

TYPE L VENT

VENT FOR OIL/GAS FIRED APPLIANCES INSTALLATION AND MAINTENANCE MANUAL



LISTED BY UNDERWRITERS' LABORATORIES INC
TO ULI 641



LISTED TO UNDERWRITER'S LABORATORIES OF
CANADA CAN/ULC-S609-M99

A MAJOR CAUSE OF VENT
RELATED FIRES IS FAILURE
TO MAINTAIN REQUIRED
CLEARANCES (AIR SPACES)
TO COMBUSTIBLE MATERIALS.

IT IS OF UTMOST
IMPORTANCE THAT THIS
VENT BE INSTALLED
ONLY IN ACCORDANCE
WITH THESE INSTRUCTIONS.

ENERGY VENT LTD
241 ARVIN AVE. STONEY CREEK, ONTARIO, L8E 2L9, 905-662-1701
THIS MANUAL CONTAINS 4 PAGES. SAVE IT FOR FUTURE REFERENCE.
REVISED MARCH 1999

TYPE "L" VENT (Model OH)
(sizes 3", 4", 5", 6", 7", 8")

Installation Instructions

Caution:

Read vent and appliance instructions carefully before starting installation. Failure to comply with instructions will void vent certification.



Type "L" vent is designed for venting approved oil or gas appliances producing draft hood flue gases not exceeding a temperature of 570°F (298.8°C).

Minimum clearance between the vent and combustible materials is 3 inches. L vent that extends through any story above that on which the connected appliance is located is to be provided with enclosures having a fire resistance rating equal to or greater than that of the floor or roof assemblies through which they pass.

Framing dimensions of enclosures and at joist or rafter levels shall be a minimum of 6" larger than the outside of the vent.

Near the vent base, post a notice of the vent's type and its limitation to vent oil/gas appliances only.

Connection of the vent to the appliance(s) shall be in accordance with applicable utilization codes, and the inspection authority.

Bird screens may be susceptible to blockage through freezing moisture in areas of low ambient temperatures. Consult authority having jurisdiction.

Only parts specified by these instructions shall be used. Any other parts may affect the chimney's performance.

Planning:

Check that the vent's diameter and height are suitable for the appliance(s) as determined in standard venting tables.

A vent shall extend at least 3 ft. above the highest point at which the vent comes in contact with the roof, and not less than 2 ft. above the highest roof surface or structure within 10 ft. horizontally of the chimney. Not more than 8 in. of chimney flue above the top of the chimney cap may be considered in computing this height.

Locate the vent so as to avoid cutting joists, rafters, or other load bearing structural members. Also, route around plumbing and electrical lines. Locate the base of the vent close to the appliance.

Installation Procedure:

Support Assembly

1) The SUPPORT ASSEMBLY will safely support up to 30' of vent. If the vent exceeds this height, use additional support assemblies at intervals not exceeding 30'.

2) Frame a four-sided hole in the floor with dimensions 6" larger than the vent's outer diameter. Place the SUPPORT ASSEMBLY on the upper side of the hole with the spacers fitting inside the hole (spacers ensure proper clearance to combustibles) and support band on top.

3) Nail the support assembly to the floor with three 3" nails on each side.

4) Lower the first vent section (male end up) through the support's band and clamp the band to hold the vent at the desired height. Additionally, secure the band to the vent's casing with four 3/8" long sheet metal screws.

Assemble Vent Sections

1) Install additional lengths of vent above the first.

2) Fit the female end over the male collar and fasten it with a clockwise twist.

3) ADJUSTABLE LENGTHS telescope over a regular length and are secured by tightening the clamp.

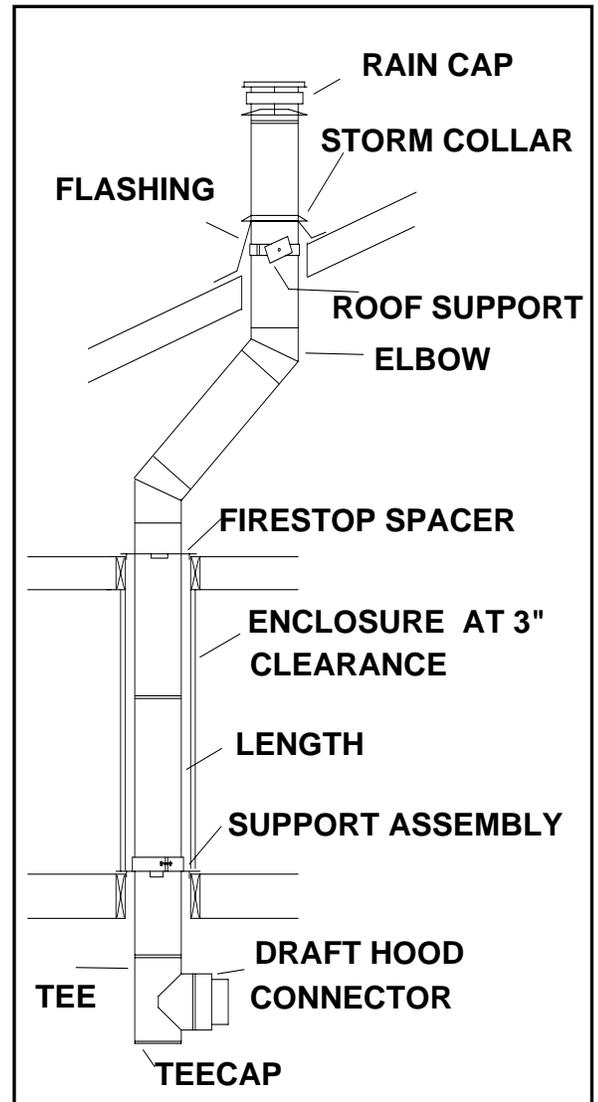
Firestop Spacers

1) Where the vent passes through a floor or ceiling a FIRESTOP is necessary. The firestop may be installed at either the top or bottom side of the joist.

2) Place the firestop spacer around the vent with the spacer brackets towards the framed hole.

3) Push the firestop flat to the joist and fasten it to the framing with four nails.

4) At the level where the vent penetrates the air/vapour barrier, special attention is required. Seal the VAPOUR BARRIER to the FIRESTOP or CEILING SUPPORT ASSEMBLY using an appropriate caulking compound.



Offsets

1) Avoid the use of offsets if possible, as they reduce the vent's draft capacity. Maximum distance between elbows is 15 ft.

2) Offset vents must be re-supported above the second elbow with an Interior Offset Support or roof support. A roof support's band is clamped around the vent and screwed to the casing with four #8 x 1/2 screws. Its brackets are adjusted to the roof pitch and are screwed to the roof with #8 x 1 1/2 screws or 1 1/2 spiral nails. **Utilise all 18 (9 per side) screw/nail locations.** The roof support will safely support 10 ft of vent. The Interior Offset Support band is clamped around the vent and screwed to the vent casing. The straps are then nailed to the joists.

Roof Assembly

1) With the vent protruding up through the roof, slide the flashing down the vent until its base sits on the roof.

2) Place upper side of the base under the shingles and lower side over shingles. Nail flashing to the roof with roofing nails. Seal around the flashing with the appropriate roofing mastic.

3) Slide a storm collar down to the flashing top and seal it with silicone.

4) Top off the vent with a rain cap. The rain cap fits on the vent male collar and fastens with a clockwise twist.

5) If the vent terminates higher than 6 feet above the roof line, it requires additional support from guy wires or roof brace poles.

Maintenance:

Have the vent cleaned and inspected **at least once a year**, preferably by a certified professional.

The ULC label or listed marking on a product is the only evidence provided by the Underwriters Laboratories of Canada to identify products which have been produced under the Listing and Follow-Up Services.

Manufactured by: **Energy Vent Ltd.**
241 Arvin Ave.
Stoney Creek, Ontario
Canada
L8E 2L9