



Lomanco, Inc.

Crawlspace Protection Plan

***Prevent this from
happening to you.***

available at: www.hvacquick.com





Crawlspace ventilation should not be overlooked.

A properly installed crawlspace ventilation system will provide moisture control. This will help eliminate environments favorable to not only mold and mildew, but also termites and other insect populations.

TERMITE DAMAGE IS NOT COVERED BY MOST HOMEOWNERS INSURANCE POLICIES AND CAN GO UNDETECTED FOR YEARS.



PESTS SUCH AS TERMITES, WOOD BORING BEETLES AND OTHER COMMON INSECTS THRIVE IN MOISTURE RICH ENVIRONMENTS. PEST MANAGEMENT STRATEGIES ALL CONSIDER THE FIRST LINE OF DEFENSE TO BE PREVENTION.

Damage occurring from excess moisture can be extreme and devastating. Controlling moisture in your homes crawlspace is critical to preventing serious problems from occurring.

Inspect for signs of these common problems that are associated with un-ventilated and neglected crawlspaces and foundations.

- Warping floors.
- Cracking foundation.
- Wood rot (causing structural damage) can be detected by a show of sagging wood.
- Mold and mildew created by high moisture levels under the home spread fungus spores that cause odors and increase symptoms of allergies, asthma and hay fever.
- Damp insulation.
- Mildew on floors and carpets.
- Wood destroying pests such as termites thrive in areas with high moisture content.
- High moisture can actually be detected by a smell like a musty odor.
- Moisture content readings of 20% or above indicate that you have a moisture problem .

Solutions, Suggestions and prevention for planning your crawlspace's ventilation.



- Wrap any sweating pipes with insulation and make sure that none are leaking in the crawlspace.
- Keep downspouts, gutters and sprinkler systems away from the foundation
- Keep bushes and shrubs trimmed away from the walls
- Properly ventilated foundations will aid in eliminating air quality and structural worries that trapped moisture under the home causes
- Eliminate causes of excess moisture in addition to the controlling of normal moisture buildup
- Repair leaking faucets, water pipes, and a/c units
- Seal entry points around water and utility lines or pipes
- Pick your foundation ventilation type. You can use either **PASSIVE** or **POWERED**.

Passive consists of the air flow from one vent through the other.

When there is a more serious moisture problem, **POWERED** crawlspace vents are used. These vents have an electric fan to aid in drying out the area.

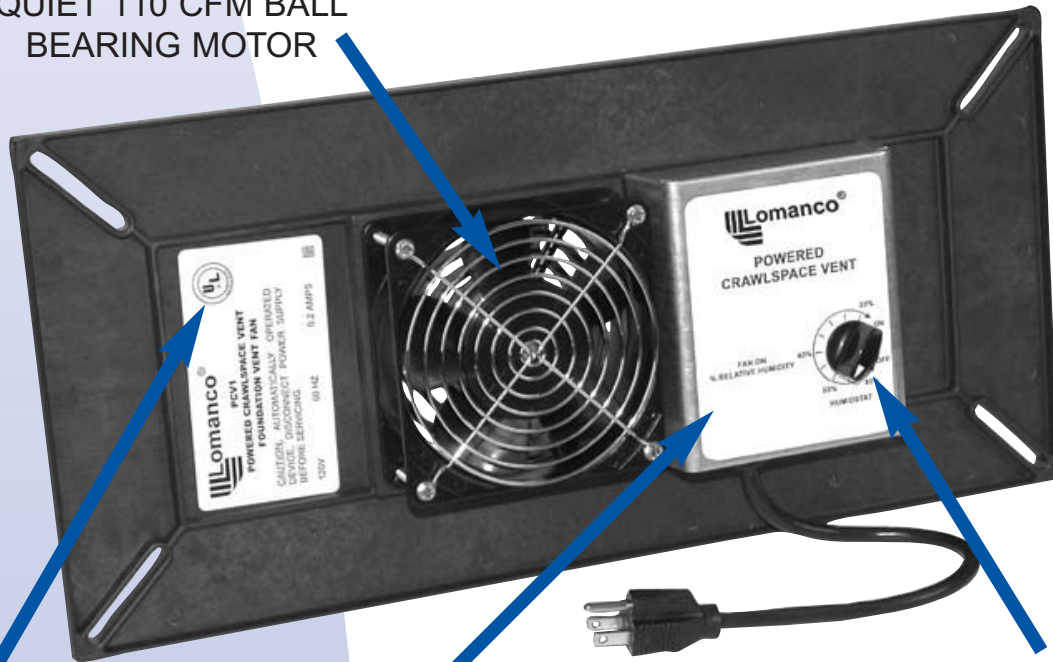
BY INSTALLING THE LOMANCO POWERED CRAWLSPACE VENT IN CRAWLSPACE'S AND AREAS WITH EXCESS MOISTURE - YOU CAN START ELIMINATING EXCESS MOISTURE AND HELP DESTROY THE ENVIRONMENT NECESSARY FOR MOLD, MILDEW, TERMITES AND OTHER PESTS SURVIVAL.



Lomanco's PCV1

Powered Crawlspace Vent

QUIET 110 CFM BALL
BEARING MOTOR

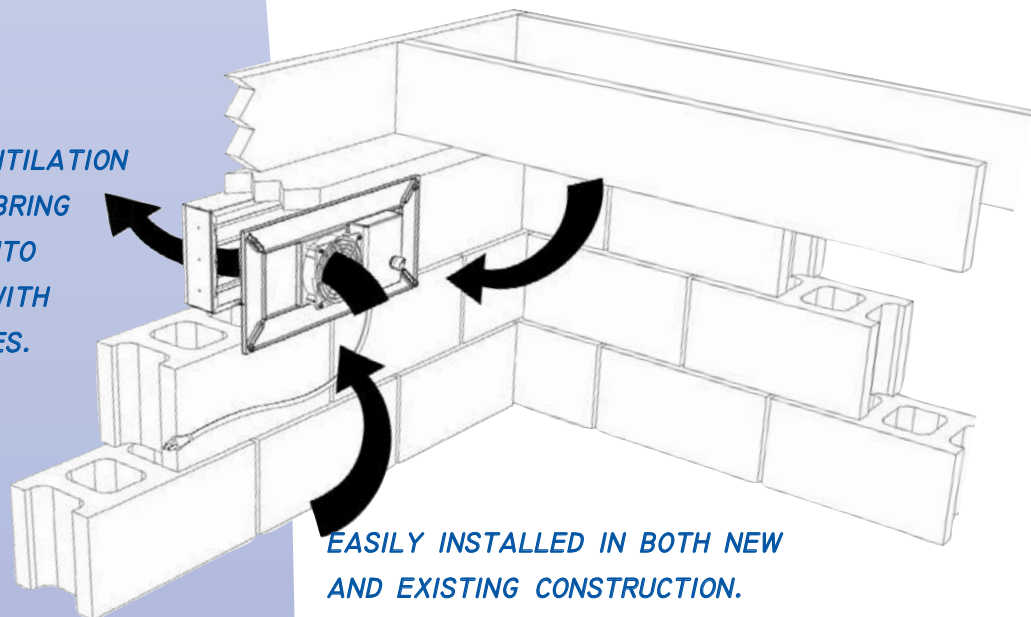


U.L.
APPROVED
MEANS
ASSURED
SAFETY

Thermostat Shuts Fan Off at
Low Temperatures

Humidity Sensor

*ADDING A VENTILATION
SYSTEM CAN BRING
YOUR HOME INTO
COMPLIANCE WITH
BUILDING CODES.*



*EASILY INSTALLED IN BOTH NEW
AND EXISTING CONSTRUCTION.*

Features and Specifications



- Quiet 110 Cfm Ball Bearing Motor
- Super Tough Polypropylene Construction
- Dries Crawlspace Gradually
- Humidity Sensor For Worry Free Operation
- Thermostat Shuts Fan Off At Low Temperatures
- U.L. Approved Means Assured Safety
- Can Help Stop Mold Growth
- Upgrades Your Present Foundation Vent
- Easy Installation In A Variety Of Constructions
- Mounts Behind Foundation Vent For Invisible Operation
- Quick And Simple Solution For Underventilated crawlspace's
- One Year Limited Warranty

Model PCV1 Powered Crawlspace Vent Specifications				
Overall Size (in.)	Opening Size (in.)	Cubic Feet Vent Ventilates	Number Per Carton	Weight Per Carton (lbs.)
9 x 19 x 3	8 x 16	1650	6	27¼

LOMANCO'S PCV1 CAN PLAY A SIGNIFICANT ROLL IN YOUR TERMITE AND PEST CONTROL STRATEGIES IN BOTH PREVENTION AND TREATMENT. THE PCV1 IS EASILY INSTALLED IN BOTH NEW AND EXISTING CONSTRUCTION.



PCV1 - INSTALLATION

MOST PESTS SUCH AS TERMITES THRIVE IN THESE MOISTURE RICH ENVIRONMENTS. SO YOUR FIRST LINE OF PREVENTION SHOULD BE TO ELIMINATE THE MOISTURE AND DESTROY THEIR HABITAT.

- National codes require 1 square foot of free area in the foundation for every 150 square feet of crawlspace area. Most homes do not meet the criteria. The Lomanco Powered Crawlspace Vent will assist with the air movement in an under ventilated home by providing 110 CFM.
- The fan is controlled by a de-humidistat which will operate the fan if the relative humidity is above the set point. The fan also has a built in thermostat, which will shut the fan off if the temperature is below 40° F. The fan will operate if the temperature is above 50° F and the de-humidistat is in the closed position. This unit has been preset at 60% RH.

To aid natural crawlspace ventilation, mechanical ventilation should exchange the crawlspace air at least four times an hour or every 15 minutes. To determine this, multiply the square footage of the crawlspace by the height to calculate the cubic feet of the crawlspace and then divide by 15 to determine the CFM needed.

EXAMPLE:

Home with 1500 square foot crawlspace 2 feet tall.

$$(1500) (2) = 3000 \text{ cubic feet}$$

$$3000 / 15 = 200 \text{ cfm required}$$

Each fan provides 110 CFM so one should use two fans.

Use this chart to determine how many PCV1's are required to ventilate your crawlspace.

Determine how many PCV-1's you require.								
Home SQ. Feet	Crawlspace Height in feet							
	1	2	3	4	5	6	7	8
1000	1	1	2	3	3	4	4	5
1500	1	2	3	4	5	6	7	8
2000	2	3	4	5	6	7	9	10
2500	2	3	5	6	8	9	11	12
3000	2	4	6	7	9	11	13	15
3500	3	5	7	9	11	13	15	17

Your Crawlspace Deserves Your Attention.



Just because you do not visit your crawlspace as often as you do other parts of your home does not mean that it shouldn't be inspected periodically.



Damage can occur from moisture penetration from various sources such as toilet leaks, irrigation systems, as well as just plain old rain water. Unfortunately some drainage systems are sloped toward the foundation without realizing the future problems that this may cause.



Standing water creates excessive humidity. Unless this is removed and the area kept dry your foundation will start to deteriorate and thus move up into other areas and continue the deterioration process. Mold and mildew are common occurrences

in these moisture rich environments.

Without proper ventilation, moisture from the ground and other sources can create a favorable environment for insects mold, mildew and rot.



AMERICANS SPEND MORE THAN \$2.5 BILLION EACH YEAR DEALING WITH TERMITES AND REPAIRING THE DAMAGE THEY CAUSE.

TERMITES ARE KNOWN TO BE FOUND THROUGHOUT MOST OF NORTH AMERICA.

EACH YEAR TERMITES CAUSE MORE DAMAGE TO HOMES THAN TORNADOES, HURRICANES, FLOODS, AND FIRES COMBINED.