

INSTALLATION INSTRUCTIONS



Oval 80

Exhaust Vent. Options: Vertical/Horizontal

View these instructions online at www.lbwhite.com

Kit Contents:

Description	Quantity
Installation Instructions	1
Exhaust Adapter	1
Band Clamp	1

KIT NO.	KIT DESCRIPTION
500-133435	Kit, Exhaust Adapter, Vertical, 90°
500-133436	Kit, Exhaust Adapter, Horizontal, 90°

Tools required:

- 5/16 in. Nut Driver
- Flat Head Screwdriver
- High Temperature silicone Sealant or Aluminum Tape

Safety Instructions:

Before installation,

- Disconnect the heater's electrical supply.
- Ensure all screws and nuts are securely tightened.

WARNING



- Insufficient ventilation and/or improperly seal vents may release gas into the building which could result in health problems, carbon monoxide poisoning, or death.
- Refer to the latest edition National Fuel Gas Code ANSI Z223.1 (NFPA 54) or CSA B149.1.
- Failure to follow these instructions can result in serious injury or death.

Requirements:

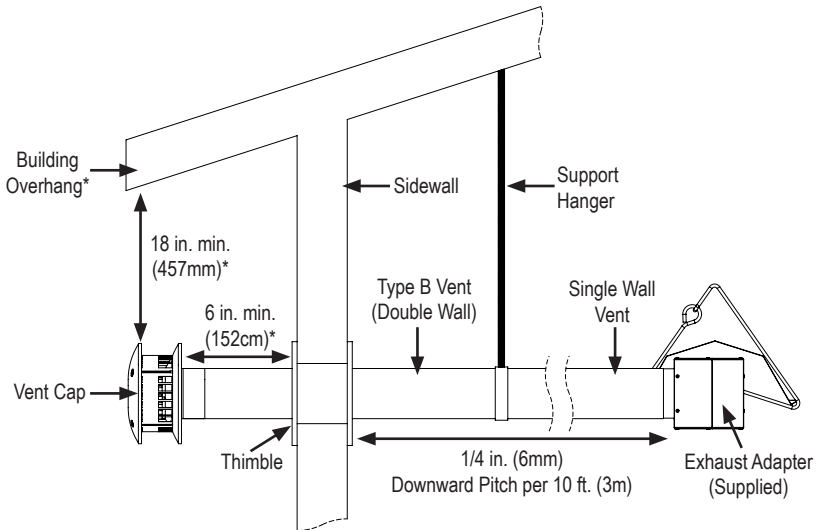
- You must be able to read and understand these instructions before beginning the installation.
- You must be properly trained and have sufficient experience in servicing radiant tube heaters and capable of testing the heater for proper operation.
- Exhaust venting must comply with the latest edition of the NFPA 54/ANSI Z223.1, CAN/CGA B149.1 and B149.2, National Fuel Gas Code, your local code, or authority having jurisdiction.
- The exhaust vent pipe must be 4 in. (101mm) nominal size.
- Vent pipe material must be of a corrosion-resistant galvanized steel of a thickness that meets the National Fuel Gas Code or your local code.
- A vent passing through a combustible wall must pass through an approved clearance thimble that is listed by a nationally recognized testing agency.
- If a metal thimble is not used, all clearances to combustibles from a single-wall vent pipe must be 6 in. (152mm). This may be reduced when the combustible material is protected as specified in the National Fuel Gas Code, local code, or the authority having jurisdiction.
- One continuous double-wall Type B vent may be used for the last section of the vent pipe to reduce the required clearance to combustible when passing through a combustible wall or floor.
- NEVER vent this heater with PVC or plastic pipe.
- Do not exceed a maximum vent length of 20 ft. (6.1m).
- Maintain a minimum vent length of 3 ft. (0.9m).
- All vent pipe seams or connectors shall be fastened by corrosion resistant sheet metal screws (field supplied) or other approved means and should be sealed to prevent leakage of flue gas into building. Aluminum tape suitable for 550°F (288°C) or silicone sealant is recommended.
- An approved vent cap must be attached to the end of the vent pipe.

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Horizontal venting requirement:

- A pitch downwards of not less than 1/4 in. (6mm) per 10 ft. (3m) from the start of the vent system to the vent terminal.
- All portions of the vent pipe shall be supported to prevent sagging. (6 ft. (1.8m) spacing is recommended).
- A minimum clearance of 6 in. (152mm) must be maintained from the sidewall to vent cap.
- The vent cap must be a minimum of 18 in. (457mm) below or extend beyond any combustible overhang.
- Horizontal venting system shall not terminate:
 - Less than 4 ft. (1.2m) below, 4 ft. (1.2m) horizontally from or 1 ft. (0.3m) above any door, operable window or gravity air inlet into any building.
 - The bottom of the vent terminal shall be located at least 7 ft. (2.1m) above grade or above snow accumulation level as determined by local codes.
 - Less than 3 ft. (0.9m) from combustion air inlet.
 - Less than 3 ft. (0.9m) from any other building opening or any gas service regulator.
 - Less than 7 ft. (2.1m) above public walkways.
 - Directly over areas where condensate or vapor could create a nuisance or hazard or be harmful to the operation of gas utility meters, regulators, reliefs valves, or other equipment. Building materials should be protected from flue gases and condensate.

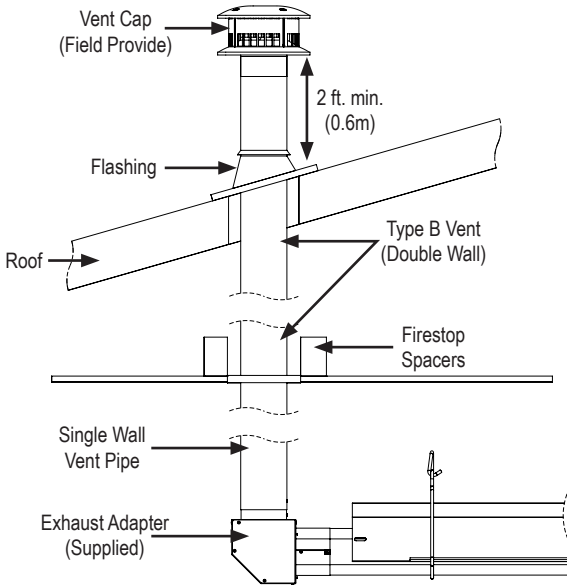


* If vent cap is less than 18 in. (457mm) below a combustible overhang, the vent cap must extend beyond any combustible overhang.

NOTE: To minimize problems associated with condensation in long horizontal runs, vent pipe can be insulated.

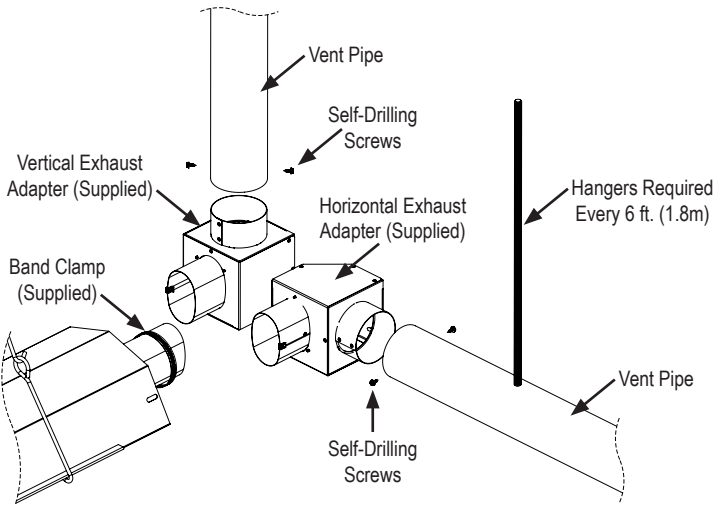
Vertical venting requirement:

- The vent cap must extend a minimum of 2 ft. (0.6m) above the roof.
- The vent cap should be located a minimum of 2 ft. (0.6m) away from adjoining structures.



General Instructions:

1. Insert the band clamp over the end of the oval tube.
2. Install the exhaust tube adapter (oval end section) onto the oval tube.
3. Firmly push the adapter to the heater tube and secure it with the band clamp.
4. Install the exhaust vent pipe to the adapter exhaust port and secure it with screws (field provide).
5. Follow the above requirement per installation.



Service

Contact your local L.B. White dealer for replacement parts and service. You may also call the L.B. White Company, LLC at U.S. & Canada: 1-800-345-7200, Overseas: 001-608-783-5691 assistance, or email us at customerservice@lbwhite.com.

Be sure that you have your heater model number and configuration number when calling.



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