



WAVE VENTILATION



A Dry
Healthy
Home...

Starts Here!

*Optimum
Moisture Control
and Air Quality*





WAVE VENTILATION

solves year round problems generated from normal activities and conditions.



World Health Organization

"Occupants in damp buildings have a 75% greater risk of respiratory ailments and asthma"



EPA and Surgeon General
"Need moisture control and ventilation to reduce asthma, illnesses, respiratory ailments..."

MOISTURE PROBLEMS

BIOLOGICAL

Stagnant moist air nourishes biological growth of molds, bacteria, viruses, dust mites, roaches, termites.

MUSTY ODORS

A gaseous by-product of mold activity and evidence of undetected ongoing negative conditions.

WAVE VENTILATION EXPELS ODORS, REDUCES MOISTURE THAT NURTURES GROWTH OF BIOLOGICAL CONTAMINANTS

STRUCTURAL

Moisture saturates into wood, thereby rotting beams, flooring, doors and framing

CONDENSATION

Moisture condenses on cold surfaces- i.e. windows, pipes, ducts

WAVE VENTILATION EXTRACTS SATURATED MOISTURE AND CONDENSATION.

AIR QUALITY PROBLEMS

Normal activities, materials and products in the home generate harmful gases (i.e. radon, carbon monoxide), toxins and airborne pollutants. Home construction does not allow for expulsion of pollutants. The occupants are inhaling harmful levels of invisible and undetected contaminants.

WAVE VENTILATION CONTINUOUSLY EXPELS POLLUTANTS AND REPLACES IT WITH HEALTHIER AIR.

The Year Round **SOLUTION...**

A Healthy Dry Home is Easy as 1-2-3

A professionally installed unit naturally transforms the problematic areas by maximizing circulation and automatically maintaining it.

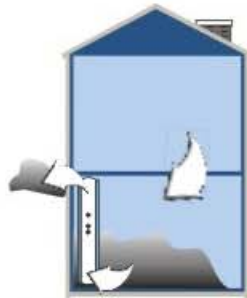
The whole house benefits:

- Year round moisture control
- Optimal Air Quality
- Healthy Environment
- Increased energy efficiency
- Protection from structural damage



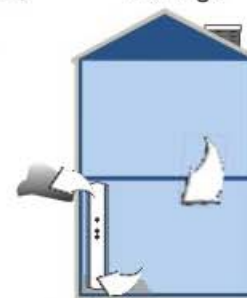
**1-
EXPEL**

the most stagnant damp polluted air from the lowest point where the problems are concentrated, along with the high level of combustion gases and radon. Pollutants that gravitate down and are absorbed by moisture will also be expelled. Unit focuses on the source of problems to cure conditions that work upwards into living areas.



**2-
REPLENISH**

with warmer, drier air from upper level to raise temperature and lower relative humidity. A fresher and healthier air supply from upper level dramatically improves air quality.



**3-
VENTILATE**

the entire area extracting absorbed moisture and condensation. Unit creates an air circulation in entire house to keep structure dry, preventing moisture stagnation and providing a healthy air supply. Continuous controlled ventilation will maintain dry healthy conditions.

ONE UNIT FOR A WHOLE HOUSE VENTILATION

WAVE VENTILATION *VERSUS DEHUMIDIFIER*

Maintenance Free, Easy Operation

No buckets of water to empty or filters to change.

Automatically Controlled, Efficient

Drier air requires less energy to both heat and cool which increases efficiency of the heating and air conditioning systems. One ventilation unit controls conditions in the entire house versus a dehumidifier with limited capacity.

Superior Air Quality

Expels natural buildup of harmful gases and toxins versus dehumidifiers that only recirculate stagnant polluted air.

SAVES-YOU-MONEY!

A dehumidifier would cost \$60 to \$120 a month in energy consumption, depending on wattage, compared to

\$300

a month for Wave Ventilation energy costs.

Basement Solution -



LED display and controls for efficient and easy operation

SENSOR CONTROL **BT**

Sensible ventilation without compromising energy efficiencies of the home.

■ *Computerized sensor evaluates the ventilation and replenishment process; continuously assessing the changes in relative humidity, temperature and overall trend patterns.*

■ *Reduces the ventilation rate when conditions are unfavorable and monitors trend changes in relative humidity. When the conditions resume to favorable trends the unit will automatically resume optimum ventilation for maximum results. All the while, it still operates at the lowest rate for healthy air exchange purposes.*

■ *Increases air exchange process when relative humidity is lower such as at nighttime and decreases when it is extremely hot and humid outside and the air conditioning is working at maximum.*

DIMENSIONS:
62" to 97" high - 11" wide x 7" deep

AIRFLOW RANGE:
40 cfm low to 230 cfm high

WATTS:
35

CAPACITY:
1800 sq ft Basement

CRAWL SPACE VENTILATION

The optimal solution to the problems naturally inherent in crawl spaces

Moisture and pollutants in your crawl space create conditions of mold, infestation, odors and rot that work their way upwards and make your house unhealthy, uncomfortable and at risk from structural damage.

The system consists of a ventilation unit expelling moist polluted air to the outside, a booster fan that draws drier healthier replenishment air from the upper levels, a unified dehumidistat control for both fans that keeps the air pressure in balance, a backdraft damper and flexible ducting for maximum circulation. This is a superior solution to foundation vents that introduce moisture and mold spores which aggravates the problem. Trying to seal the crawl space will not address indoor moisture accumulation from normal activities nor will it expel the harmful air contaminants.

The Wave system dramatically speeds the evaporation of moisture in the structure's walls, floors and beams. Keeping the structure dry will increase the efficiency of heating and cooling equipment.

The ventilation is controlled to run at peak efficiency when humidity levels are high until conditions become drier and more favorable. At other times, it continuously operates in maintenance mode at a low rate to keep moisture under control and to create a necessary air exchange throughout the entire house.

Reduce crawl space problems and your house will be healthier, drier and smelling fresh.



DIMENSIONS:

30"high , 11" wide x 7" deep

AIRFLOW RANGE:

Low 40 cfm High 180 cfm
Booster fan increases circulation in proportion to exhaust rate.

WATTS: 76

CAPACITY:

3,000 sq ft crawl space



**SLAB/APARTMENT/
CONDO MODEL**

Specifically Designed For Condos and Homes With No Basement

DIMENSIONS:

26"high x 13" wide x 4" deep

AIRFLOW RANGE:

40 cfm to 160 cfm

WATTS: 31

TESTIMONIALS

Wave ventilation units have been used in HUD housing, military bases, property management units, and public housing!



*"I had one of your units installed in my basement yesterday. I am **STUNNED** by the difference in my basement. I've had a dehumidifier running down there for almost twenty years without ever getting rid of the musty smell. After one day of running the unit, the smell is gone! Thank you."*

Thomas D. Fisher, CPA, LLC



"The Ventilation Unit you sold us far surpassed any expectations that we had. The mold in the corner of our windows and along the bottom of the basement wall has completely dried up, and the musty smell has disappeared."

Bill and Val



"The reason we decided to install a Ventilation Unit was due to our newborn son having severe asthma, and it seemed that nothing provided him relief. Our son has not been hospitalized since the unit was installed. Before that we were in the hospital every month."

Denise and Bill Kaiser



HOME VENTILATING INSTITUTE



WAVE HOME SOLUTIONS

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800-293-9577

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