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## AB 10-Panel

# AB Wall-mounted 10-Panel Aluminum Hot Water Radiator Heater User Manual

MODEL: 10-PANEL

## Introduction

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This manual provides detailed instructions for the installation, operation, and maintenance of your AB Wall-mounted 10-Panel Aluminum Hot Water Radiator Heater. Please read this manual thoroughly before installation and use to ensure proper function and safety. Keep this manual for future reference.



*Image: The AB Wall-mounted 10-Panel Aluminum Hot Water Radiator Heater, showcasing its sleek, white design and multiple panels.*

## Safety Information

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Always adhere to local plumbing and building codes during installation. Ensure the heating system is depressurized and cooled before performing any work on the radiator. Use appropriate personal protective equipment. If you are unsure about any step, consult a qualified professional.

## Product Overview

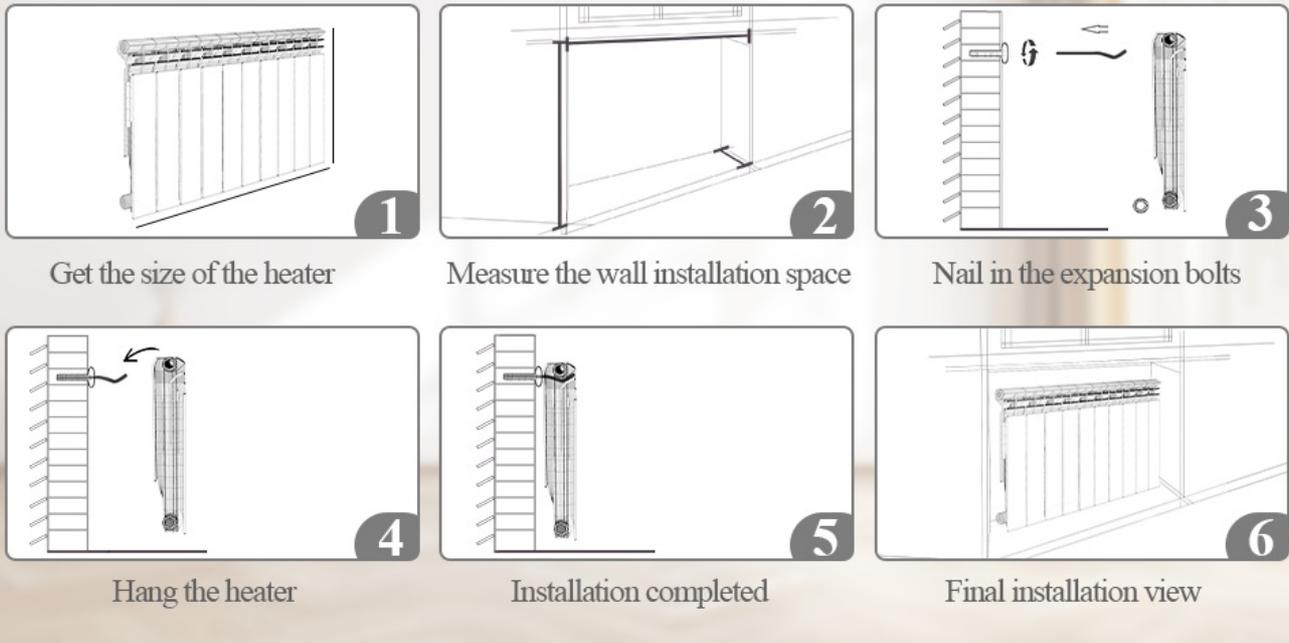
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The AB Wall-mounted 10-Panel Aluminum Hot Water Radiator Heater is designed for efficient and quiet heating in various indoor spaces. Its lightweight aluminum construction ensures rapid warming and durability. Key features include:

- **Efficient Heating:** Produces up to 5,768 BTUs of heat with side air vents for enhanced circulation.

- **Premium Quality:** Constructed from high-quality, scratch-free aluminum with a smooth, corrosion-resistant baking paint finish.
- **Quiet Performance:** Operates silently with stable efficiency and minimal energy consumption.
- **Seamless Design:** Undergoes a 24-hour pressure test, withstanding up to 2.0 MPa, recommended working pressure 1.2-1.8 MPa.
- **Modern Design:** Multi-layer fin design for efficient heat dissipation and wall protection, saving space with wall-mounted installation.

## Wall Mounting Instructions



*Image: Visual representation of the radiator highlighting its energy-saving, flameless, quiet, cost-efficient, and compact features.*

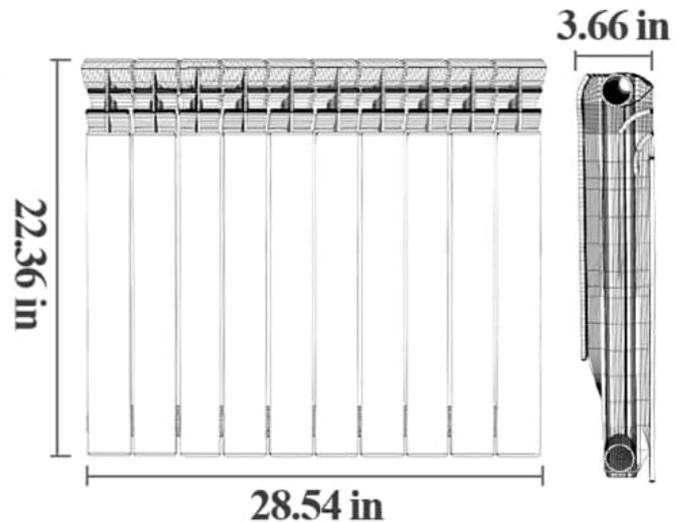
## Specifications

Feature	Detail
Brand	AB
Model	10-Panel
Special Feature	Manual
Color	White
Form Factor	Aluminum
Indoor/Outdoor Usage	Indoor
Product Dimensions	3.66"D x 28.54"W x 22.36"H
Recommended Uses	Heating
Mounting Type	Wall Mount

Room Type	Bathroom, Bedroom, Living Room
Heating Coverage	400-450 square feet
Fuel Type	Hot Water
Max Temperature Setting	250 Degrees Fahrenheit
Item Weight	22 pounds

## Wall-Mounted Aluminum Radiator Heater with 10 Panels

\*\*\*All wall-mounted aluminum heaters have passed the 24 hours pressure test



WiseWater Aluminum Heating Radiator					
Central Distance(IN)	19.69	Single Section Capacity (Gal/PC)			0.1
Model	1 Panels	6 Panels	8 Panels	10 Panels	12 Panels
Dimension (IN)	2.85 *3.66 *22.36	17.13 *3.66 *22.36	22.84 *3.66 *22.36	28.54 *3.66 *22.36	34.25 *3.66 *22.36
Heat Dissipation (BTU)	444 - 577	2662 - 3461	3552 - 4616	4437 - 5768	6553 - 6922
Weight (LB)	1.65	9.9	13.2	16.5	19.8
Work Pressure (PSI)	174 - 261	174 - 261	174 - 261	174 - 261	174 - 261
Test Flow Rate (GPH)	8.77	8.77	8.77	8.77	8.77
Indoor Test Temp (°F)	64.4	64.4	64.4	64.4	64.4
Inlet Temp (°F)	203	203	203	203	203
Outlet Temp (°F)	158	158	158	158	158
NOTE: The above information is for guidance only. The actual heating requirements depend on the size of the building, insulation, and local weather conditions.					

Image: Detailed diagram showing the dimensions and various specifications for the WiseWater Aluminum Heating Radiator, including heat dissipation, weight, and test parameters for different panel configurations.

### Setup & Installation

The AB radiator is designed for wall-mounted installation. All necessary accessories and instructions are included. Follow these steps carefully:

- 1. Prepare the Radiator:** Before mounting, ensure the correct connectors are installed. The 'S' group

connectors (for the left side) should be rotated counterclockwise, and the 'D' group connectors (for the right side) should be rotated clockwise. The position of these connector groups cannot be reversed.



*Image: Diagram illustrating the correct rotation for installing 3/4" S connectors (counterclockwise) and 3/4" D connectors (clockwise) into the radiator.*

- 2. Connector Configuration:** The radiator supports various piping configurations. For a standard setup, one side will have a closed plug and the other an air vent plug. Rotate out the plug core of the air vent plug to release air before installation.
- 3. Mark Mounting Points:** Determine the best distance from the ground for installation, typically between 3.94-5.91 inches (10-15 cm). Mark the positions for the expansion bolts on the wall.
- 4. Install Expansion Bolts and Hangers:** Nail the expansion bolts into the wall. Then, rotate the hangers into the expansion bolts. Ensure they are installed firmly. It is recommended to use blocking behind the mounts if installing on drywall for secure attachment.
- 5. Hang the Radiator:** Carefully hang the radiator onto the installed hangers with the front facing out.
- 6. Connect Piping:** Connect the appropriate inlet and outlet pipes to the radiator. Ensure all connections are secure and properly sealed to prevent leaks. Use sufficient thread tape (e.g., 10+ wraps of high-quality Teflon tape) on all threaded connections.



*Image: Step-by-step visual guide for wall mounting the radiator, from measuring the space to hanging the unit and connecting pipes.*

## Installation Video Guide

Your browser does not support the video tag.

*Video: An official product video from ALFA HEATING SUPPLY demonstrating the installation process and features of the AB WiseWater Wall-mounted Radiator Heater with 10 Panels.*

## Operating Instructions

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Once installed and connected to your hot water heating system, the radiator will begin to heat as hot water circulates through its panels. The design promotes efficient heat transfer to the room.

- **Air Venting:** Before initial operation or after system maintenance, ensure any trapped air is released from the radiator. This is done by rotating out the plug core of the air vent plug located at the top of the radiator until water begins to flow steadily, then re-tighten. This ensures optimal heating performance.
- **Temperature Control:** The radiator operates as part of your central hot water heating system. Room temperature is typically controlled by your system's thermostat.



*Image: Close-up view of the radiator's top section, illustrating the air vent plug and the process of rotating it to release air.*

## Maintenance

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Regular maintenance ensures the longevity and efficiency of your radiator.

- **Cleaning:** The radiator's surface is coated with baking paint, making it easy to clean. A quick water scrub is typically sufficient to remove dust and maintain its bright, smooth finish. Avoid abrasive cleaners that could damage the coating.
- **System Checks:** Periodically inspect the radiator and connections for any signs of wear, corrosion, or leaks. Address any issues promptly.
- **Air Bleeding:** If you notice cold spots on the radiator or reduced heating efficiency, it may indicate trapped air. Bleed the air from the radiator as described in the Operating Instructions.

## Troubleshooting

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- **Leaks:** If leaks occur, especially at connection points, ensure all fittings are tightened securely. It is crucial to

use adequate thread sealant (e.g., Teflon tape) during installation. If leaks persist, consult a qualified plumber.

- **Insufficient Heat Output:** Check if the heating system is operating correctly. Ensure all air has been bled from the radiator. Verify that the radiator size is appropriate for the room's heating requirements, considering insulation and local weather conditions.
- **Noise:** Gurgling or banging noises can indicate air in the system. Bleed the radiator to remove trapped air.

## Warranty & Support

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For specific warranty information, please refer to the documentation provided with your purchase or contact the manufacturer directly. Additional protection plans may be available for purchase to extend coverage.

For technical support or inquiries, please contact AB customer service through their official channels. When contacting support, please have your product model number (10-Panel) and purchase details readily available.