

Installation & Maintenance Instructions



AMERIVENT® Direct Vent Horizontal Square Termination Caps

Horizontal Termination (DHCS, DHVS)

1. Determine the appliance location. Refer to the appliance manufacturer's installation instructions for clearance to combustibles requirements, termination options, number of elbows, maximum length, etc., then position the appliance and plan vent routing accordingly. Consider locating the appliance in a place where there will be no interference with wall studs, electrical wiring, conduit, plumbing pipe, or other obstructions. The termination should be located at least 12" above grade, remain above the snow line in geographical areas that accumulate snow, and be away from traffic areas such as walkways if they are less than 7' high. See the **Sidewall Vent Termination Requirements** on reverse side for more detail.
2. Install the Horizontal Termination (DHCS) to the exterior wall using 4 all-purpose screws through the holes located at each corner of the termination. Make sure the arrow (embossed on the front of the termination) is pointing up (see Figure 1). If the house has vinyl siding, a vinyl siding standoff

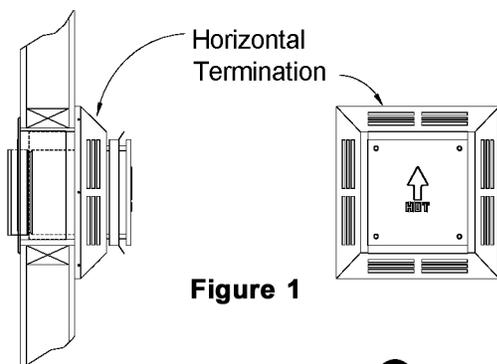


Figure 1

(DHVS) must be installed prior to installing the horizontal termination. Refer to the appliance manufacturer to determine if one is recommended. Attach the vinyl siding standoff to the exterior side of the wall (making sure it is level and centered with respect to the opening) with screws (provided) at each corner of the standoff. Attach the horizontal termination to the standoff (see Figure 2).

If the wall is brick or concrete, and contains combustible material, a 7" round penetration hole is adequate. The wall thimble is not required. The perforated straps of the horizontal termination provide a method of attachment. These either can be threaded through the opening or wall thimble (if used) and screwed to the pipe or removed with a pair of tin snips if not used. Use proper masonry fasteners to attach the horizontal termination to the wall.

3. If a wall thimble is used, push the pipe (which is connected to the appliance) carefully through the wall thimble until the pipe becomes fully engaged with the horizontal termination.

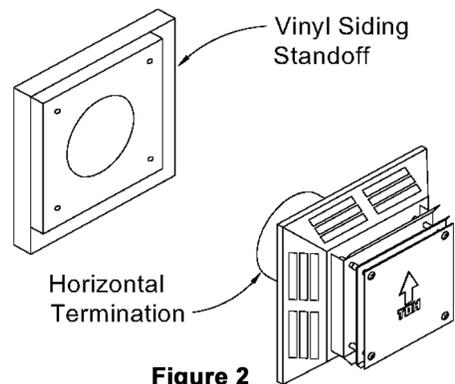
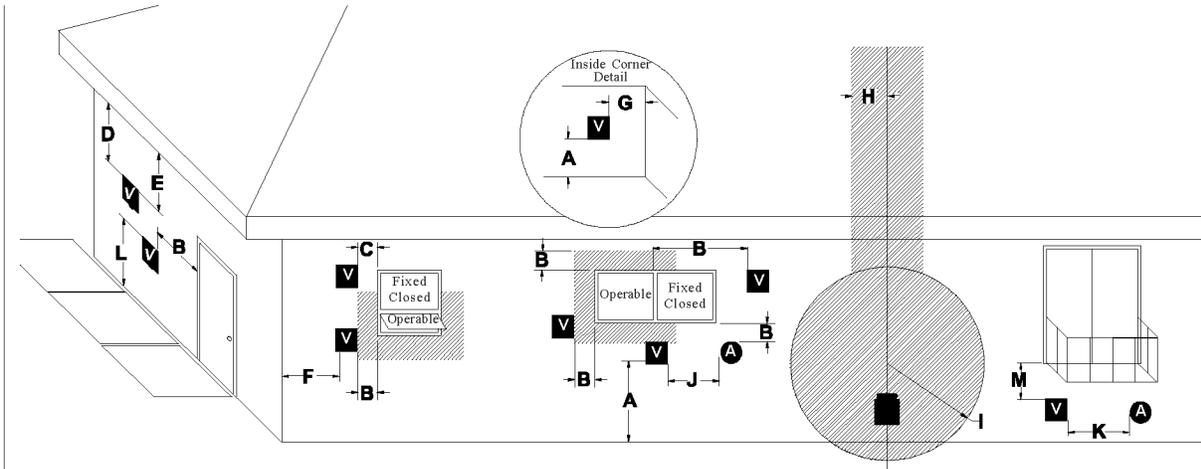


Figure 2

AmeriVent Direct Vent Horizontal Square Termination Cap Installation Instructions



Sidewall Vent Termination Requirements



V = VENT TERMINAL

A = AIR SUPPLY INLET

= AREA WHERE TERMINAL IS NOT PERMITTED

Canadian Installations¹

US Installations²

A = Clearance above grade, veranda, porch, deck, or balcony	12 inches (30 cm)	12 inches (30 cm)
B = Clearance to window or door that may be opened	6 inches (15cm) for appliances \leq and including 10,000 Btuh (3kW), 12 inches (30 cm) for appliances \leq 100,000 Btuh (30kW), 36 inches (91cm) for appliances \geq 100,000 Btuh (30kW)	6 inches (15 cm) for appliances \leq 10,000 Btuh (3 kW), 9 inches (23cm) for appliances \geq 10,000 Btuh (3 kW) and \leq 50,000 Btuh (15 kW), 12 inches (30 cm) for appliances \geq 50,000 Btuh (15 kW)
C = Clearance to permanently closed window	12 inches (30 cm) recommended	12 inches (30 cm) recommended
D = Vertical clearance to ventilated soffit located above the terminal within a horizontal distance of 2 feet (61 cm) from the center line of the terminal	18 inches (45 cm)	18 inches (45 cm)
E = Clearance to unventilated soffit	12 inches (30cm)	12 inches (30 cm)
F = Clearance to outside corner	6 inches (15cm)	6 inches (15cm)
G = Clearance to inside corner	Non-combustible and combustible - As determined by Manufacturer's Installation Instructions	Non-combustible and combustible - As determined by Manufacturer's Installation Instructions
H = Clearance to each side of center line extended above meter/regulator assembly	3 feet (91 cm)	3 feet (91 cm)
I = Clearance to service regulator vent outlet	3 feet (91 cm)	3 feet (91 cm)
J = Clearance to nonmechanical air supply inlet to building or the combustion air inlet to any other appliance	6 inches (15cm) for appliances \leq and including 10,000 Btuh (3 kW), 12 inches (30 cm) for appliances \geq 10,000 Btuh (30kW), 36 inches (91 cm) for appliances \geq 100,000 Btuh (30kW)	6 inches (30 cm) for appliances \leq 10,000 Btuh (3 kW), 9 inches (23 cm) for appliances \geq 10,000 Btuh (3 kW) and \leq 50,000 Btuh (15 kW), 12 inches (30 cm) for appliances \geq 50,000 Btuh (15 kW)
K = Clearance to a mechanical air supply inlet	6 feet (1.83 m)	3 feet (91 cm) above if within 10 feet (3 m) horizontally
L = Clearance above paved sidewalk or paved driveway located on public property	7 feet (2.13 m) [*]	7 feet (2.13 m) [*]
M = Clearance under veranda, porch deck, or balcony	12 inches (30 cm) ^{**}	12 inches (30 cm) ^{**}

¹ In accordance with the current CAN/CSA-B149.1-00 Installation Codes

² In accordance with the current ANSI Z223.1/NFPA 54 National Fuel Gas Code

^{*} A vent shall not terminate directly above a sidewalk or paved driveway that is located between two single family dwellings and serves both dwellings.

^{**} Permitted only if veranda, porch, deck, or balcony is fully open on a minimum of two sides beneath the floor.



American Metal Products Group
5030 Corporate Exchange Blvd. SE
Grand Rapids, MI 49512
www.americanmetalproducts.com

800-423-4270 toll-free
616-656-8400 phone
800-626-3825 toll-free fax
616-656-6388 fax
800-669-3190 technical services