



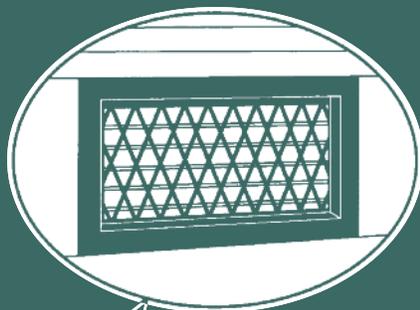
FOUNDATION VENTILATION SYSTEMS
FOR MOISTURE AND TERMITE CONTROL

Help Protect Foundations with Temp-Vent

The foundation is critical to the integrity of the home. That's why foundation ventilation is crucial. Unventilated foundations are subject to built-up moisture that can cause damp rot and eventually lead to costly damage. Temp-Vent foundation ventilation systems help protect this critical area of the home. What's more, ventilation can rid houses of other harmful conditions that could lead to problems including mold, mildew, fungi and unhealthy air.

But there's more. If there's one thing termites are attracted to, it's warm, moist, dead air environments such as those found under houses in crawlspaces or unfinished basements. Termites need moisture as a food source. Temp-Vent foundation vents work to provide ventilation that can reduce moisture in these areas, which helps control termites, that can damage the structure.

With Temp-Vent's complete line of easy-to-install foundation ventilation products, you can offer customers help in a total, long-term solution to termites and other moisture-damage problems as part of your total service package.



Designed for the pest management professional, Temp-Vent foundation vents help control moisture buildup and termites in crawlspaces.



TEMP-VENT®

Specifying Temp-Vent Products

When you recommend Temp-Vent foundation ventilation products to reduce moisture, you can install automatic, non-powered or electrical powered ventilators.

Specifying a Temp-Vent foundation vent system is simple. All ventilators are sized to fit 8" x 16" standard block openings with 1" outside frame on each of four sides. However, the design of the system and the number of vents required are different for powered and non-powered vents.

Automatic Foundation Vents

The non-powered Automatic Foundation Vent will open and close automatically using a temperature sensitive coil. The louvers open completely at approximately 70°F and close completely at approximately 40°F. Unlike manual vents that can waste energy when no one remembers to open or close them, these vents self-adjust all year long to minimize moisture and help prevent damage from termites, mildew and other factors.

To Specify:

Whenever possible, vents should be placed on all sides of the foundation. This will create an intake/exhaust system that delivers a steady flow of air.

Most building codes require one square foot of open ventilation area for every 150 square feet of crawlspace with one vent placed within three feet of each corner of the building.

Temp-Vent Automatic Foundation Vents have 50 inches of net free area per vent. Therefore, you should install **one vent for every 50 square feet of crawlspace to satisfy the 1/150 code requirement.**

For crawlspaces with a vapor retarder installed on 100% of the floor, the ventilation requirement changes to one square foot of ventilation for every 1500 square feet of crawlspace with a minimum of four vents installed to provide cross ventilation. Another way of looking at this, for crawlspaces with a vapor retarder, install at least **one vent for every 500 feet of crawlspace** to satisfy the 1/1500 code requirement.

Powered Foundation Vents

Powered Temp-Vent systems are designed for difficult moisture problems. These systems can move a larger amount of air per hour. Temp-Vent recommends powered vents be fitted with a Thermostat and a Humidistat to control the vent.

To Specify:

To determine the correct number of Powered Foundation Vents use the following formula:

- 1) Multiply the square feet of the crawlspace by the height in feet. This gives the number of cubic feet in the crawlspace.
- 2) Multiply the cubic feet in the crawlspace by the number of air changes per hour desired (4-6 is the recommendation). This gives the total number of cubic feet of air that has to be moved per hour to produce the desired number of air changes.
- 3) Divide this number by either 7,200 or 11,160 — depending on which model is being used — to obtain the number of powered vents needed.
- 4) Install vents to provide air intake on one side of the foundation with the powered vents on the other side to create a system of intake and exhaust.

Example: 1500 square foot crawlspace x 3 feet high = 4500
4500 cubic feet x 6 = 27,000 / 7,200 = 3.74

Install four Quiet Model powered vents with intake vents on the opposite side.

Powered Foundation Vents



Series 6



Series 5



Radon Model

Series 5 and Series 6 Models

For homes with problems, Temp-Vent Powered Foundation Vents are the ideal choice. Powered vents are quick, convenient and economical when it comes to helping to solve moisture, mold and odor problems. Easy to install in standard 8" x 16" block openings, no mortar is required. Each unit is low voltage so no electrician is required in most situations. Air is suctioned out of the crawlspace and replaced with fresh outside air. Negative pressure helps prevent dampness and odor from rising into living areas of the home.

Totally enclosed motors feature a custom plug and are 0.01 HP rated (Quiet Model) or 0.017 HP rated (High Output Model) for continuous operation. These motors are 24VAC.

Series 6 is a one-piece vent and Series 5 vents have a removable front frame that can be snapped on after installation.

Power vents should be placed on one side of the house, with non-powered vents that act as intake vents on all remaining sides. **The controls kit is required and sold separately. It can operate up to three power vents.**

The Temp-Vent Radon Model

The Powered Temp-Vent Radon Model uses positive pressure ventilation to help remove potentially harmful radon from the crawlspace before it creeps into the home. It also reduces radon emission from the soil in the crawlspace.

Description	Specifications	Model	Colors
Series 6, High Output	3000 rpm 1.0 amps, 24 volts 11,160 cubic ft./hr.	TV6LVHPBL	Black
Series 6, Quiet	1550 rpm .9 amps, 24 volts 7,200 cubic ft./hr.	TV6LVQPBL	Black
Series 5, High Output removable front frame	3000 rpm 1.0 amps, 24 volts 11,160 cubic ft./hr.	TV5LVHPBL	Black
Series 5, Quiet removable front frame	1550 rpm .9 amps, 24 volts 7,200 cubic ft./hr.	TV5LVQPBL	Black
Radon Model			
Radon Quiet (No Control Kit Required)	1550 rpm .5 amps, 115 volts 7,200 cubic ft./hr.	PRQM	Black

Powered Foundation Vent Accessories

Controls Kit

Controls Kit includes Damp Weather Shutoff, Humidistat, Power Supply Unit and Control Cables. The Controls Kit is required on Series 5 and Series 6 Models and is sold separately.

Damp Weather Shutoff

Thermostat: The Thermostat is mounted near an intake vent opposite the side where the power vent is mounted and is set at approximately 40° F, the Thermostat turns the unit off when the crawlspace temperature drops below the setting. Normally, when the temperature outside is at 40° F the temperature in the crawlspace is approximately 50° F. The Thermostat helps protect pipes and save energy by turning the vent off when the temperature is close to freezing.

Damp Weather Humidistat: The Damp Weather Humidistat is in the same enclosure as the thermostat and mounted near an intake vent. Powered vents stay on when the humidity is below the setting. The vents shuts off when the outside humidity rises above the setting or if there is a quick rise in humidity, such as when it starts to rain.



DWS



LVHU

Description	Model
Thermostat/Humidistat w/built-in plug	DWS

Humidistat

The Humidistat turns the unit on when the humidity in the crawlspace rises above a pre-set limit, usually at 50% humidity.

Description	Model
Humidistat	LVHU

Power Supply Unit



The Power Supply Unit is UL listed and features a three prong plug. It has 24VAC outputs to operate up to three Power Vents and two additional receptacles to accommodate the Damp Weather Shutoff and the Humidistat.



LVPW

Description	Model
Power Supply Unit	LVPW

Control Cables

There are two 25 foot Control Cables which are used to attach the Damp Weather Shutoff and the Humidistat to the Power Supply Unit.



LVCBL

Description	Model
Control Cables	LVCBL

Duct System

The Powered Temp-Vent Duct System is ideal for homes with difficult-to-ventilate situations including:

- Porch areas
- Obstructed, divided or unusually shaped crawlspaces
- Interior walls in crawlspaces or weeping foundation walls
- Heating, air conditioning or water heater obstructions
- Special condensation areas

The Duct Adapter attaches to a powered vent. Then the Flexible Duct is attached to the Adapter and positioned to provide targeted ventilation, pulling moist air through the Duct and exhausting it outside.



Flexible Duct and Adapter

Description	Model
Flexible Duct 25' section w/one roll of tape	DU
Duct Adapter	AD-1

Automatic Foundation Vents

Automatic Foundation Vents take the worry out of remembering to open and close vents as the weather changes, so the home can be protected from decay. The vent has a bi-metal coil to open and close automatically without electricity. When the temperature reaches approximately 70°F, the vent is fully opened to provide fresh intake air, and fully closes at approximately 40°F to conserve energy and protect pipes. These vents are easily installed using screws, or screw anchors, or with retaining clips. Both are included with the vents. No mortar is required for installation.



Series 6



Series 5 with oversized frame

Temp-Vent Automatic Foundation Vents Features:

- A heavy-duty coil for dependable operation
- 8" x 16" to fit into a standard block opening
- Net free area of 50 square inches
- Removable back for easy cleaning and maintenance
- Optional 5" x 13" vent for smaller openings (fits between 16" OC floor joists)

The Series 6 vents are one piece, while the Series 5 vents have a removable front frame (in addition to the removable back) that can be snapped on after installation. Series 5 is also available with a 2-inch oversized frame.

Description	Model	Colors
Temp-Vent Series 6	TV6	black, brown, gray
Temp-Vent Series 5 - with removable front frame	TV5	black, brown, gray
Temp-Vent Series 5 - with oversized frame	TV5-OSF	black, brown, gray
Solar Tek II - 5" x 13" vent	ST2GR-J	gray only

Installation Tips: Non-Powered Foundation Vents

- For proper ventilation, one vent should be installed every 8-10 feet.
- Avoid dead air spaces by placing a vent within 3 feet of each corner.
- A minimum of four vents are required to provide cross-ventilation.
- Trim shrubbery and remove obstructions from in front of the vent to allow air to flow freely.

Manual Replacement Vent

Manual Foundation Vents must be manually opened in warmer months to provide ventilation and closed in cold weather to guard against pipe freeze. The Manual Replacement Vent is the same vent as the Temp-Vent Automatic Foundation Vent with no automatic coil; therefore it requires manual operation.

Description	Model	Colors
Manual Replacement Vent	RM	black, brown

Other Temp-Vent Products

Vent Well

The Vent Well from Temp-Vent provides air space for below grade foundation vents and helps keep water away from the crawlspace. With its sturdy, no-rust thermoplastic construction, it is an attractive alternative to unsightly, rusted and sharp-edge metal vent wells. The unit measures 21" wide by 14" high and 12" deep.



Description	Model	Colors
Vent Well	VW	black, brown, gray

Temp-Vent products are designed for the pest management professional. In fact, Temp-Vent is the only brand of foundation vents designed for and dedicated to serving the pest control industry. With our commitment and your knowledge of both termite and moisture control, customers will readily see the value of having a Temp-Vent foundation vent system installed.

TEMP-VENT®

TV

TEMP-VENT®



4117 Pinnacle Point Drive, Suite 400
Dallas, TX 75211

Customer Service
1-800-525-3271

Fax
1-800-635-7006

www.tempvent.com



A GIBRALTAR INDUSTRIES COMPANY 

TV202 9/13 ©2013 Temp-Vent Corporation