

## EMKE FR6310A-DR

# EMKE Design Radiator Instruction Manual

Model: FR6310A-DR (630x1000mm, Anthracite, Single-Layer)

## 1. PRODUCT OVERVIEW

This manual provides essential information for the installation, operation, and maintenance of your EMKE Design Radiator, Model FR6310A-DR. This horizontal panel radiator is designed for efficient heating in residential spaces.

### Key Features:

- **Dimensions:** 630 x 1000 mm (Height x Width)
- **Heat Output:** 730 W
- **Number of Tubes:** 13
- **Recommended Area:** Up to 6 m<sup>2</sup>
- **Layers:** Single-layer design
- **Weight:** 19 kg
- **Material:** High-quality SPCC steel, compliant with BS EN 442 standard, CE certified
- **Connection:** Side connection (left), G1/2" thread, 50 mm connection size, 55mm distance from wall



Figure 1: EMKE Design Radiator (630x1000mm, Anthracite)

## 2. PACKAGE CONTENTS

Before beginning installation, please verify that all components are present and undamaged.

- EMKE Design Panel Radiator
- Mounting Kit (includes blind plugs, long screws, rubber rings, rubber pads)
- Installation Instructions (this manual)

**Note: Valves are not included and must be purchased separately.**

# Zubehöre inbegriffen



# Vierschichtige Verpackung

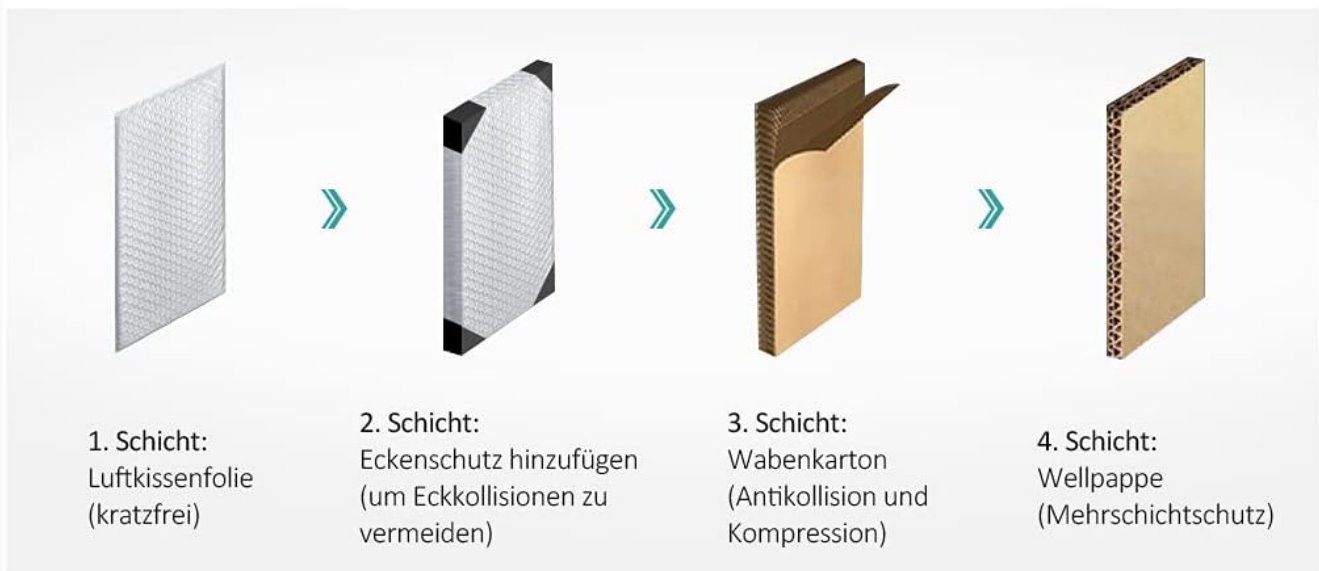


Figure 2: Included Accessories and Packaging Layers

## 3. SETUP AND INSTALLATION

Installation should be performed by a qualified professional to ensure safety and proper function. Always turn off the main water supply before beginning any work.

### 3.1 Important Considerations

- Ensure the wall material is suitable to support the radiator's weight (19 kg plus water).
- Accurate measurements are crucial for correct mounting. Refer to the technical drawing for precise dimensions and connection points.
- The radiator is designed for hot water central heating systems.

### 3.2 Connection Options

The radiator offers flexible connection options:

- **Side Connection (Left):** This is the standard configuration. It can use either a split valve or a connected valve.
- **Connection at Both Ends:** The four corners of the radiator can also be used for water inlet and outlet. For

this method, a split valve must be used.

## Tatsächlicher Größenvergleich

Hinweis: Bitte messen Sie vor dem Kauf die Einbauraumgröße aus.



Figure 3: Radiator Connection Methods

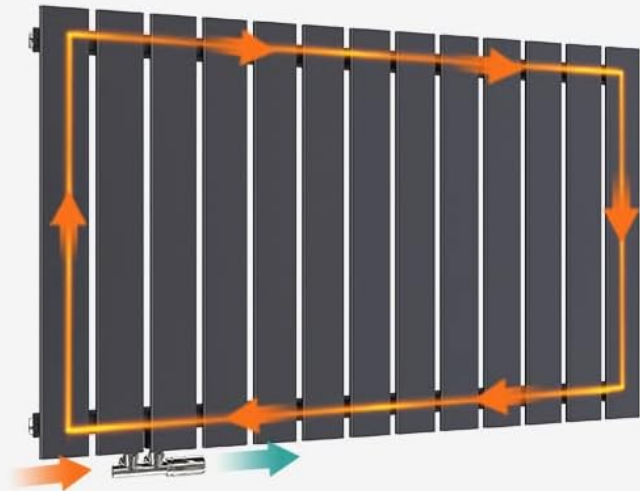
### 3.3 Connection Specifications

- **Connection Thread:** G1/2"
- **Connection Distance:** 50 mm
- **Distance from Interface to Wall:** 55 mm

# Zwei Verbindungsmethoden:

## Seitenanschluss (links)

Kann geteiltes Ventil oder verbundenes Ventil verwenden



## Anschluss an beiden Enden

Bitte geteiltes Ventil verwenden

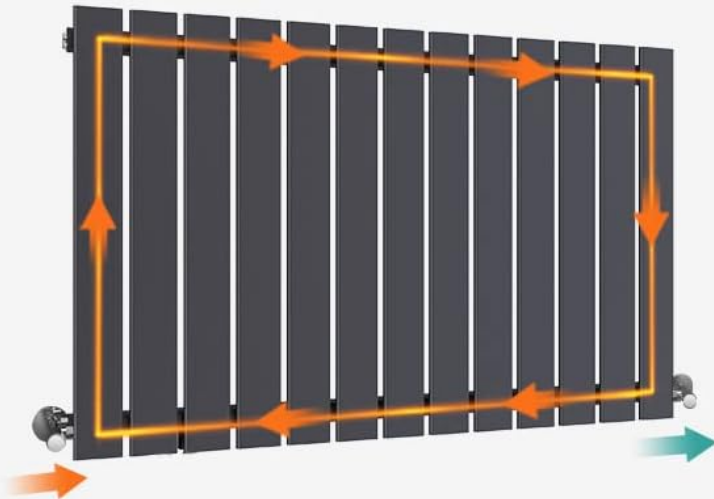


Figure 4: Connection Thread and Distance

### 3.4 Technical Drawing

Consult the technical drawing for detailed measurements and mounting points. Precise measurement before drilling is essential.

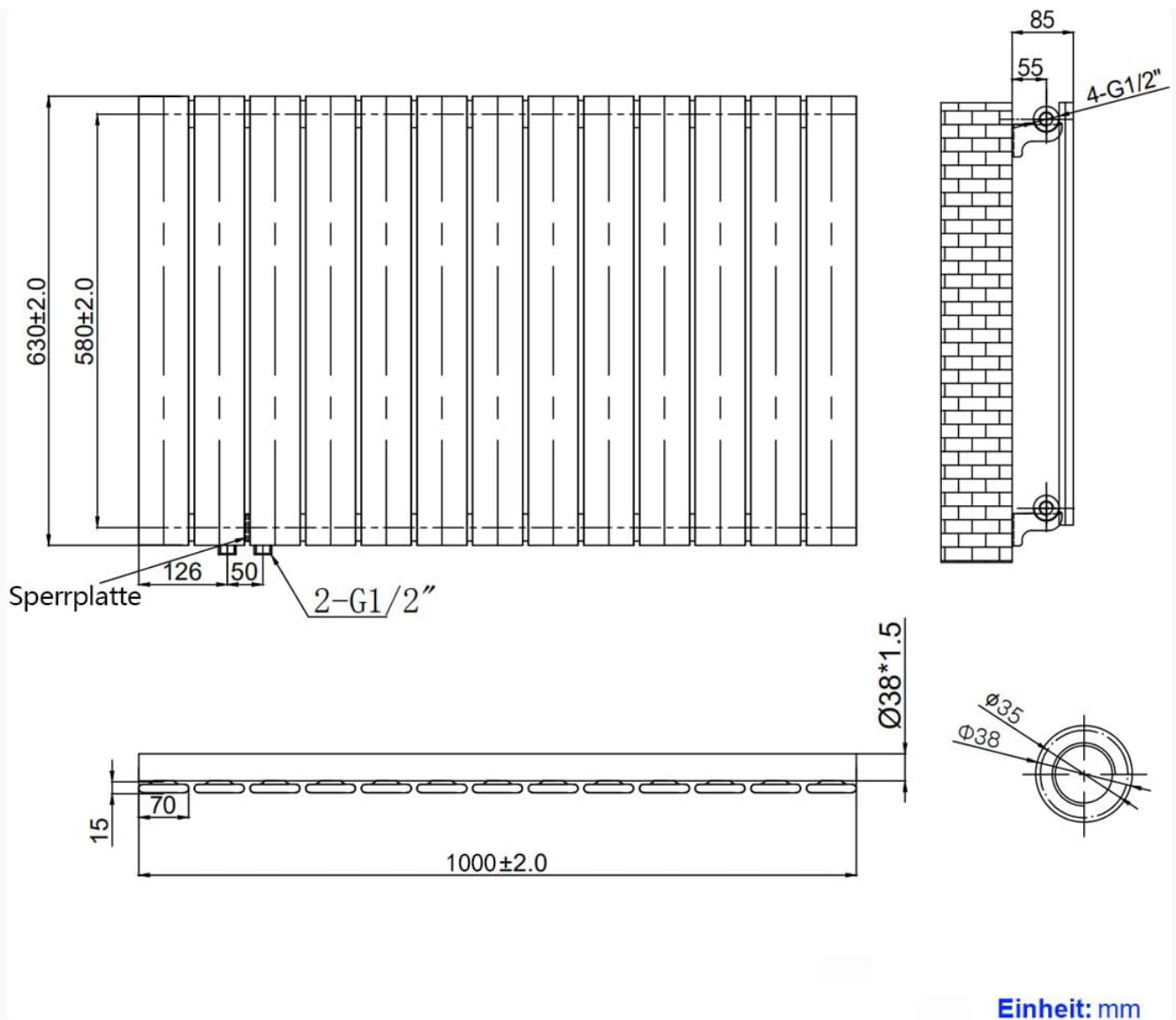


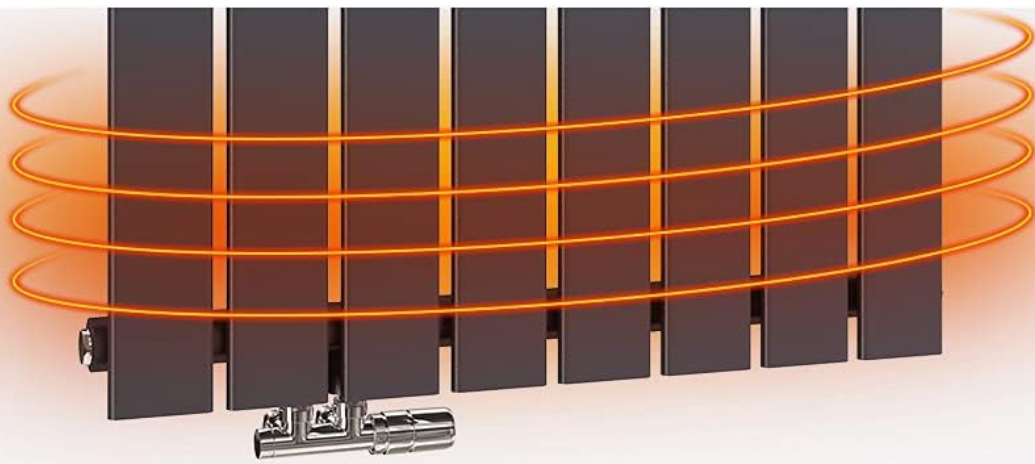
Figure 5: Technical Drawing with Dimensions

## 4. OPERATING INSTRUCTIONS

The EMKE Design Radiator operates as part of a hot water central heating system, distributing heat through convection.

### 4.1 Heating Principle

Hot water circulates through the radiator panels, transferring heat to the surrounding air. This creates a comfortable and even warmth in the room.



Energieart: **Warmwasser**



Höhere Wärmeleitfähigkeit



Anschlussgewinde: **G1 / 2"**  
Anschlussabstand: **50mm**  
**(\*Enthält kein Ventil)**

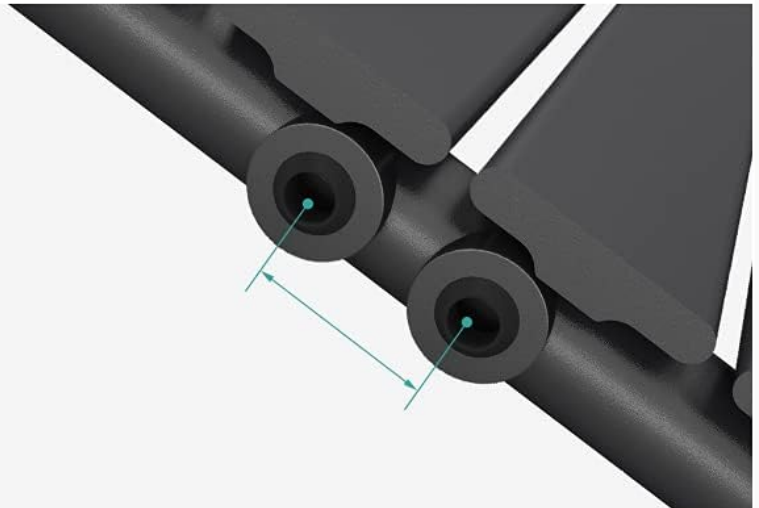


Figure 6: Hot Water Heating Principle

## 4.2 Temperature Control

Temperature control is managed by external valves (not included) connected to your central heating system. Adjust these valves to regulate the heat output of the radiator.

## 5. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your radiator.

### 5.1 Cleaning

- Wipe the radiator surface with a soft, damp cloth.
- Avoid abrasive cleaners or harsh chemicals, as these can damage the anthracite finish.
- Do not use metal objects for cleaning, as the paint finish is sensitive and can chip.

### 5.2 Bleeding the Radiator

If your radiator is not heating evenly or makes gurgling noises, it may contain trapped air. Bleed the radiator



periodically using a radiator key (not included) to release air and improve efficiency.

## 6. TROUBLESHOOTING

This section addresses common issues you might encounter with your EMKE Design Radiator.

### 6.1 Radiator Not Heating

- **Check Valves:** Ensure both inlet and outlet valves are fully open.
- **Bleed Air:** Trapped air can prevent proper heating. Bleed the radiator as described in the Maintenance section.
- **System Pressure:** Verify that your central heating system's pressure is within the recommended range.

### 6.2 Uneven Heating

- **Bleed Air:** Uneven heating, especially a cold top and warm bottom, often indicates trapped air.
- **Balancing:** Your heating system may need balancing. Consult a heating engineer for this procedure.

### 6.3 Leaks

- **Check Connections:** Ensure all pipe connections are tight. Do not overtighten.
- **Valve Issues:** Inspect valves for any signs of leakage.
- If a leak persists, immediately turn off the water supply to the radiator and contact a qualified plumber.

## 7. SPECIFICATIONS

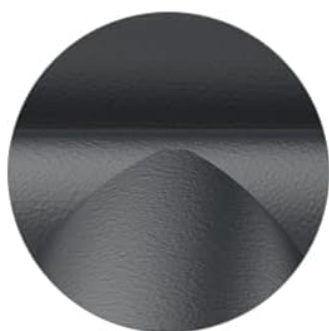
Attribute	Detail
Brand	EMKE
Model Number	FR6310A-DR
Product Dimensions (H x W x D)	63 x 100 x 4.9 cm
Weight	19 kg
Heat Output	730 W
Number of Tubes	13
Recommended Heating Area	6 m²
Layers	Single-layer
Color	Anthracite
Material	High-quality SPCC Steel
Standards Compliance	BS EN 442, CE Certified
Connection Type	Side connection (left)
Connection Thread	G1/2"
Connection Size	50 mm
Distance from Wall	55 mm



Heating Method	Convection (Hot Water)
Mounting Type	Wall Mount
Country of Origin	China
First Available Date	March 24, 2022

## Fortgeschrittene Technologie

Der Heizkörper wird durch Hartlöten in einem Stück geschweißt, die Schweißnaht ist sehr klein und schön.



Die Überlappungsschweißtechnologie macht das Schweißen stärker.



Figure 7: Actual Size Comparison (Note: Please measure your installation space before purchase)

## 8. WARRANTY AND SUPPORT

EMKE products are manufactured to high-quality standards and comply with EN442 norms.

### 8.1 Warranty Information

Specific warranty details for your EMKE Design Radiator are typically provided at the point of purchase or can be found on the official EMKE website. Please retain your proof of purchase for any warranty claims.


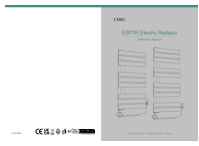
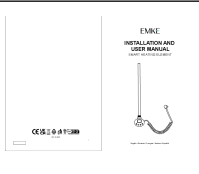


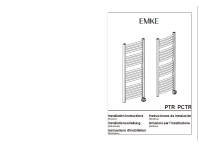
## 8.2 Customer Support

For technical assistance, installation queries, or other support needs, please refer to the contact information provided by your retailer or visit the official EMKE website. You can find more information about EMKE products and support at [EMKE Brand Store](#).



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### Related Documents - FR6310A-DR

	<p><a href="#">EMKE SFTR Towel Rail Installation Instructions</a></p> <p>Comprehensive installation guide for the EMKE SFTR towel rail, covering preparation, parts, step-by-step installation, and post-installation care.</p>
	<p><a href="#">EMKE ESFTR Electric Radiator Instruction Manual</a></p> <p>Comprehensive instruction manual for the EMKE ESFTR Electric Radiator, covering installation, operation, technical specifications, app connectivity, and safety guidelines.</p>
	<p><a href="#">EMKE Smart Heating Element: Installation and User Manual</a></p> <p>Comprehensive installation and user manual for the EMKE Smart Heating Element, covering setup, operation, app control, safety guidelines, and disposal instructions.</p>
	<p><a href="#">EMKE ERG200W Electric Glass Panel Heater - Instruction Manual</a></p> <p>Comprehensive instruction manual for the EMKE ERG200W Electric Glass Panel Heater. Covers safety warnings, technical specifications, installation (freestanding and wall-mount), control panel functions, WiFi connectivity and app usage via the Smart Life app, cleaning, maintenance, and disposal instructions.</p>
	<p><a href="#">EMKE ERG200W Electric Glass Panel Heater: Instruction Manual &amp; User Guide</a></p> <p>This EMKE ERG200W Electric Glass Panel Heater instruction manual provides essential guidance on safety, technical specifications, installation (freestanding and wall-mount), control panel operation, WiFi connectivity via the Smart Life app, cleaning, maintenance, and disposal. Ensure safe and optimal use of your EMKE heater.</p>
	<p><a href="#">EMKE PTR PCTR Electric Towel Rail Installation and User Manual</a></p> <p>Comprehensive installation and user guide for the EMKE PTR PCTR electric towel rail. Learn about setup, operation modes, app connectivity, and troubleshooting for your heated towel rail.</p>

