

# Crawl Space / Foundation Vent

**READ OWNERS INSTRUCTIONS CAREFULLY BEFORE INSTALLATION**

## Description

Advantage Vents are designed to enhance the ventilation underneath homes & corridors. Exhausts moisture, stale air, and foul odor from your crawl space, preventing mold, mildew and wood rot. When closed during the cold winter, it completely seals the opening from the elements and keeps your floor warm while lowering your heating bills.

## General information

Advantage Vents are passed through factory functional testing and should be free from defects. If there is any damage on packing box or item, please notify distributor immediately that we can file a damage claim and send you a replacement.

Please email us to: [cs@AdvantageVent.com](mailto:cs@AdvantageVent.com) if you need any assistance.

**CAUTION:** For general home ventilation use only. Not for industrial or exhausting hazardous gases use.

**WARNING:** To avoid risk of fire or electric shock, do NOT use with any solid-state speed control devices.

## Sizing Foundation Vents

Whenever possible, foundation vents should be placed on all sides of the foundation. This will create an intake/exhaust system that delivers a steady flow of air. The International Residential Code (IRC) require 1 square foot of net vent area for every 150 square feet of crawl space. Generally, one vent for every 75 square feet of crawl space.

For crawlspaces with an approved vapor barrier installed on the floor, and the vents situated within 3 feet of each corner of the building, the ventilation requirement changes to 1 square feet of ventilation for every 1,500 square feet of crawlspace.

Powered foundation vents are designed for foundations that require a higher rate of airflow and for areas that are difficult to vent.

To determine the correct number of powered foundation vents use the following formula:

1. Multiply the Length x Width of crawlspace by the Height in feet.
2. Divide the cubical space number by 15 min to get the minimum required air-flow CFM
3. Install non-powered foundation vents on one side of the crawlspace to provide intake air for the powered foundation vents.

Example: 25'x30'x3' of the crawl space = 2250 cubic feet, then, divided by 15 min = 150 CMF  
In this example one power vent CPV1608 - 160 CFM is required.

## Required for installation

- Safety Glasses,
- Gloves,
- Shims,
- Tape Measure,
- Low-Expanding Foam for Windows, Silicone Sealant or Mortar
- Grounding outlet within a 5 feet of vent location is required for power vent (CPV1608)

## Installation instructions for Advantage Vent

Please contact Advantage Mfg. ([cs@AdvantageVent.com](mailto:cs@AdvantageVent.com)) if you have any questions on installation. When installing power vent (CPV1608 or CPV1608FC) keep the power source disconnected before and during the installation and maintenance.

**NOTE:** Install Advantage Vent from outside of the crawl space, with sash door that opens to outside and latch on the bottom. When vent is open it creates a small awning-style cover over the vent opening.

- Step 1. Measure the width and height of the vent opening. Most foundation vent openings are 16 inches wide by 8 inches high. Make sure the Vent fits into the opening.
- Step 2. Remove the old vent and clean the edges of the vent opening.
- Step 3. Place the vent in the opening, making sure that the latch is on the bottom. Put 2 wood shims underneath the vent, approx. 2 inches from both sides of the vent, place 1 more shim on top and center of vent and push until it is snug. Do not force the shims into place.
- Step 4. Check for plumbness (straight up and down), level and ensure that the space between the opening and the Vent is even on all sides.
- Step 5. Make adjustments with shims if needed. When everything is right, cut shims evenly with Vent frame.
- Step 6. Apply low-expanding foam for Window & Door, Silicone, or Mortar into the gaps around the Vent. Don't overfill the gaps.
- Step 7. If expanding foam has been used - caulk the Vent to complete the installation.

## LIMITED LIFETIME WARRANTY

Advantage Vents manufactured by Advantage Manufacturing Inc. are warranted from their production date, to be free of any defects in material and workmanship occurring as a direct result of the manufacturing process, specific to the structural parts and mechanical components, under normal use and service.

This warranty does not include defects attributable to improper installation, normal weathering, or defects and/or damages caused by: accidents, fire, flood or other Acts of God, by vandalism, harmful liquids, fumes, vapors or chemical pollutants in the atmosphere, mildew, building settlement or structural failure of walls or foundations, or if subject to stresses from localized heat which causes excessive temperature differential or any other causes or occurrences beyond Advantage Mfg. control.

### POWER VENT UNIT WARRANTY (Model CPV1608 & CPV1608FC)

Advantage Manufacturing Inc. warrants Power Vent Unit for a period of one year from the date of sale to be free from defects in material and workmanship.

Any products which prove to be defective during the warranty period will be repaired or replaced at our option when returned to our factory, shipping prepaid. Advantage Manufacturing Inc. will not be responsible for any installation or removal costs, any consequential damages or other costs.

For assistance, please contact us [cs@AdvantageVent.com](mailto:cs@AdvantageVent.com) with your Order#, Product# and Date of purchase.