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## DuraVent SD9088

# DuraVent DuraPlus Through-the-Wall Kit Instruction Manual

Model: SD9088

## INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of the DuraVent 6" DuraPlus Through-the-Wall Kit. This kit is designed for safe and efficient venting of wood stoves, fireplaces, furnaces, boilers, stoves, ranges, water heaters, or other appliances fueled by wood, oil, coal, or gas.

The DuraPlus chimney system features a triple-wall design with ceramic blanket insulation and air space, ensuring a cool exterior and hot interior for optimal draft and stove efficiency. Its design allows for expansion in case of a creosote fire, enhancing safety.

**Important: Please read all instructions carefully before beginning installation or operation. Failure to follow these instructions could result in property damage, injury, or death.**

## KIT CONTENTS

The DuraVent 6" DuraPlus Through-the-Wall Kit includes the following components:

- Wall Thimble
- One 9-inch x 6-inch Horizontal Chimney Pipe
- One Tee with Clean-out Cap
- One Tee Support
- Two Wall Straps
- One Chimney Cap

Note: Additional DuraPlus chimney pipe sections are not included and may be required for your specific installation, supporting up to 40 feet of chimney pipe.



Image: All components included in the DuraVent 6" DuraPlus Through-the-Wall Kit, laid out for inspection.

## SETUP AND INSTALLATION

Installation of the DuraVent DuraPlus Through-the-Wall Kit requires careful planning and adherence to local building codes and fire safety regulations. It is recommended to consult the official installation manual for detailed diagrams and step-by-step procedures.

### Key Installation Steps:

- 1. Planning and Location:** Determine the optimal location for the through-the-wall penetration, ensuring proper clearances from combustible materials as per manufacturer specifications and local codes.
- 2. Wall Thimble Installation:** Install the wall thimble securely through the exterior wall. This component provides the necessary insulation and clearance for the chimney pipe passing through the wall.



Image: A close-up view of a DuraVent chimney pipe connection, illustrating the secure twist-lock design.

3. **Horizontal Pipe and Tee Assembly:** Connect the 9-inch x 6-inch horizontal chimney pipe to the appliance and route it through the wall thimble. Attach the tee with the clean-out cap to the horizontal pipe on the exterior side.
4. **Tee Support and Wall Straps:** Secure the tee support to the exterior wall to bear the weight of the vertical chimney sections. Use the provided wall straps to stabilize the vertical chimney pipe against the wall.

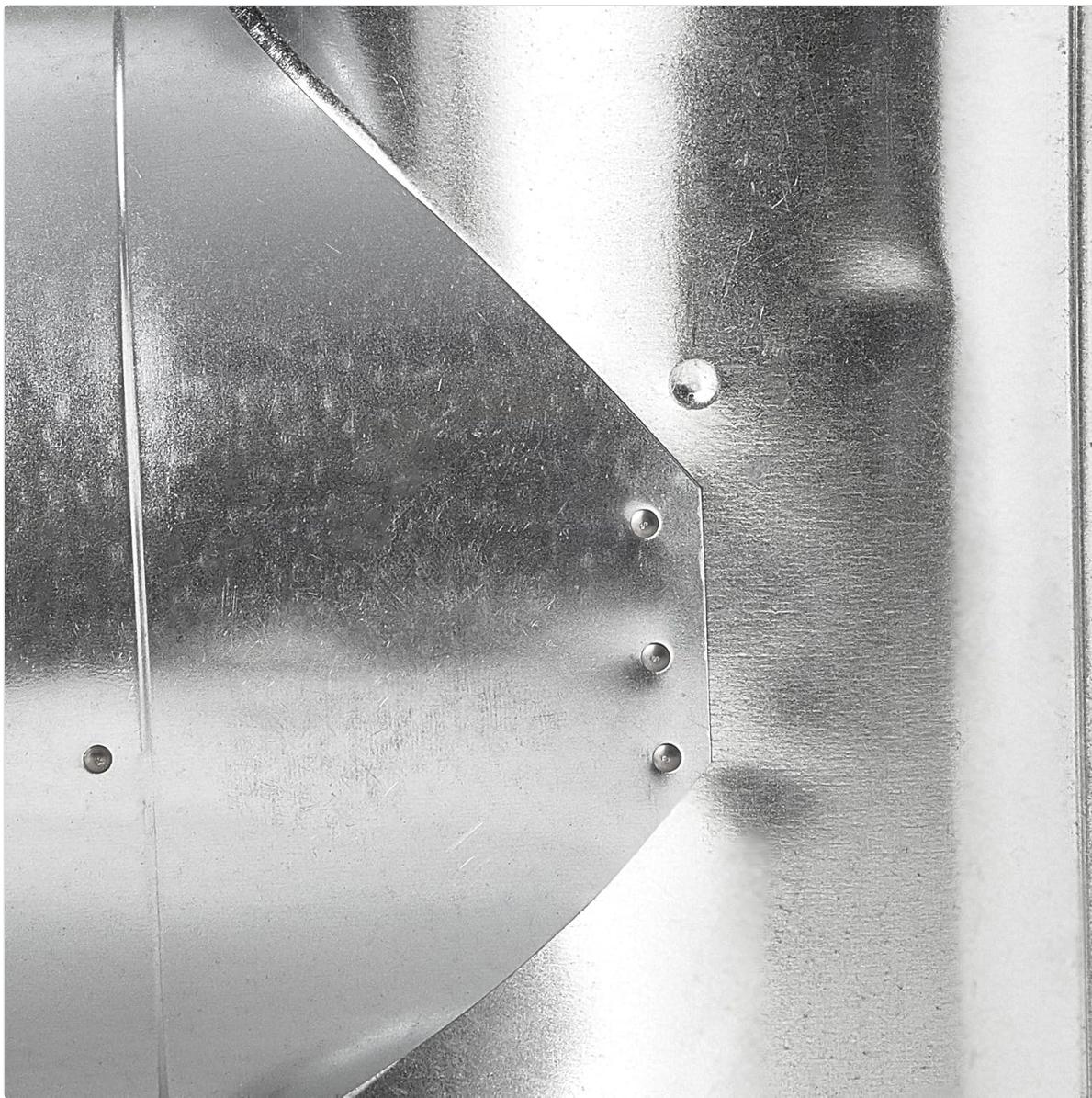


Image: An illustrative diagram demonstrating the correct assembly and installation of the DuraVent through-the-wall chimney system, including the wall thimble and support components.

5. **Vertical Chimney Pipe (Not Included):** Extend the chimney vertically using additional DuraPlus chimney pipe sections (sold separately) to achieve the required height above the roofline, ensuring proper draft and compliance with safety standards.
6. **Chimney Cap Installation:** Install the chimney cap at the top of the vertical chimney run to prevent rain, debris, and animals from entering the flue.

For a comprehensive guide, please refer to the official [Installation Manual \(PDF\)](#).

## OPERATION GUIDELINES

Once installed, the DuraVent DuraPlus chimney system operates passively to vent combustion byproducts from your appliance. Proper operation primarily involves the correct use of the connected heating appliance and regular maintenance of the chimney system.

- **Appliance Operation:** Always follow the operating instructions provided with your wood stove, fireplace, or other heating appliance.

- **Fuel Type:** Ensure you are using the correct and recommended fuel type for your appliance to minimize creosote buildup and ensure efficient combustion.
- **Draft Management:** The DuraPlus system is designed to provide a hot draft. Monitor your appliance's performance to ensure adequate draft, which is crucial for efficient burning and preventing smoke spillage.

## MAINTENANCE

Regular maintenance is crucial for the safe and efficient operation of your DuraVent DuraPlus chimney system. This includes routine inspections and cleaning.

- **Chimney Cleaning:** Inspect the chimney and connector pipes regularly for creosote buildup. Creosote is a highly flammable substance that can lead to chimney fires. Cleaning frequency depends on usage and fuel type, but typically at least once per heating season.



Image: An interior view of the clean-out cap on the chimney tee, showing how it can be removed for inspection and cleaning of the horizontal pipe section.

- **Component Inspection:** Periodically check all connections, including the twist-lock joints, wall thimble, tee support, and wall straps, to ensure they remain secure and free from damage.
- **Chimney Cap:** Ensure the chimney cap is clear of debris (leaves, bird nests, etc.) to maintain proper airflow.

- **Professional Inspection:** It is highly recommended to have your chimney system inspected by a certified chimney sweep annually.

## TROUBLESHOOTING

This section addresses common issues that may arise with chimney systems. For complex problems, consult a qualified professional.

Problem	Possible Cause	Solution
Poor Draft / Smoke Spillage	<ul style="list-style-type: none"> <li>• Chimney obstruction (creosote, debris)</li> <li>• Insufficient chimney height</li> <li>• Cold chimney</li> <li>• Negative house pressure</li> </ul>	<ul style="list-style-type: none"> <li>• Clean chimney and cap.</li> <li>• Extend chimney height if necessary.</li> <li>• Pre-heat flue with crumpled newspaper.</li> <li>• Ensure adequate combustion air supply.</li> </ul>
Excessive Creosote Buildup	<ul style="list-style-type: none"> <li>• Burning unseasoned wood</li> <li>• Smoldering fires (low temperature)</li> <li>• Insufficient air supply to appliance</li> </ul>	<ul style="list-style-type: none"> <li>• Burn dry, seasoned wood.</li> <li>• Maintain hot, active fires.</li> <li>• Ensure proper air intake for appliance.</li> <li>• Increase cleaning frequency.</li> </ul>
Loose Connections	<ul style="list-style-type: none"> <li>• Vibration or settling</li> <li>• Improper initial installation</li> </ul>	<ul style="list-style-type: none"> <li>• Inspect and re-secure all twist-lock joints and support components.</li> <li>• Consult installation manual for correct assembly.</li> </ul>

## PRODUCT SPECIFICATIONS

Attribute	Detail
Product Name	DuraVent 6" DuraPlus Through the Wall Kit
Model Number	SD9088
Brand	DuraVent
Pipe Diameter	6 inches
Chimney Type	Triple-wall, All Fuel Chimney
Insulation Type	Ceramic blanket and air space
Maximum Supported Chimney Pipe	Up to 40 feet (additional pipe not included)

Attribute	Detail
Product Dimensions	10 x 10 x 36 inches
Item Weight	40 pounds
Manufacturer	Duravent
Origin	Made in USA

## WARRANTY INFORMATION

DuraVent products are manufactured to high standards. While specific warranty details are not provided in this manual, DuraVent typically offers a limited lifetime warranty on its DuraPlus chimney systems, covering defects in materials and workmanship. Please refer to the official DuraVent website or contact customer support for the most current and detailed warranty information applicable to your product.

Proper installation and maintenance as outlined in this manual and the official installation guide are often prerequisites for warranty coverage.

## SUPPORT AND CONTACT

For further assistance, technical questions, or to report issues, please refer to the following resources:

- **Official Installation Manual:** A detailed PDF manual is available for download[here](#).
- **Manufacturer Website:** Visit the DuraVent official website for product information, FAQs, and contact details.
- **Certified Professionals:** For installation or complex troubleshooting, it is highly recommended to contact a certified chimney professional or HVAC specialist.