

WALL THIMBLE 4PVP-WT INSTALLATION INSTRUCTIONS

Replaces MPNs: 4PVP-WT

Before Installing

- **ALWAYS** unplug the unit before beginning any work
 - Allow the unit to cool completely if recently used
 - Work in a well-lit area with proper tools
-

Installation Steps

1. Plan your Placement

- Verify the size and brand of your stove venting. The piping must be by the same brand for proper pipe connection.
- Carefully plan the placement of the wall strap on the pipe.
 - Ensure to account for the required distance the piping must be away from combustibles.
 - Ensure to follow the piping installation guidelines in pages 3 through 5.
 - Verify the thickness of the intended wall or ceiling the thimble will be used for. The wall thimble can be used for walls measuring 8" thick at maximum extension.
- If you are utilising a hole in the wall from an existing outside air kit, ensure the hole matches in size before proceeding.

2. Disconnect Power

- Ensure the unit is completely cooled down and drained of power.
- Unplug the stove from the powersource.
- If installing the wall thimble to a new placement through the wall, proceed to step 4.

3. Remove Old Air Kit

- Disconnect the pipes, pipe termination, or piping accessories connected through the wall thimble from the exhaust system and remove them.
- Remove the set screws securing the old wall thimble to both sides of the wall
- Remove both halves of the thimble from the mounting hole.

4. Install New Air Kit

- Pull apart both halves of the new wall thimble.
- Insert one half of the thimble through the wall on one side of the wall
- Insert the remaining half of the thimble through the other side of the wall, the two halves should slide into each other.
- Secure both sides of the wall thimble to both sides of the wall with screws.

5. Connect Power

- Insert one pipe piece removed in step 3 through the wall thimble.
- Install the piping, pipe termination, and piping accessories removed in step 3 to the exhaust system.
- Plug the stove's power cord into the power source.
- Your new eall thimble is installed and ready to use.

Post-Installation Check

- Verify all connections are secure
 - Ensure the installation follows the Guidelines for Proper Installation on Page 3.
 - Check for any leaks or openings in the piping.
-

Guidelines for Proper Installation

- **ALL INSTALLATIONS SHALL CONFORM TO NFPA211 STANDARDS BY A QUALIFIED PERSON AND BE INSPECTED BY THE LOCAL AUTHORITY HAVING JURISDICTION WHEN APPLICABLE**
- Every pellet stove has an exhaust take-off. This is where the venting is attached to the stove. The take-off determines the venting diameter and cannot be reduced. If your stove has a 4" diameter take-off, you cannot reduce down to 3" at the take-off or anywhere else in the venting configuration.
- You must ALWAYS use an appliance adapter at the take-off. Appliance adapters in Pellet Vent Pro will end with "AD". Harman Pellet Stoves has its own adapter with "HAD" in the part number. Appliance adapter types: straight pipe, increases, and clean-out tees. All appliance adapters MUST be sealed with RTV silicone AND fastened to the take-off with screws.
- All adjustable length venting pipes must be fastened with screws. When screws are used to fasten together a venting pipe, the screws shall ONLY pierce the outer wall and not breach through the inner wall.
- Venting seams (where two sections of venting twist-lock together) must never be concealed within a wall. Any seam that is in an enclosed or inaccessible space, must be screwed together prior to concealment.
- Pellet Vent Pro has a 1" clearance to combustibles. Horizontal sections must be 7" above combustible floors unless shielding is used and 9" below combustibles unless shielding is used.
- Horizontal venting rules:
 1. No installation shall have more than 10 feet of horizontal venting
 2. All horizontal sections of venting must rise 1/4" over a foot for the entire span

3. Horizontal sections of the vent **MUST** be proceeded by vertical sections at a rate of 2:1. For example: If your installation has 4 feet of horizontal travel, you must have at least 8 feet of vertical after the horizontal run.
- A thimble **MUST** be used when passing through combustible walls.
 - An attic insulation shield **MUST** be used when passing vertically through an insulated space.
 - Venting configurations cannot have more than three 90° elbows or clean-out tees. Two 45° elbows equal one 90° elbow.
 - 3" Venting installations with more than 15 linear feet or require more than two 90° turns must be increased to 4" diameter.
 - Flexible liners can **ONLY** be used in CLASS A masonry chimney applications.

In addition, the following must be observed:

- A. **The clearance above grade** must be a minimum of 12".
- B. **The clearance to a window or door** that may be opened must be a minimum of 48" to the side, 48" below the window/door, 12" above the window/door. (with outside air installed, 9" to the side and below)
- C. **A 12" clearance to a permanently closed window** is recommended to prevent condensation on the window.
- D. **The vertical clearance to a ventilated soffit** located above the terminal within a horizontal distance of 2 feet (60 cm) from the center-line of the terminal must be a minimum of 18".
- E. **The clearance to an unventilated soffit** must be a minimum of 12".
- F. **The clearance to an outside corner** is 11" from the center of the pipe.
- G. **The clearance to an inside corner** is 12".
- H. **A vent must not be installed within 3 feet (90 cm) above a gas meter/regulator assembly** when measured from the horizontal center-line of the regulator.
- I. **The clearance to service regulator vent outlet** must be a minimum of 6 feet.

- J. **The clearance to a non-mechanical air supply inlet to the building** or the combustion air inlet to any other appliance must be a minimum of 48”.
- K. **The clearance to a mechanical air supply inlet** must be a minimum of 10 feet. (with outside air installed, 6 feet)
- L. **The clearance above a paved sidewalk or a paved driveway** located on public property must be a minimum of 7 feet.
- M. **The clearance under a veranda, porch, deck or balcony** must be a minimum of 12 inches. (B. also)

NOTE: The clearance to vegetation and other exterior combustibles such as mulch is 36” as measured from the center of the outlet or cap. This 36” radius continues to grade.

A vent shall not terminate directly above a sidewalk or paved driveway which is located between two single-family dwellings and serves both dwellings. Only permitted if the veranda, porch, deck, or balcony is fully open on a minimum of 2 sides beneath the floor.

Support

If you encounter any issues during installation, consult your owner's manual or contact technical support via our contact form.