EMKE HTRV-DEVC

EMKE Radiator Towel Dryer Connection Fitting Valve with Thermostat

Model: HTRV-DEVC

1. Introduction

Thank you for choosing the EMKE Radiator Towel Dryer Connection Fitting Valve with Thermostat. This manual provides essential information for the safe and efficient installation, operation, and maintenance of your new valve. Please read these instructions carefully before installation and retain them for future reference.

This product is designed to regulate the heat output of radiators and towel dryers, offering precise temperature control for optimal comfort and energy efficiency. Its robust construction and versatile design make it suitable for various heating system configurations.

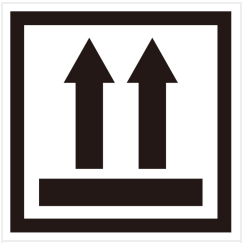
2. Safety Information

Always observe the following safety precautions to prevent injury or damage to the product and property.

General Safety Guidelines:

- Installation should only be performed by a qualified professional in accordance with local building codes and regulations.
- Before any installation or maintenance, ensure the heating system is completely depressurized and cooled down.
- Do not modify the product in any way. Use only original EMKE parts or approved accessories.
- Keep packaging materials out of reach of children.
- Wear appropriate personal protective equipment (PPE) during installation, such as gloves and eye protection.

Handling and Storage Symbols:



This Way Up: Keep package upright during transport and storage.



Lift Properly: Use proper lifting techniques or assistance for heavy items.



Fragile: Handle with care to avoid breakage.



Keep Dry: Protect from moisture and humidity.

3. Product Overview

The EMKE Thermostatic Radiator Valve is a high-quality component designed for precise temperature control in your heating system. It features a durable chrome finish and is constructed from brass for longevity and reliability.



Figure 3.1: EMKE Radiator Towel Dryer Connection Fitting Valve with Thermostat (Chrome)

Key Features:

- **Premium Plating Process:** Chrome finish for durability and aesthetic appeal.
- **Material:** Constructed from high-quality brass.
- **Connection:** Two-pipe arm for all 50 mm center locks, with G1/2 inch connection thread.
- **Thermostat Head:** Easily rotatable with 7 adjustable gears for precise temperature regulation.
- **Design:** Versatile corner and passage design, suitable for pipes coming from the wall or the floor.

Components:

The valve set typically includes the multi-block valve body and the thermostatic head. Refer to the diagram below for a visual representation of the main components.



Figure 3.2: Exploded view showing the main components of the EMKE Thermostatic Valve.

4. Setup and Installation

Proper installation is crucial for the optimal performance and longevity of your EMKE thermostatic valve. It is highly recommended that installation be carried out by a certified heating engineer.

Pre-Installation Checks:

- Ensure the heating system is completely drained and cold before beginning installation.
- Verify that the valve type (corner or passage) matches your pipework configuration.
- Check all components for any signs of damage before installation.

Installation Steps:

1. Identify the flow and return pipes of your radiator/towel dryer.
2. Attach the valve body to the radiator/towel dryer connections, ensuring a secure and leak-free fit. Use appropriate sealing materials if necessary.

3. Connect the system pipes to the valve body. The valve is designed for both corner and passage configurations, accommodating pipes from the wall or floor.
4. Once the valve body is securely installed, attach the thermostatic head by aligning it and tightening the connection.
5. Slowly refill the heating system, bleeding air as necessary, and check for any leaks at all connection points.

Configuration Examples:

The EMKE valve supports various pipe configurations, as illustrated below:

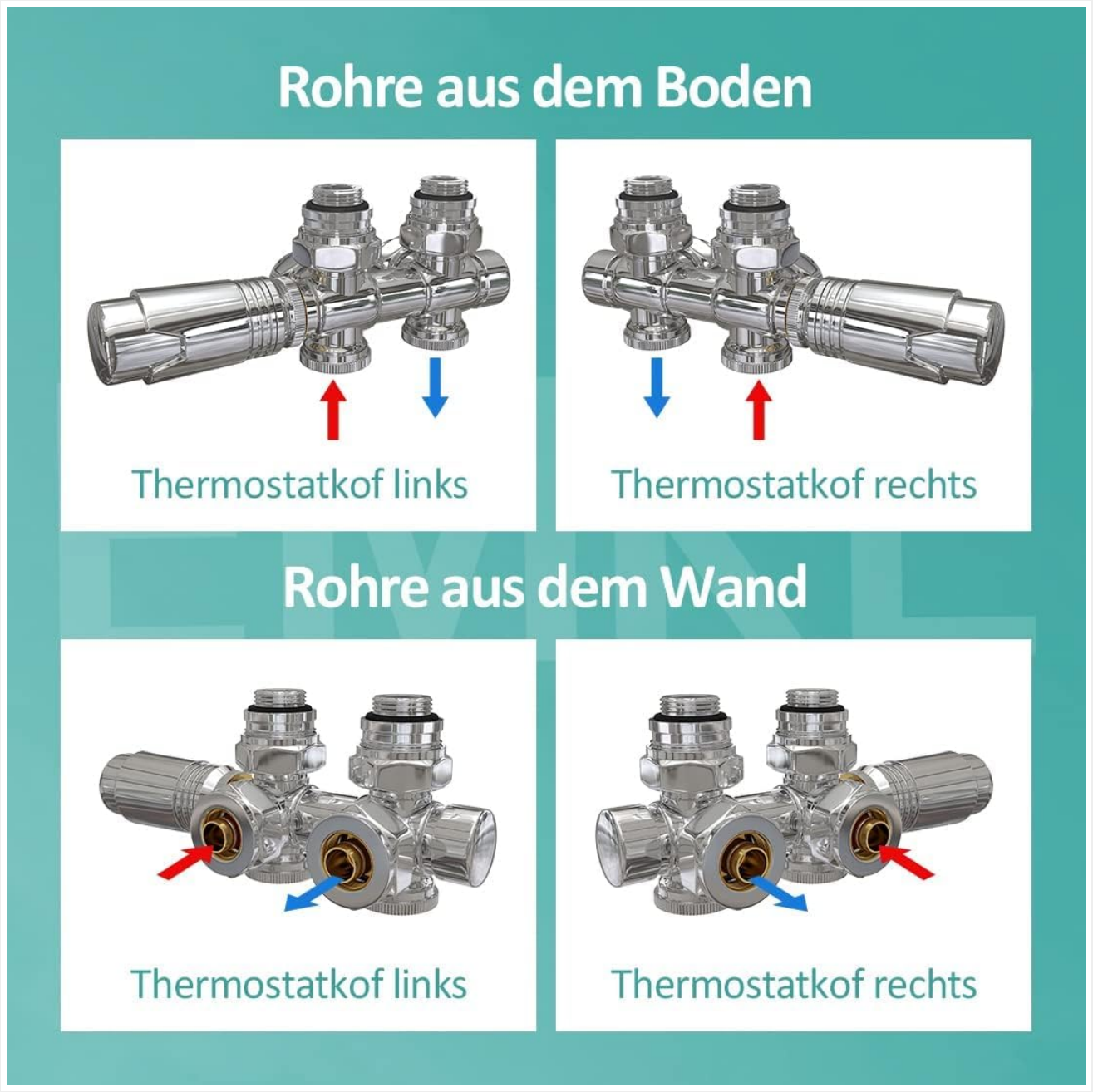


Figure 4.1: Valve configurations for pipes from the floor (top) and pipes from the wall (bottom), showing left and right thermostat head orientations.

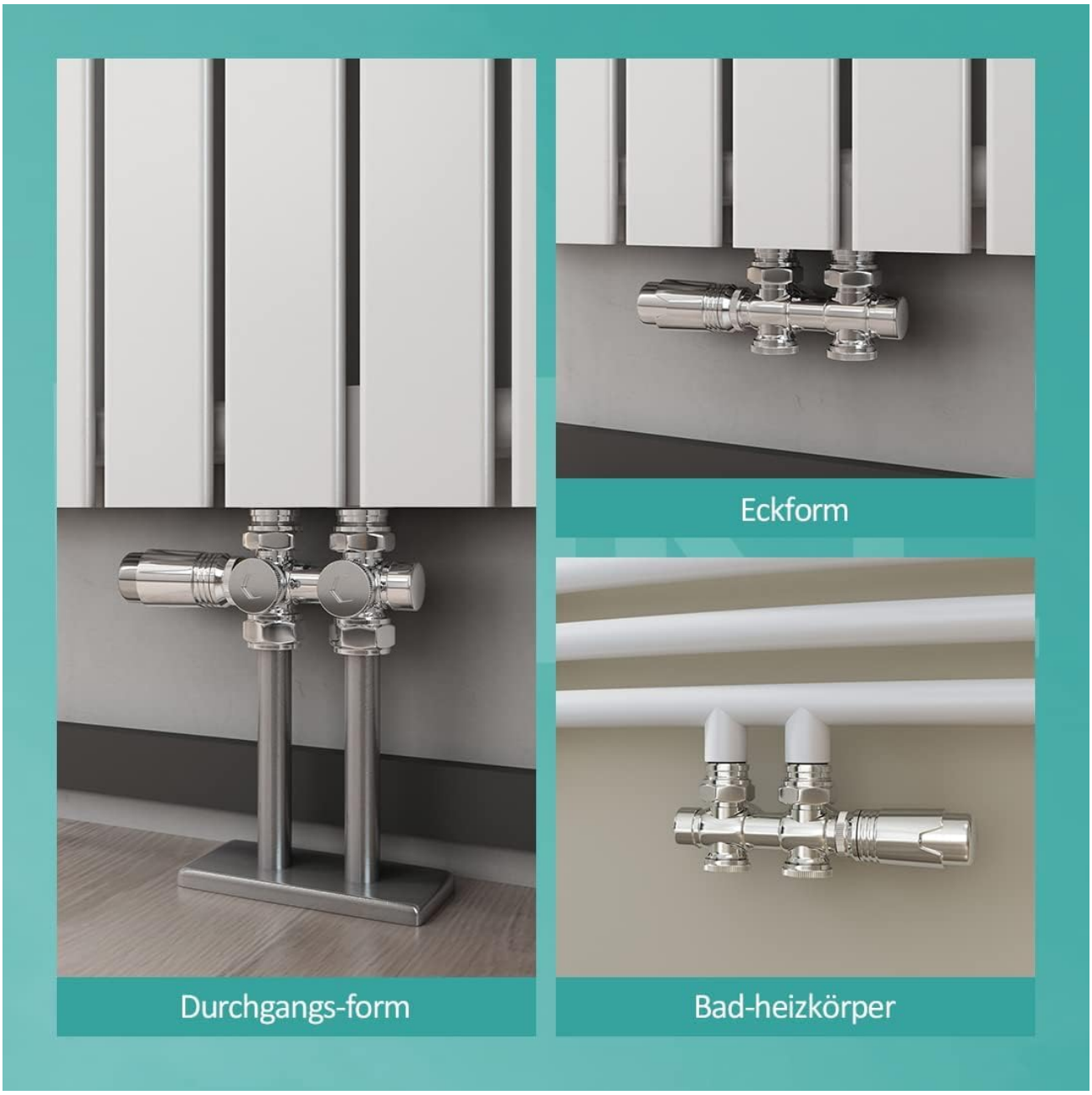


Figure 4.2: Examples of the EMKE valve installed in passage form, corner form, and on a bathroom towel radiator.

5. Operating Instructions

The thermostatic head allows you to easily adjust the temperature output of your radiator or towel dryer.

Adjusting the Temperature:

- The thermostat head features 7 adjustable gears, indicated by numbers or symbols on the dial.
- Rotate the thermostat head to the desired setting. Higher numbers typically correspond to higher temperatures.
- The valve will automatically regulate the flow of hot water to the radiator to maintain the set temperature in the room.

Temperature Settings Guide:

The following table provides an approximate guide for the temperature settings:



Figure 5.1: Thermostat setting scale with approximate temperature ranges. Note that actual room temperature may vary based on insulation, external factors, and radiator size.

Approximate Temperature Settings

Setting	Approximate Temperature
* (Frost Protection)	7°C
1	12°C
2	14°C
3	20°C
4	24°C
5	28°C

6. Maintenance

The EMKE thermostatic valve is designed for minimal maintenance. Regular checks can help ensure its long-term performance.

Cleaning:

- Wipe the chrome surface with a soft, damp cloth.
- Do not use abrasive cleaners, solvents, or harsh chemicals, as these can damage the finish.

Periodic Checks:

- Periodically inspect the valve and connections for any signs of leaks. Address any leaks immediately.
- Ensure the thermostatic head rotates smoothly and the temperature settings are responsive.
- During periods of non-use (e.g., summer), it is advisable to set the thermostat to its maximum setting for a short period once a month to prevent the valve pin from sticking.

7. Troubleshooting

If you experience issues with your EMKE thermostatic valve, refer to the following common problems and solutions:

Troubleshooting Guide

Problem	Possible Cause	Solution
Radiator not heating up (or only partially)	Valve pin stuck; Air in the system; Thermostat set too low; System pressure too low.	Remove thermostatic head and gently push the pin to free it; Bleed the radiator; Increase thermostat setting; Check system pressure and refill if necessary.
Radiator too hot (cannot regulate temperature)	Thermostat head not properly seated; Valve pin stuck open.	Ensure thermostatic head is securely attached; Remove head and check if pin is stuck open, gently push to free.
Water leaking from valve connections	Loose connections; Damaged seals/gaskets.	Tighten connections (do not overtighten); Replace damaged seals/gaskets. If leaks persist, contact a professional.
Thermostat head difficult to turn	Internal mechanism stiff; Dirt accumulation.	Gently try to turn it back and forth; Clean around the head. If still stiff, consider professional inspection.

If the problem persists after attempting these solutions, please contact a qualified heating engineer or EMKE customer support for assistance.

8. Specifications

Detailed technical specifications for the EMKE Radiator Towel Dryer Connection Fitting Valve with Thermostat:

Product Specifications

Attribute	Value
Manufacturer	EMKE

Attribute	Value
Part Number	HTRV-DEVC
Item Model Number	HTRV-DEVC
Material	Brass (Premium Plating Process, Chrome)
Color	Chrome
Connection Thread	G1/2 inch
Center Lock Distance	50 mm (two-pipe arm)
Adjustable Gears	7
Product Dimensions	18.5 x 15 x 14 cm
Item Weight	1.8 Kilograms
Included Components	Multi-block, Installation Instructions

Technical Drawing:

For detailed dimensions and internal structure, refer to the technical drawing below:

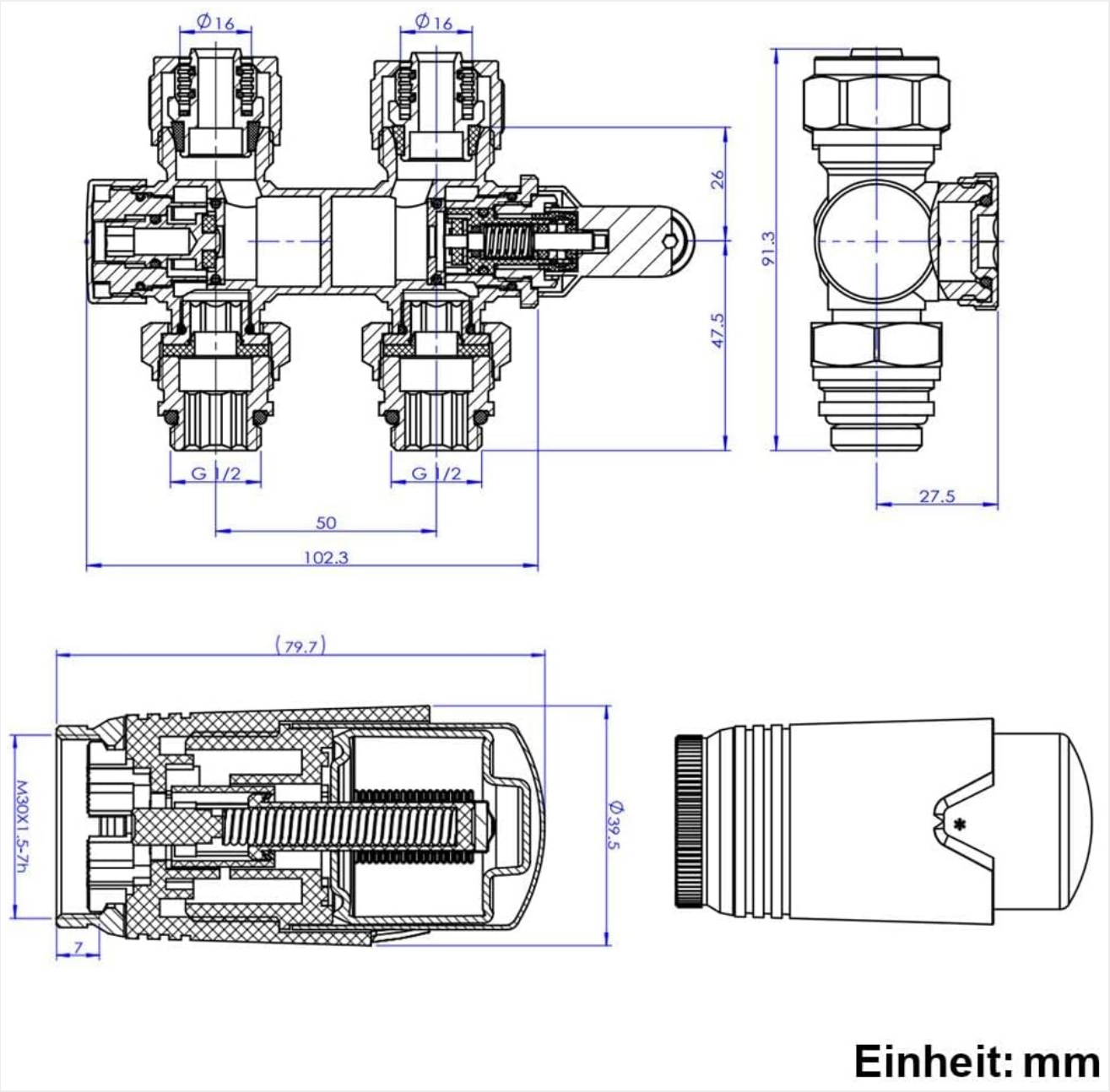


Figure 8.1: Technical drawing of the EMKE Thermostatic Valve with key dimensions in millimeters.

9. Warranty and Support

EMKE products are manufactured to high-quality standards. For specific warranty information, please refer to the documentation included with your purchase or visit the official EMKE website.

Customer Support:

If you have any questions, require technical assistance, or need to report an issue, please contact EMKE customer support through their official channels. When contacting support, please have your product model number (HTRV-DEVC) and purchase details ready.

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This manual is subject to change without notice.