Eliminator

Foundation Vent Fan

BENEFITS

The Eliminator Foundation Vent Fan is a powerful fan meticulously crafted to promote air circulation within a residential or commercial crawl space. Its primary objectives are to eliminate the presence of cancer-inducing radon gas and to curtail moisture levels, preventing mold growth and termite infestation. This fan is equipped with an automated function, triggered when the temperature surpasses 50°F. Additionally, an optional de-humidistat can engage the fan when humidity exceeds a user-defined threshold (ranging from 20% to 80%), working in tandem with the integrated temperature control system.

FEATURES

- Helps eliminate radon gas from your home or building by circulating fresh air
- Moisture Reduction
- Automatic Temperature Activation
- Optional De-Humidistat
- Installs Easily
- Keep your home, office, or building safe from rotting support columns, joists, floors, and beam supports

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WHAT IS A CRAWL SPACE FAN?

A crawl space fan serves the purpose of ensuring proper ventilation beneath homes and porches. Its primary function is to maintain a healthy environment by addressing excessive humidity levels, which can lead to various issues such as premature deterioration of support structures like columns, joists, floors, and beam supports. Futhermore, high humidity can foster the growth of fungi and increase termite activity while also contributing to plumbing problems through rust and corrosion.

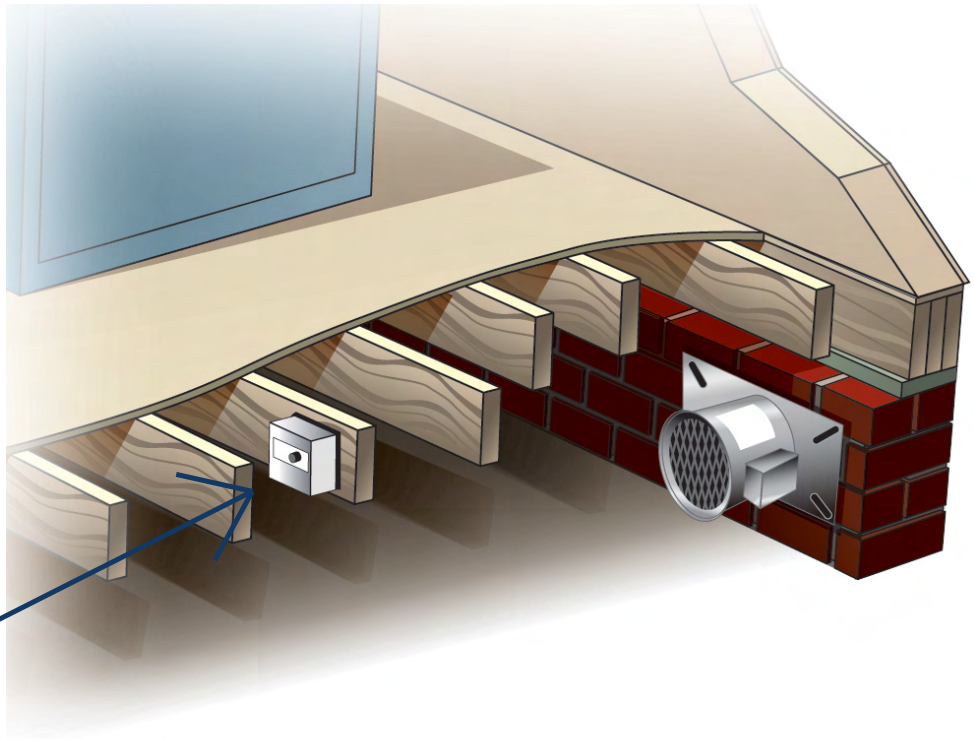
Constantly operating a crawl space fan has additional benefits, including venting radon gases, adddressing the off-gassing of treated wood, and eliminating other unwanted odors that may migrate into the living areas of a home.

RADON GAS: A GLOBAL IAQ CONCERN

Radon, a stealthy radioactive gas, lurks beneath the surface, silently impacting indoor air quality on a global scale. This hazardous substance ranks as the second most prevalent cause of lung cancer within the United State. Shockingly, one out of every fifteen homes across the nation harbors elevated levels of this insidious threat. Don't let radon go undetected - protect your home and loved ones from its far-reaching health risks.

Installed behind existing vent

Optional De-Humidistat



Note: The de-humidistat is designed to be installed remotely, so it can be placed in the crawl space where moisture is most likely to accumulate.

MOLD

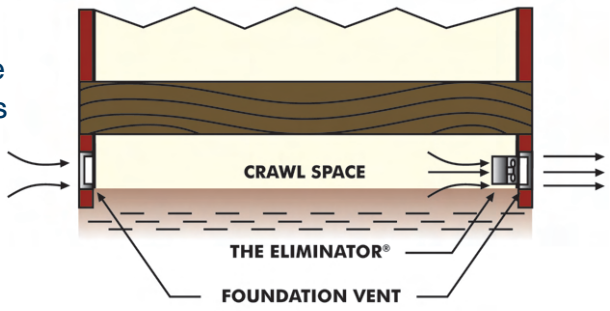
A study conducted by the Mayo Clinic has revealed that a signification proportion of chronic sinus infection can be attributed to mold exposure. Considering that as much as 40% of the air we inhale within our homes originates from the crawl space, the presence of mold in this area directly translates to mold within our living spaces. To mitigate the risk of mold formation, the EPA recommends maintaining humidity levels in the crawl space within the range of 40% to 50%.

MOISTURE

Excessive moisture within a crawl space can trigger a cascade of serious issues. Notably, it can foster the development of mold, elevate the risk of termite infestations, and significantly increase the potential for not affecting critical components like floor joists, cross members, and sub-flooring. The optimal moisture level within wood should ideally remain below 20%, yet in regions with high humidity, this figure can effortlessly surpass 30%.

HOW THE ELIMINATOR WORKS

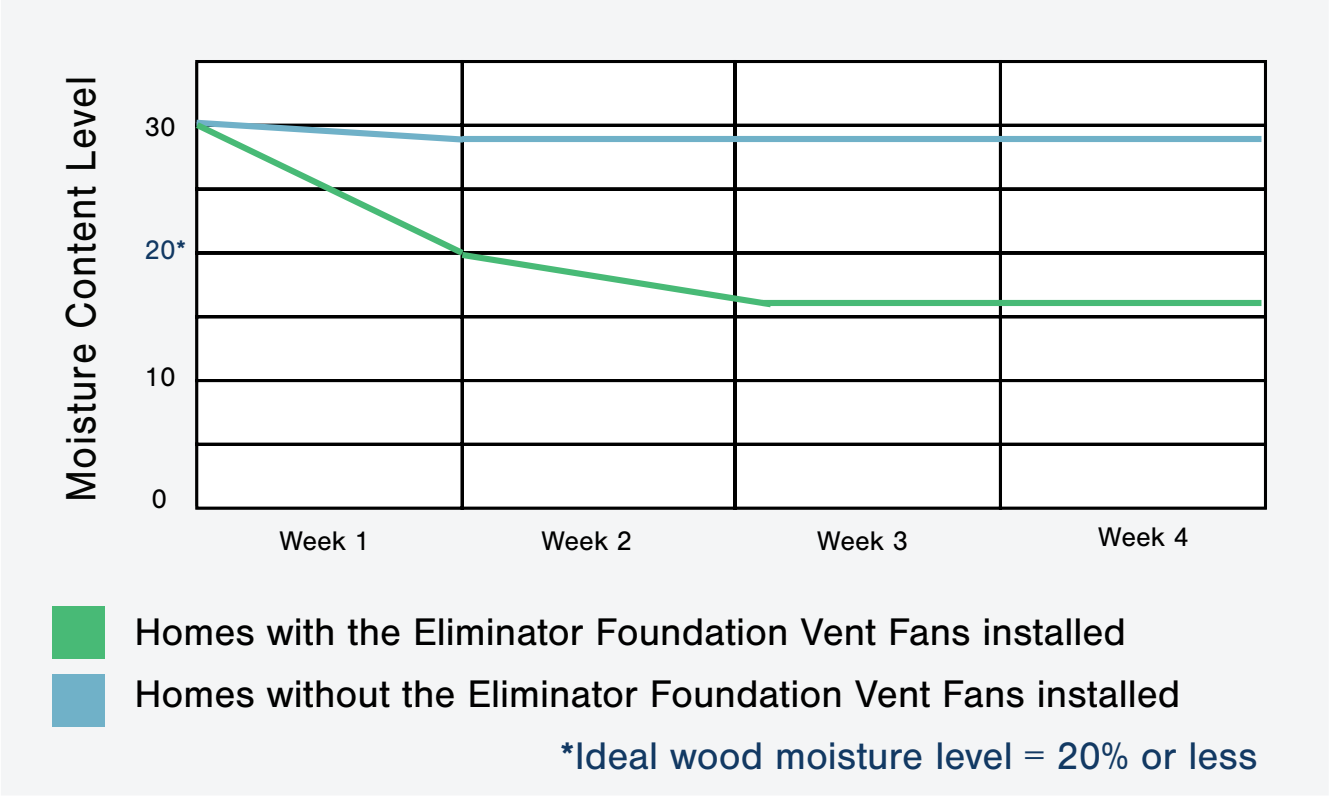
The Eliminator is attached to any standard foundation vent, and then wired to a 120v source. The optional de-humidistat is placed in the center of the crawl space area. When the temperature in the crawl space exceeds 50°F and/or when humidity exceeds the de-humidistat setting, the Eliminator will engage. Moist air and radon gases are pulled from the crawl space and replaced with fresh, outside air. When the thermostat of de-humidistat are satisfied, the Eliminator will deactivate.



INDEPENDENT TEST RESULTS

Eliminator Foundation Vent Fans were installed in homes with high wood moisture content in the 28% to 30% range. Over a thirty day period, the moisture content was measured at weekly intervals. Homes with the Eliminator installed saw a reduction of moisture levels to as low as 16% and 17%. A wood moisture level of 20% or less is considered ideal. Homes without the Eliminator showed no reduction in moisture content.

"The Eliminator performed well, even under severe moisture problem conditions. The amount if air moved is sufficient to correct the problems present."
-Cliff Consulting
Columbia, SC



ELIMINATOR FOUNDATION VENT FAN SPECIFICATIONS								
Model	**Voltage**	**Amps**	**Cubic ft. per min.**	**Housing Material**	**Units Required**	**Temperature Switch Operation**	**De-humidistat (optional)**	**Mounting Plate Dimensions**
EL-1	120VAC	0.6	100 cfm	Galvanized Steel	1 per 1,000 sq. ft. of crawl space	Above 50°F	Above 50°F	Adjust from 20% - 80%