

Model SW

Installation Instructions

Horizontal Wall Thimble

PLEASE READ AND UNDERSTAND THE REQUIREMENTS BEFORE PROCEEDING

The Model SW system can be installed through any type of wall using the Model SW horizontal wall thimble. This item may be used for passing through interior or exterior walls as determined by the installation parameters. The vent must travel 6 feet (72 inches) minimum for 480° continuous vent temperature or 18" for 400° continuous vent temperature, prior to passing through a combustible wall using this wall thimble. The vent must not be insulated for this length.

The wall thimble requires mechanical support from the wall, sufficient enough to support any incidental loads on the system. If the wall is not sufficient to support the wall thimble, then appropriate additional framing and/or blocking is required.

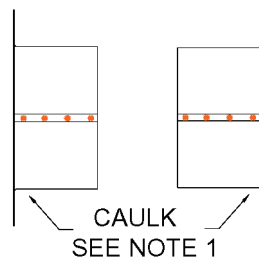
INSTALLATION PROCEDURE

Prepare an opening for the wall thimble in the wall. The opening must be 6½ inches in diameter for 3- or 4-inch diameter Model SW systems. The opening may be either round or square, as long as allowance for proper clearance to combustible material is made. If there are not sufficient support members to secure the wall thimble, or if there is a semirigid foam insulation layer under the sheathing, appropriate fasteners must be used to secure the wall thimble to support members.

The wall thimble is designed to adapt to any wall thickness from 3½" to 6" thick. If the wall is thicker than 6", the wall thimble may be extended using a piece of 6" diameter snap-lock or welded-seam, galvanized pipe up to 6" long.

Select one half of the wall thimble for the outside of the wall.

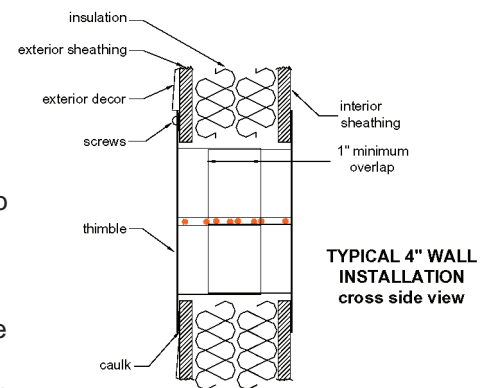
1. Apply a continuous bead of high quality silicone or silicone/latex caulk on the inside of the outer flange. This is the only weather seal to keep moisture outside the building; take care at this step.



2. Position this portion of the wall thimble into the prepared hole from the outside. Secure the assembly into the prepared opening using fasteners as indicated by sheathing or structural members, sealing under the screw heads with more caulking. Use four hollow wall

anchors, at least 1/8 inch in diameter and of an appropriate length for the thickness of the sheathing, if the sheathing is particle board or other composite material. Use four #10 x 1¼" wood screws for plywood or solid wood sheathing or solid wood members. Use suitable masonry anchors when passing through solid masonry walls. Reinstall the decorative sheathing around the Wall Thimble. This assembly may be painted to match the exterior decor.

3. Attach a screened termination fitting as required by the appliance manufacturer to the female end of a Model SW section or slip connector. Use the method described in the installation instructions. Slide the vent in through the outside of the thimble and seal the annular space with a thick bead of caulk.



4. Slide the interior portion of the thimble into the inside hole. Be certain the interior and exterior thimble halves overlap at least 1 inch. If there is an insufficient overlap, extend the interior portion with single-wall galvanized pipe.
5. Secure the wall thimble to the interior sheathing using suitable fasteners.
6. Secure the Model SW section or slip connector that protrudes through the wall thimble to the rest of the vent system as described in the installation instructions. Be certain not to disrupt the exterior seal that was applied in Step 3. Maintain a continuous pitch of ¼" per foot for all horizontal runs. Pitch toward the appliance or a drain fitting.



Hart & Cooley, Inc. 616.656.8200 p
5030 Corporate Exchange Blvd. SE 616.656.6399 f
Grand Rapids, MI 49512
info@hartcool.com
www.hartandcooley.com