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> DuraVent 3PVL-12R 3x12 Pellet Vent Pipe Instruction Manual

DuraVent 3PVL-12R

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1. INTRODUCTION

This manual provides essential information for the safe and effective installation, operation, and maintenance of your DuraVent 3PVL-12R 3x12 Pellet Vent Pipe. Please read these instructions thoroughly before beginning any installation or use.

2. SAFETY INFORMATION

WARNING: Improper installation, adjustment, alteration, service, or maintenance can cause injury or property damage. Refer to this manual. For assistance or additional information, consult a qualified installer, service agency, or the gas supplier.

- Always ensure proper clearance to combustibles as specified (UL listed for 3" clearance).
- Wear appropriate personal protective equipment (PPE) during installation, including gloves and eye protection, as edges may be sharp.
- Ensure all connections are secure and sealed to prevent exhaust leaks.
- This product is designed for use with stoves that burn wood pellets. Do not use for other fuel types unless explicitly approved.

3. PRODUCT OVERVIEW

The DuraVent 3PVL-12R is a 3-inch diameter by 12-inch long pellet vent pipe designed for efficient and safe exhaust of wood pellet stoves. It features a double-wall, air-insulated construction for enhanced safety and performance.

Key Features:

- **Material:** Inner wall of 0.012" super ferritic stainless steel, outer wall of 0.018" laser-welded Galvalume.
- **Construction:** Fully unitized, twist-lock design for secure connections.

- **Installation:** Suitable for both vertical and horizontal installations.
- **Clearance:** UL listed for 3-inch clearance to combustibles in USA and Canada.
- **Dimensions:** 3-inch nominal diameter, 12-inch length (3-5/8" outside diameter).





Image 1: DuraVent 3PVL-12R 3x12 Pellet Vent Pipe. This image shows the stainless steel pipe with its twist-lock connection points. A measurement overlay indicates a length of 13 inches (32 cm), which is the overall length including the connection.

4. INSTALLATION

Follow these general guidelines for installing the DuraVent 3PVL-12R Pellet Vent Pipe. Always refer to local building codes and the specific instructions provided with your pellet stove for complete installation requirements.

Installation Steps:

1. **Planning:** Determine the optimal vent path, minimizing bends and horizontal runs to ensure proper draft.
2. **Clearance:** Maintain a minimum of 3 inches (7.6 cm) clearance from all combustible materials (wood, drywall, insulation, etc.) along the entire length of the vent pipe.
3. **Connecting Sections:** Each pipe section features a twist-lock connection. Align the male end of one pipe with the female end of another, push firmly, and twist clockwise until the sections lock securely.
4. **Sealing:** While the twist-lock system provides a secure connection, it is recommended to seal all joints with high-temperature silicone sealant or foil tape suitable for vent applications to prevent any potential exhaust leakage.
5. **Support:** Support horizontal runs of pipe every 4 feet (1.2 meters) and vertical runs as required by local codes, typically at each floor level and at the top of the run.
6. **Termination:** Ensure the vent terminates outdoors in a location that complies with all local and national building codes, away from windows, doors, and air intakes.

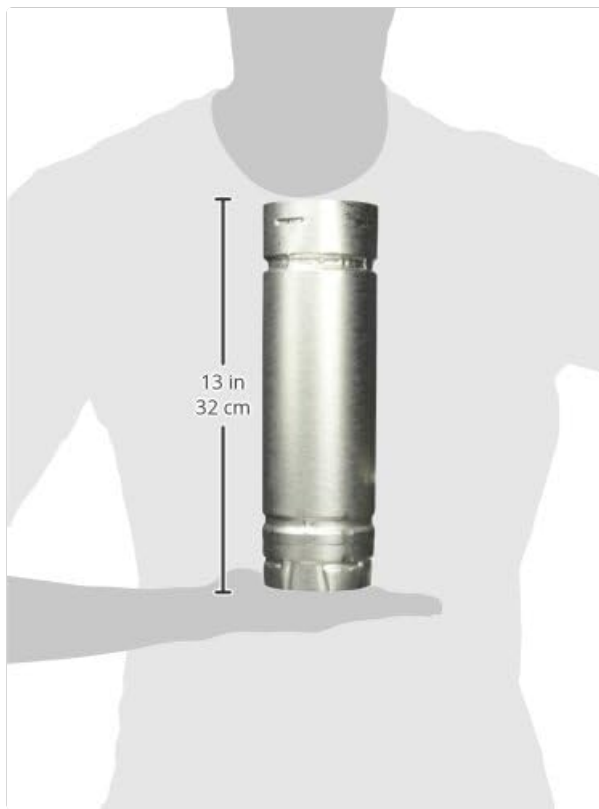


Image 2: Close-up of a DuraVent pellet vent pipe connection. This image illustrates how two sections of the vent pipe connect, highlighting the secure fit.

5. OPERATION

Once properly installed, the DuraVent 3PVL-12R Pellet Vent Pipe will safely channel exhaust gases from your wood pellet stove to the outside. Proper operation relies on a well-maintained stove and a clear, unobstructed vent system.

- Ensure your pellet stove is operating according to its manufacturer's instructions.
- Monitor for any signs of exhaust leakage, such as unusual odors or visible smoke around pipe joints.
- Never block or restrict the vent pipe opening.

6. MAINTENANCE

Regular maintenance of your pellet vent system is crucial for safety and efficiency. Creosote and ash buildup can reduce performance and pose a fire hazard.

- **Annual Inspection:** Inspect the entire vent system at least once a year, or more frequently if the stove is used heavily. Look for signs of corrosion, damage, or excessive creosote buildup.
- **Cleaning:** Clean the vent pipe as needed, typically at least once per heating season. Use appropriate brushes and tools designed for pellet vent cleaning. Disassemble sections if necessary for thorough cleaning.
- **Seal Integrity:** Check all sealed joints for cracks or deterioration. Reapply sealant or tape as required.

7. TROUBLESHOOTING

If you experience issues with your pellet stove's venting, consider the following:

- **Poor Draft/Smoke Back-up:** Check for obstructions in the vent pipe (creosote, bird nests, debris). Ensure the vent cap is clear. Verify all pipe connections are sealed.
- **Visible Smoke/Odor:** Immediately shut down the stove. Inspect all pipe joints for leaks. Ensure proper sealing. Check for cracks or damage to the pipe.
- **Excessive Creosote Buildup:** This may indicate improper stove operation (e.g., burning at too low a temperature) or insufficient draft. Consult your stove's manual and ensure the vent pipe is cleaned regularly.

If problems persist, consult a qualified HVAC technician or stove professional.

8. SPECIFICATIONS

Feature	Specification
Brand	DuraVent
Model	3PVL-12R
Material	Stainless Steel (Inner), Galvalume (Outer)
Product Dimensions (L x W)	12"L x 3"W (Nominal)
Outside Diameter	3-5/8 Inches
Nominal Wall Thickness	0.15 inches (0.381 mm)
Item Weight	0.7 Pounds
UL Listing	3" Clearance to Combustibles

9. WARRANTY AND SUPPORT

This DuraVent product comes with a manufacturer's warranty. For specific details regarding the warranty coverage and duration, please refer to the documentation included with your purchase or visit the official DuraVent website.

For technical support, installation questions, or warranty claims, please contact DuraVent customer service or your authorized dealer.