

HUMIDEX Needs to Be in Every Home!

World Health Organization Report- 2009



World Health
Organization

WHO Guidelines for Indoor Air Quality- Dampness and Mold

<http://www.euro.who.int/document/e92645.pdf>

“Management of moisture requires proper control of temperatures and ventilation to avoid excess humidity, condensation on surfaces and excess moisture in materials. Ventilation should be distributed effectively throughout spaces and stagnant air zones should be avoided.

Occupants of damp or moldy buildings have up to a 75% greater risk of respiratory symptoms and asthma than occupants of buildings with better indoor air quality”.



Humidex Ventilation provides all of that and more:

- Reduces the levels of excess moisture in the coldest dampest areas- basements and crawl spaces that nourishes the growth of biological contaminants that permeates into all levels
- Replenishes it with warmer and drier air from upstairs which changes the relative humidity without the need for costly dehumidifiers
- Monitors the relative humidity and adjusts the ventilation rate automatically to achieve the optimal relative humidity levels
- Maximizes air flow over surfaces extracting moisture saturated in structure- floors, frames, wood and reduces condensation
- Circulates air flow over entire surfaces and draws in air from the entire level minimizing stagnation
- Expels the most polluted air with the heaviest concentrations of gases, chemicals, toxins
- Continuous ventilation creates an air exchange and air flow pattern throughout the house; providing a fresher healthier air supply
- Energy efficient- increases HVAC efficiency as it is less costly to heat or cool drier air and surfaces than damp ones. Uses less than 40 watts

HUMIDEX VERSUS DEHUMIDIFIER

MAINTENANCE FREE, EASY OPERATION

No buckets of water to empty or filters to change.

SUPERIOR AIR QUALITY

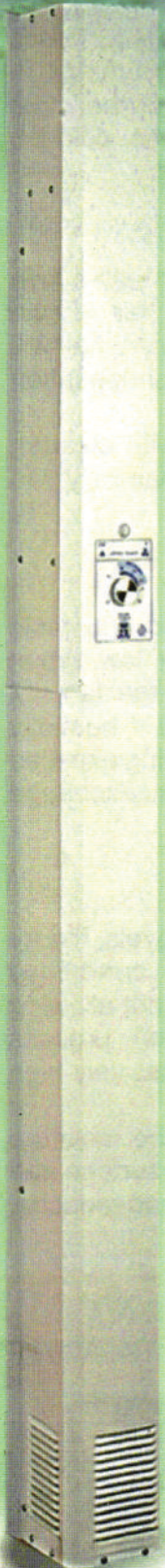
Expels natural buildup of harmful gases, toxins, and airborne pollutants; vs dehumidifiers that recirculate the same stale polluted air.

EFFICIENT

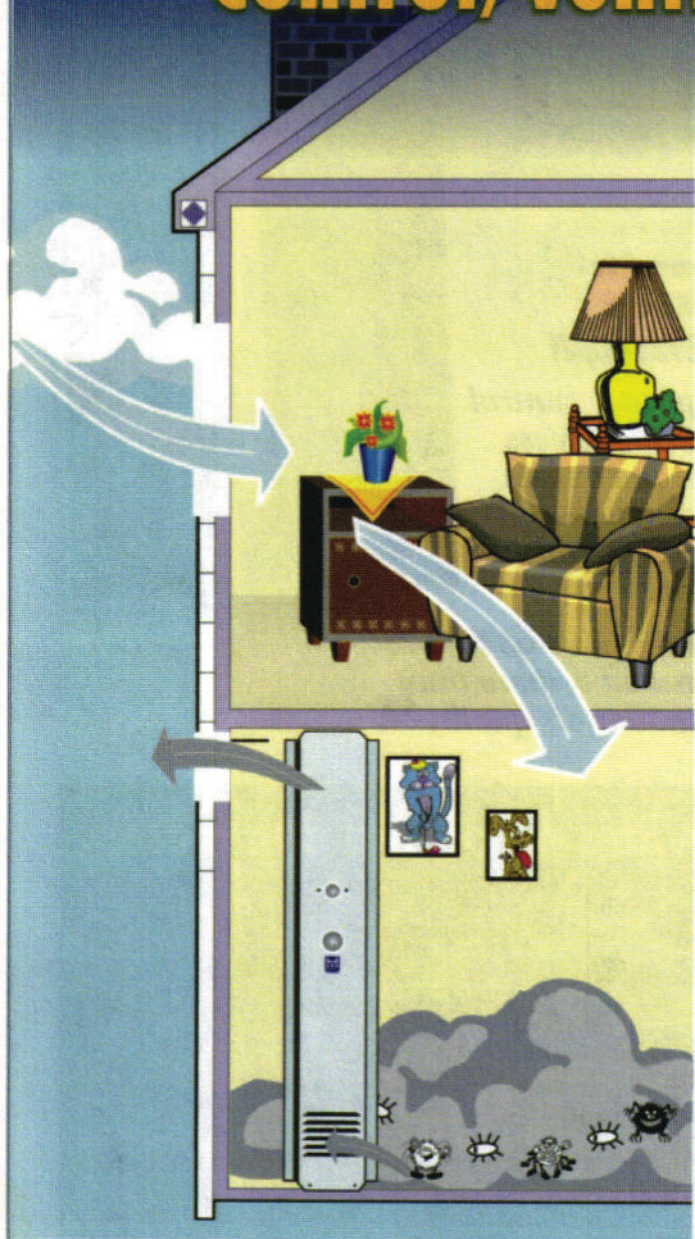
One Ventilation unit controls conditions in the entire house versus a dehumidifier with limited capacity.

ENERGY SAVINGS

Costs \$3 a month vs \$50+ a month for one dehumidifier.



How Does Humidex Moisture Control/Ventilation Unit Work?



STEP 1- EXPEL

Humidex draws in the stagnant, damp, contaminated air into the bottom vents and expels the entire air mass to the outside of the house through a 6" dedicated duct. This is the distinct uniqueness and effectiveness of Humidex; in that it is directing the effort to the source of the most problematic air in a house where it is the coldest, dampest and least ventilated area.

STEP 2- REPLENISH

This contaminated moist air is then replaced with a flow of relatively drier, warmer and fresher air drawn downward from the upper levels. The warmer drier air will lower the relative humidity and reduce the condensation on the basement surface.

The interior upstairs air is then replaced with cleaner, fresher outdoor air entering the home naturally via windows, doors, and cracks.

STEP 3- VENTILATE

The Humidex is automatically controlled by an adjustable dehumidistat that regulates the velocity of air flow. When the desired level of humidity is achieved, the fan will reduce speed and resume a higher speed if humidity level increases. The direct effect of the air being expelled and the replenishment flow of air creates an air exchange 6 to 10 times a day.

➔ RESULTS

In addition to reducing odors and humidity levels, the air movement reduces the environmental conditions conducive to mold and biological growth by not allowing the moist air to stagnate. The ventilation process removes gases and pollutants that are excessively high in the basement.

As the moisture is drawn off the surface, the moisture absorbed in the walls and floor comes to the surface and is then expelled, drying out the entire house and reducing structural damage.

Models:

- Basement
- Crawl space with replenishment booster fan, dampers and ducts
- Slab home/Condo apartment

Humidex constantly maintains a healthy dry environment, protecting the occupants and structure.

Moisture Pros
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