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EMKE HTRV01

EMKE Multiblock Radiator Valve with Thermostat

Model: HTRV01 - Instruction Manual

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your EMKE Multiblock Radiator Valve with Thermostat, Model HTRV01. Please read this manual thoroughly before installation and use to ensure proper function and safety. Keep this manual for future reference.

2. Safety Information

- Installation should be performed by a qualified professional to ensure compliance with local regulations and safety standards.
- Always turn off the heating system and drain the radiator before attempting any installation or maintenance.
- Wear appropriate personal protective equipment (PPE) during installation.
- Ensure all connections are properly sealed to prevent leaks.
- Do not expose the valve or thermostat to extreme temperatures outside its operating range.

3. Package Contents

Verify that all components are present in the package:

- 1 x EMKE Multiblock Radiator Valve
- 1 x Thermostatic Head
- Sealing rings and connection nuts

4. Product Overview and Components

The EMKE Multiblock Radiator Valve is designed for efficient temperature control in heating systems. It features a durable brass construction and a chrome finish, suitable for various radiator types.



Figure 4.1: EMKE Multiblock Radiator Valve with Thermostat.

The valve consists of a main body with connections for the radiator and pipes, and a removable thermostatic head for temperature adjustment.



Figure 4.2: Exploded view showing the valve body, connection nuts, sealing rings, and thermostatic head.



Figure 4.3: The thermostatic head, which allows for precise temperature control.

5. Specifications

Feature	Specification
Model Number	HTRV01

Feature	Specification
Material	Brass
Color	Chrome
Product Dimensions (L x W x H)	18.5 x 7.5 x 5.5 cm
Weight	970 grams
Maximum Pressure	10 Bars
Inlet Connection Size	φ16 mm
Inlet Connection Type	G 1/2"
Outlet Connection Size	φ16 mm
Outlet Connection Type	G 1/2"
Number of Ports	2
Certification	CE

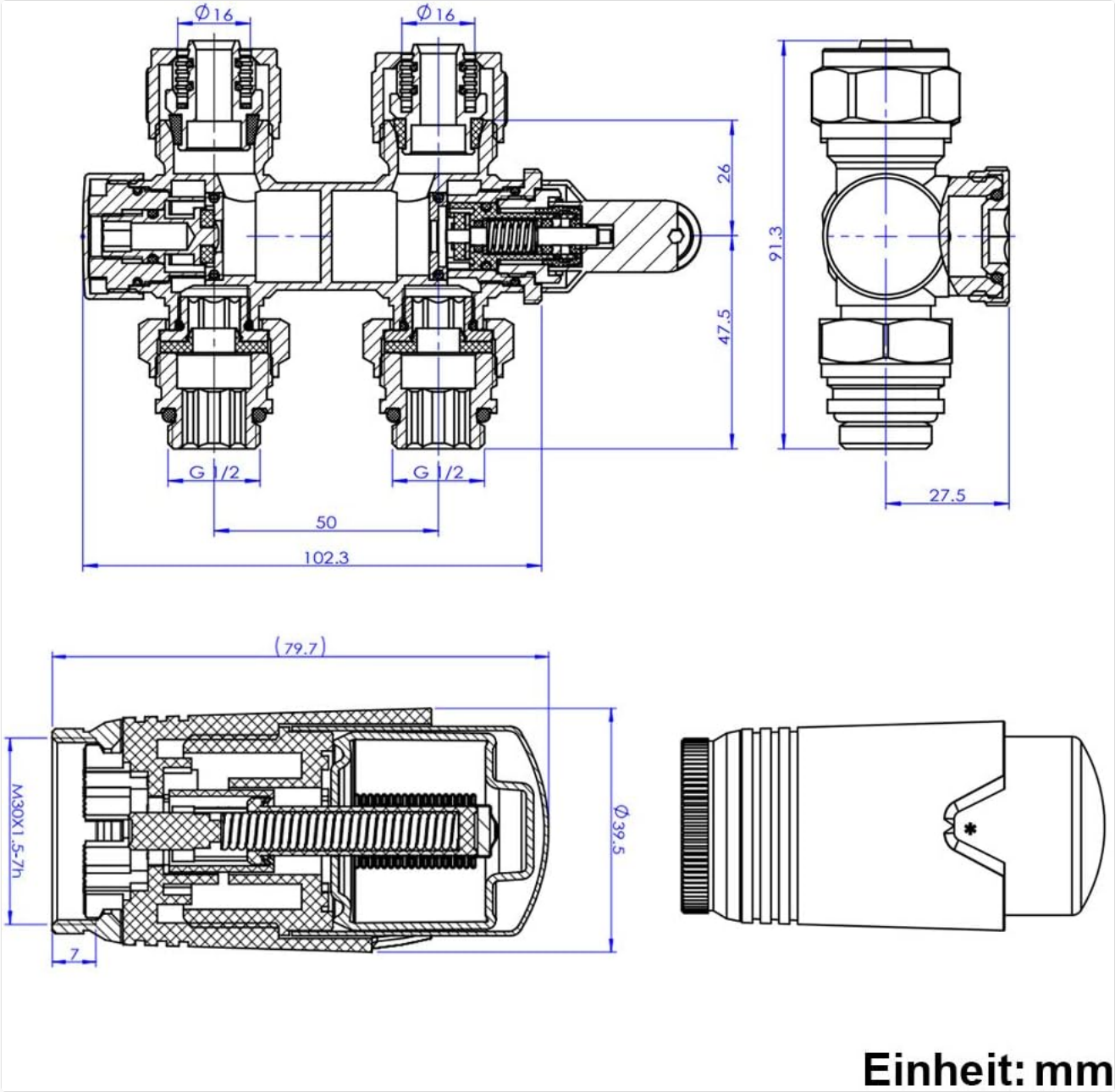


Figure 5.1: Technical drawing with detailed dimensions (in mm) of the valve and thermostatic head.

6. Installation

The EMKE Multiblock Radiator Valve is designed for universal use with radiators featuring a 50mm central connection and G 1/2" connection thread. It is suitable for both wall and floor pipe connections.

6.1 Pre-installation Checks

1. Ensure the heating system is turned off and depressurized.
2. Verify that the pipe dimensions match the valve's φ16 connection. If your water pipe size is φ15, an adapter must be used (not included).
3. Clean the connection points on the radiator and pipes.

6.2 Installation Steps

1. **Connect to Radiator:** Attach the valve block to the radiator's central connection. Ensure the sealing rings are

correctly positioned and tighten the connection nuts securely.

2. **Connect to Pipes:** Connect the heating pipes to the valve's inlet and outlet ports. The integrated design allows for both angle and passage configurations, accommodating pipes coming from the wall or the floor.
3. **Thermostatic Head Placement:** The thermostatic head can be mounted on either side of the valve block (right or left) depending on your installation requirements and space availability.
4. **Secure Connections:** Use PTFE tape or appropriate sealant on threaded connections to ensure a watertight seal. Tighten all connections firmly but do not overtighten.
5. **System Refill and Test:** Once installed, slowly refill the heating system and check for any leaks. Bleed the radiator if necessary.

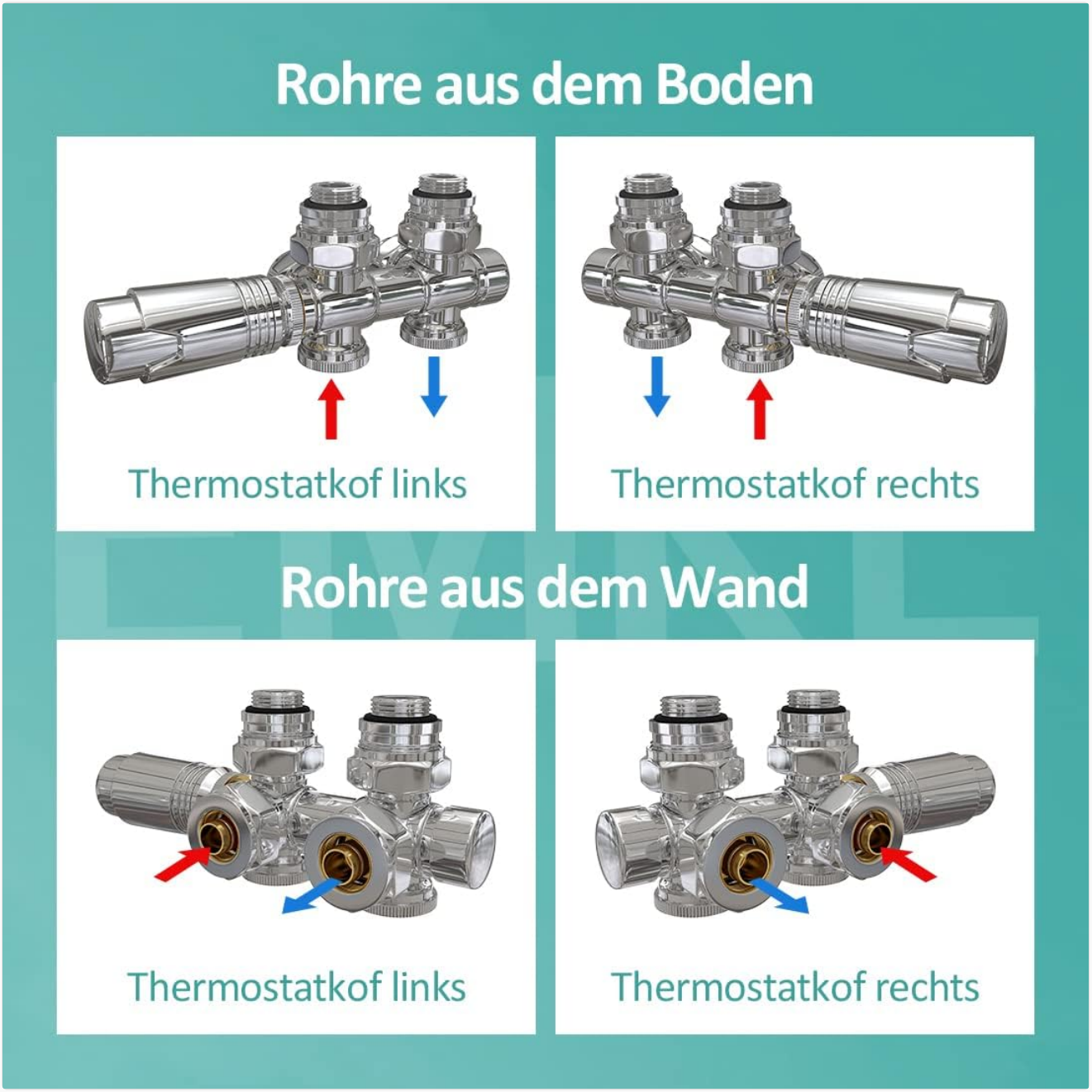


Figure 6.1: Installation options for pipes from the floor and wall, illustrating left and right thermostatic head orientations.



Figure 6.2: Various installation examples including corner, passage, and bathroom radiator setups.

7. Operation

The thermostatic head allows for precise control of your room temperature. It features 7 precise adjustment settings.

7.1 Setting the Temperature

Rotate the thermostatic head to select your desired temperature setting. The settings correspond to approximate room temperatures as follows:

Setting	Approximate Temperature
* (Frost Protection)	7°C
1	12°C

Setting	Approximate Temperature
2	16°C
3	20°C
4	24°C
5	28°C
MAX	30°C



Figure 7.1: Thermostat settings and their approximate temperature values.

The '*' setting activates frost protection, preventing the room temperature from dropping below 7°C, which helps protect pipes from freezing.

8. Maintenance

The EMKE Multiblock Radiator Valve is designed for durability and requires minimal maintenance.

- **Cleaning:** Wipe the chrome surface with a soft, damp cloth. Avoid abrasive cleaners or harsh chemicals, as these can damage the finish.
- **Regular Checks:** Periodically inspect the valve and connections for any signs of wear, corrosion, or leaks.
- **Thermostat Exercise:** If the heating system is off for extended periods, occasionally rotate the thermostatic head through its full range of settings to prevent internal components from sticking.

9. Troubleshooting

If you encounter issues with your EMKE Multiblock Radiator Valve, refer to the following common problems and solutions:

9.1 Leaks

If a leak occurs, check the following:

- **Loose Connections:** Ensure all valve connections are properly tightened.
- **Missing or Damaged O-rings/Seals:** Verify that all necessary O-rings and seals are in place and undamaged. Replace if worn.
- **Improper Use of PTFE Tape:** Ensure PTFE tape (if used) was applied correctly and sufficiently to threaded connections.

9.2 Radiator Not Heating or Overheating

- **Thermostat Setting:** Check if the thermostatic head is set to the desired temperature.
- **Air in Radiator:** Bleed the radiator to release any trapped air.
- **Valve Pin Stuck:** If the radiator remains cold even with the thermostat set high, the valve pin might be stuck. Carefully remove the thermostatic head and gently press the pin to ensure it moves freely.

If problems persist after attempting these troubleshooting steps, please contact customer support.

10. Warranty and Support

EMKE offers a **2-year warranty** on this product, covering manufacturing defects from the date of purchase. This warranty does not cover damage resulting from improper installation, misuse, or normal wear and tear.
We also provide a **14-day return policy** for a smooth and worry-free purchase experience.
For technical assistance, warranty claims, or any other inquiries, please refer to the contact information provided with your purchase or visit the official EMKE website.

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