of the manifold with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Flow Meter Check:** Ensure flow meters are operating freely and accurately. If a flow meter becomes stuck or provides inconsistent readings, it may require cleaning or replacement by a qualified technician.
- **Flushing:** The system should be flushed periodically as part of general heating system maintenance to remove sludge and maintain efficiency. Use the integrated flushers and drain plugs for this purpose.

7. Troubleshooting

Problem	Possible Cause	Solution
No flow or low flow in a circuit	Air in the circuit, closed valve, clogged flow meter, pump issue	Bleed air from the circuit, check valve position, inspect/clean flow meter, check pump operation.
Leakage at connections	Loose connection, damaged gasket/seal, incorrect fitting	Tighten connections, replace damaged gaskets/seals, ensure correct fittings are used.
Inconsistent heating across zones	System imbalance, air in circuits	Adjust flow meters to balance the system, bleed air from all circuits.

8. Specifications

Feature	Detail
Model Number	1085950

Feature	Detail
Manufacturer	Uponor
Number of Outputs	8
Circuit Connections	G3/4" Eurocone male thread
Main Connection	G1 (right or left, with sealing gasket)
Circuit Separation	50 mm
Material	Reinforced Polyamide (UNE-EN-1264)
Nominal Pressure	6 bar
Max Operating Temperature	60 °C
Dimensions (L x W x H)	51 cm x 5 cm x 25 cm
Weight	3 kg
Color	Black

9. Warranty and Support

Uponor products are manufactured to high-quality standards. For warranty information, please refer to the specific warranty terms provided with your purchase or visit the official Uponor website. For technical support, spare parts, or service inquiries, please contact your local Uponor distributor or customer service representative. Always provide the model number (1085950) when seeking support.