

StoveMaestro Pellet Stoves

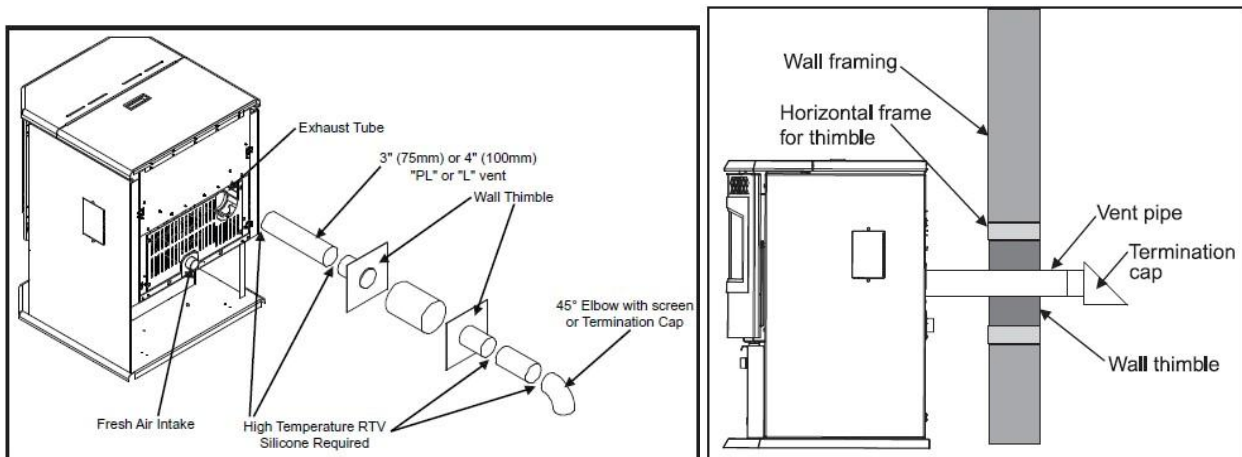
INSTALLATION

Vent installation: Install vent at clearance specified by the vent manufacturer.

A. HORIZONTAL EXHAUST THROUGH WALL INSTALLATION

A chimney connector shall not pass through an attic or roof space, closet or similar concealed spaces, or a floor, or ceiling. Where passage through a wall or partition of combustible construction is desired. Only use venting of L or PL type with an inside diameter of 3 or 4 inches

1. Choose a location for your stove and allow installation with the least amount of interference to house framing, plumbing, wiring, etc.
2. Install a non-combustible hearth pad (where necessary).
3. Place the appliance 15" away from the wall. If the stove is to be set on a hearth pad, set the unit on it.
4. Locate the center of the exhaust pipe on the stove. Extend that line to the wall. Once you have located the center point on the wall, refer to pellet vent manufacturer installation instructions for correct hole size and clearance to combustibles.
5. Install the wall thimble as per the instructions written on the thimble. Maintain an effective vapour barrier in accordance with local building codes.
6. Install a length of 3" or 4" vent pipe into the wall thimble. The pipe should install easily into the thimble.
7. Connect the exhaust vent pipe to the exhaust pipe on the stove. Seal the connection with high temperature silicone.
8. Push the stove straight back, leaving a minimum of 3" clearance from the back of the stove to the wall. Seal the vent pipe to the thimble with high temperature silicone.
9. The pipe must extend at least 12" away from the building. If necessary, bring another length of pipe (PL type) to the outside of the home to connect to the first section. Do not forget to place high temperature silicon around the pipe that passes through the thimble.
10. Install a vertical pipe, or if all requirements for direct venting are met, install vent termination. The stainless steel cap termination manufactured by the vent manufacturer is recommended. However, when the vent terminates several feet above ground level and there are no trees, plants, etc. within several feet, a 45° elbow can be used as termination. The elbow must be turned down to prevent rain from entering.



Note:

Fig.1: Straight through wall installation

Fig.2: Straight through wall installation—Side View

- Some horizontal through wall installations may require a “T” and 3 to 5 feet(91 to 152cm) of vertical pipe outside the building to help naturally draft in the unit.
- The terminate must be 12 inches(30cm) from the outside wall and 12 inches(30cm) above the ground.
- A 45° elbow may be used in place of the termination cap(or stainless steel termination hood).

B. VERTICAL RISE WITH HORIZONTAL TERMINATION INSTALLATION

A 45° elbow may be used in place of the termination cap(or stainless steel termination hood).

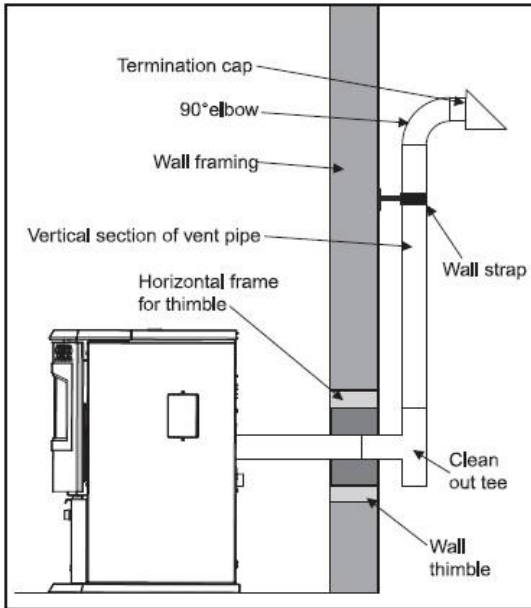


Fig.3: Through wall with Horizontal Termination

C. THROUGH CONCRETE WALL WITH VERTICAL RISE INSTALLATION

A 45° elbow may be used in place of the termination cap(or stainless steel termination hood).

This is the recommended installation to use if there is a concrete or retaining wall in line with exhaust vent on pellet stove..

The terminaton must be 12 inches(30cm) from the outside wall and 12 inches(30cm) above the ground.

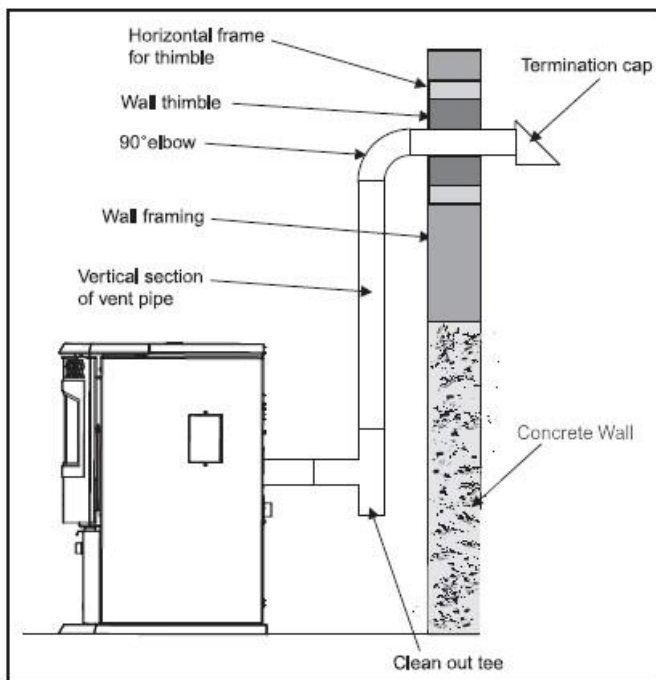


Fig.4: Vertical rise with Horizontal Termination

D. INSIDE VERTICAL INSTALLATIONS

1. Choose a stove location that is ideal.
2. Place the unit on the hearth pad (if installed on a carpeted surface and space the unit in a manner so when the pellet vent is installed vertically, it will be 3" (76mm) away from a combustible wall.
3. Install the fresh air intake pipe.
4. Install the tee with clean out.
5. Install the pellet vent upward from there. When you reach the ceiling, make sure that the vent goes through the ceiling fire stop. Maintain a 3" (76mm) distance to combustibles and keep attic insulation away from the vent pipe. Maintain an effective vapor barrier.
6. Finally, extend the pellet vent to go through the roof flashing.
7. Ensure that the rain cap is at least 24" (610mm) above the roof at the shortest side of the vent.

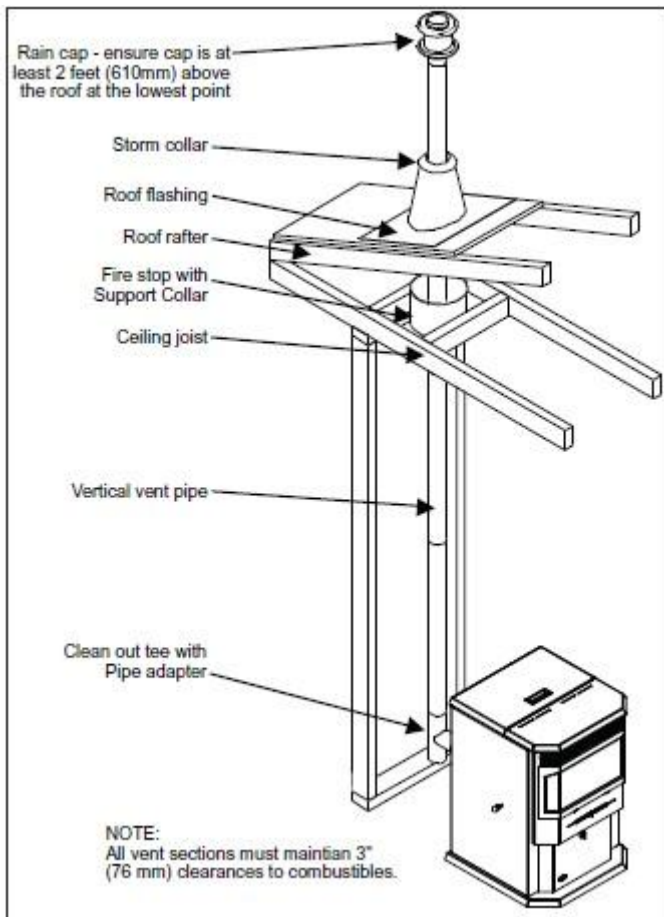


Fig.5: Inside vertical installation

E. OUTSIDE VERTICAL INSTALLATIONS

To accomplish outside vertical pipe installation, follow steps 1 through 4 in the “Inside Vertical Installation” section and then finish it by performing the following(refer to Fig. 6).

1. Install a tee with clean out on the outside of the house.
2. Install PL vent upward from the tee. Make sure that you install support brackets to keep the vent straight and secure.
3. Install ceiling thimble and secure the flashing as you go through the roof.
4. Ensure that the rain cap is approximately 24” (610mm) above the roof.

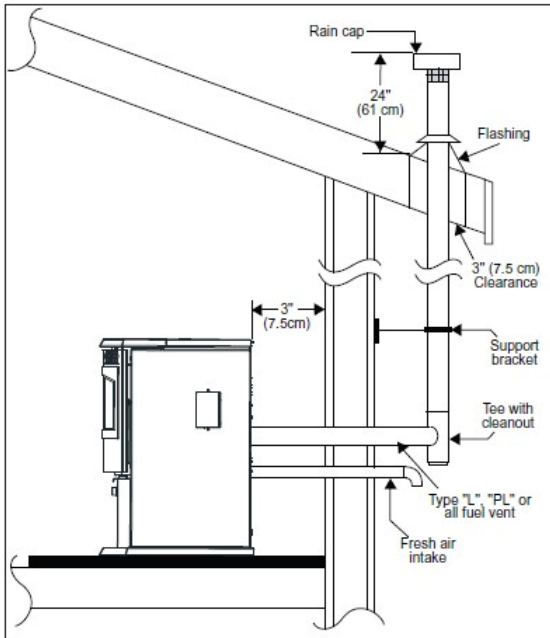


Fig. 6: Outside Vertical Installation

OUTSIDE FRESH AIR CONNECTION

Outside fresh air is mandatory when installing this unit in airtight homes and mobile homes.

A fresh-air intake is strongly recommended for all installations. Failure to install intake air may result in improper combustion as well as the unit smoking during power failures.

When connecting to an outside fresh air source, do not use plastic or combustible pipe. A 2” minimum (51mm) inside diameter steel, aluminum or copper pipe should be used. It is recommended, when you are installing a fresh air system, to keep the number of bends in the pipe to a minimum.

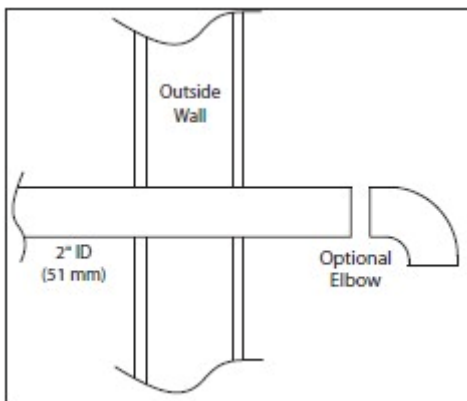


Fig. 7: Outside Air Condition