

Vaillant 061836

Vaillant 061836 HW Heat Exchanger User Manual

For Vaillant VC 240 E and VC 242 E Boiler Models

1. INTRODUCTION

This manual provides essential information for the proper handling, installation, operation, and maintenance of the Vaillant 061836 HW Heat Exchanger. This component is designed for use with Vaillant VC 240 E and VC 242 E boiler models. Please read this manual thoroughly before proceeding with any installation or maintenance to ensure safe and efficient operation.

The Vaillant 061836 HW Heat Exchanger is a critical component responsible for transferring heat within your heating system to produce domestic hot water. Its correct installation and maintenance are vital for the overall performance and longevity of your Vaillant boiler.

2. PRODUCT OVERVIEW

The Vaillant 061836 HW Heat Exchanger is a genuine replacement part designed to restore or maintain the hot water production capabilities of compatible Vaillant boilers. It is specifically engineered to meet the performance standards of the original equipment.

- **Component Type:** HW Heat Exchanger
- **Compatibility:** Designed for Vaillant VC 240 E, VC 242 E, and similar models.
- **Function:** Facilitates efficient heat transfer for domestic hot water production.



Image 1: Vaillant 061836 HW Heat Exchanger. This image displays the finned structure and connection points of the heat exchanger, illustrating its design for optimal heat transfer.

3. SAFETY INFORMATION

WARNING: Improper installation, adjustment, alteration, service, or maintenance can cause property damage, injury, or death. Read the installation, operating, and maintenance instructions thoroughly before installing or servicing this equipment.

- Always ensure the main power supply and gas supply to the boiler are turned off before beginning any work.
- Allow the boiler and its components to cool down completely before handling to prevent burns.
- Wear appropriate personal protective equipment (PPE), including gloves and eye protection.
- Installation and servicing of this component should only be performed by a qualified and certified heating engineer or technician.
- Ensure the heating system is depressurized and drained before removing or installing the heat exchanger.
- Check for leaks after installation and before restoring power and gas supply.

4. INSTALLATION (SETUP)

The installation of the Vaillant 061836 HW Heat Exchanger requires specialized knowledge and tools. It is strongly recommended that this procedure be carried out by a qualified and certified heating engineer.

General Installation Steps (for qualified personnel):

1. Preparation:

- Turn off the electrical power supply to the boiler at the main switch.

- Close the gas supply valve to the boiler.
 - Isolate the boiler from the heating and domestic hot water systems.
 - Drain the boiler and the relevant sections of the heating system.
 - Allow the boiler to cool down completely.
2. **Access:** Carefully remove the boiler casing and any other components necessary to gain access to the existing heat exchanger.
 3. **Removal of Old Heat Exchanger:** Disconnect all pipework and fixings securing the old heat exchanger. Remove it carefully, noting its orientation and connections.
 4. **Installation of New Heat Exchanger:**
 - Ensure all sealing surfaces are clean and free from debris.
 - Install new gaskets and O-rings as required.
 - Position the new Vaillant 061836 HW Heat Exchanger in the correct orientation.
 - Secure all fixings and reconnect pipework, ensuring a tight, leak-free seal.
 5. **Reassembly and Testing:**
 - Refill the heating system and boiler, bleeding air as necessary.
 - Check for any leaks at all connections.
 - Restore the gas supply and check for gas leaks.
 - Restore the electrical power supply.
 - Initiate the boiler's commissioning sequence as per the main boiler manual to ensure proper function and hot water production.

Refer to the specific service manual for your Vaillant VC 240 E or VC 242 E boiler for detailed, model-specific installation instructions.

5. OPERATION

The Vaillant 061836 HW Heat Exchanger is a passive component within your boiler system. It does not have user-operable controls. Its operation is entirely dependent on the correct functioning of the main boiler unit. Once correctly installed, the heat exchanger will automatically perform its function of transferring heat from the primary heating circuit to the domestic hot water circuit when there is a demand for hot water. Ensure your boiler is operating according to its own user manual to guarantee the heat exchanger functions optimally. If you experience issues with hot water production after installation, refer to the troubleshooting section of this manual and the main boiler manual.

6. MAINTENANCE

Regular maintenance of your boiler system, including the heat exchanger, is crucial for its efficiency and longevity. While the HW Heat Exchanger itself typically requires minimal direct user maintenance, it is part of a larger system that needs professional attention.

Recommended Maintenance Practices:

- **Annual Boiler Service:** Have your entire Vaillant boiler system, including the heat exchanger, inspected and serviced annually by a qualified heating engineer. This will ensure optimal performance and identify potential issues early.
- **System Flushing:** Periodically, your heating system may benefit from a power flush to remove sludge and debris that can accumulate in pipes and components, including the heat exchanger. This should

only be performed by a professional.

- **Water Treatment:** In hard water areas, scale buildup can affect heat exchanger efficiency. Consult with your heating engineer about appropriate water treatment solutions for your system.
- **Visual Inspection:** During the annual service, the engineer will visually inspect the heat exchanger for any signs of corrosion, leaks, or blockages.

Always refer to your main Vaillant boiler manual for specific maintenance schedules and recommendations.

7. TROUBLESHOOTING

If you encounter problems with your hot water supply or boiler operation after the installation of the Vaillant 061836 HW Heat Exchanger, consider the following general troubleshooting points. For detailed diagnostics and repairs, always contact a qualified heating engineer.

Common Issues and Potential Causes:

- **No Hot Water or Insufficient Hot Water:**
 - **Cause:** Air in the system, incorrect boiler settings, blockage in the heat exchanger (less likely if newly installed but possible if system was dirty), faulty diverter valve (not part of this component).
 - **Action:** Check boiler pressure, ensure system is bled of air. Verify boiler settings. If issues persist, professional inspection is required.
- **Leaks from the Heat Exchanger:**
 - **Cause:** Improperly tightened connections, damaged gaskets/O-rings during installation, manufacturing defect (rare).
 - **Action:** Immediately turn off water supply to the boiler and contact a qualified engineer. Do not attempt to tighten connections while the system is under pressure.
- **Boiler Cycling Frequently:**
 - **Cause:** Could indicate an issue with heat transfer, potentially related to the heat exchanger or other boiler components.
 - **Action:** Consult the main boiler manual's troubleshooting section or contact a professional.

Always prioritize safety. If you suspect a gas leak or electrical fault, immediately turn off the gas and electricity supply and contact emergency services and a qualified professional.

8. SPECIFICATIONS

The following specifications are provided for the Vaillant 061836 HW Heat Exchanger:

Attribute	Value
Manufacturer	Vaillant
Item Model Number	061836
Package Dimensions	50.2 x 28 x 7.2 cm
Item Weight	4.6 kilograms
Quantity	1

Attribute	Value
Batteries Included	No
Batteries Required	No
Discontinued by Manufacturer	No

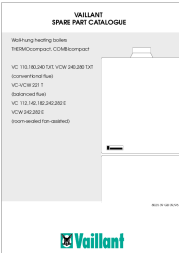

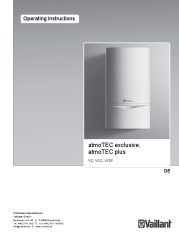
9. WARRANTY AND SUPPORT




For warranty information regarding your Vaillant 061836 HW Heat Exchanger, please refer to the purchase documentation or contact the seller directly. Vaillant, as the manufacturer, typically provides warranty coverage for genuine parts.

If you require technical support, service, or have questions about this product, please contact Vaillant customer service or an authorized Vaillant service partner in your region. Always provide the model number (061836) and your boiler model (e.g., VC 240 E, VC 242 E) when seeking support.

Vaillant Official Website: www.vaillant.com (Please check for your regional website for specific contact details).

Related Documents - 061836

	<p>Vaillant Spare Part Catalogue: THERMOcompact & COMBIcompact Heating Boilers</p> <p>Official spare parts catalogue from Vaillant for THERMOcompact and COMBIcompact wall-hung heating boilers. Find components for VC and VCW series models.</p>
	<p>Vaillant TURBOMax Boiler Spare Parts Catalogue</p> <p>Comprehensive spare parts catalogue for Vaillant TURBOMax boilers, including models VU 182 E, 242 E, 282 E and VUW 242 E, 282 E. Details components like diverter section, burner, gas section, heat exchanger, casing, connection parts, and switch box.</p>
	<p>Vaillant atmoTEC exclusive, atmoTEC plus Operating Instructions</p> <p>Comprehensive operating instructions for the Vaillant atmoTEC exclusive and atmoTEC plus heating boilers (VC, VCC, VCW models), covering safety, operation, maintenance, troubleshooting, and technical specifications for efficient home heating.</p>

	<p>Vaillant ecoTEC Installation and Servicing Instructions</p> <p>Comprehensive guide for the professional installation and servicing of Vaillant ecoTEC series condensing boilers, including ecoTEC plus and ecoTEC pro models. Covers technical specifications, safety, installation procedures, commissioning, troubleshooting, and maintenance.</p>
	<p>Vaillant multiMATIC VRC 700/4 System Diagram Book</p> <p>This document provides essential system and connection diagrams for the Vaillant multiMATIC VRC 700/4 heating control system, designed for competent persons and installers to understand various system configurations and component interconnections.</p>
	<p>Vaillant ecoTEC plus Operating Instructions for Gas-Fired Boilers</p> <p>Official operating instructions for the Vaillant ecoTEC plus series of gas-fired wall-hung boilers. Covers safety, product description, operation, maintenance, troubleshooting, and warranty information.</p>