

It's a fact: today's homes are so well insulated that they trap moisture and pollutants inside. **Fresh air is missing.**

So, without fresh air, carbon dioxide, odors, dust, airborne pollutants and excess humidity **are kept indoors.**

**What happens?** More than half of the houses have **visible signs of moisture** and develop mold that affect the occupants not to mention all the health problems that result.

**Without ventilation,** there are no **indoor air quality inside the house, no life quality, no comfort and certainly, a deterioration of the structure of the house.**

Daily activities such as **showering or cooking** release moisture into the air. Over time, if this moisture cannot be evacuated, its **accumulation will cause mold build up, unpleasant odors and costly damages to the house** structure often in hidden places.

When discovered, it is already too late.

Ventilation in your home: a key to a healthy home.

**Ventilation is a necessity.** According to experts, whole-house ventilation and filtration effectively eliminate airborne pollutants and excess moisture, **thereby protecting the health of your family and the structure of your home.**

A balanced mechanical ventilation system with **heat or energy recovery ventilation** is an ideal way to meet both building codes and the requirements of many energy efficiency programs.

Because the houses are sealed, the air is laden with moisture and pollutants created from the daily activities of its inhabitants. The installation of an air exchanger inside the house will remove stale and polluted air from the house to the outside and replace it by an equivalence of fresh air. Generally, an air exchanger system installed properly will renew the air of all the important parts of the house.

Through a ductwork system installed in the walls; those ducts ending with fresh air distribution grilles and stale air exhaust grilles. Fresh air distribution grilles are located in each room of the house needing fresh air (which are, among others, bedrooms, kitchen and living room). The stale air to outside grilles are generally located at the highest level of the house, where the excess humidity and pollutants build-up.

The fresh air distribution and stale air exhaust ducts are connected to the air exchanger. To other ducts are also connected to the unit: one for gathering fresh air from outside

and the other one to exhaust the stale air to outside. The air exchanger manages the ventilation for the whole house.

In colder climates, where home heating is essential, the heat recovery ventilator (HRV) is the proper choice. The HRV keeps the home supplied with a steady flow of fresh outdoor air. As stale, warm air is expelled, the heat recovery core warms the incoming fresh, colder air before it is distributed throughout the home. The result is a constant supply of fresh air, no unpleasant drafts and greater home comfort. In addition to heat recovery and improved air quality, the HRV provides necessary ventilation while controlling excess humidity.

vänEE is a **symbol of quality** in the choice of an air exchanger. And this symbol of quality is the result of exemplary rigor in the development and certification of all our products.

Although several certification programs are mandatory, others rely on the goodwill of the company. vänEE wants to show that **all its products meet and exceed the requirements for market standards**. Complying with strict and rigorous programs, vänEE has become a symbol of quality by creating a **trusted brand widely recognized** and constituting a competitive advantage.

**vänEE has the largest selection of ENERGY STAR® products!**



ENERGY STAR® is the international symbol for energy efficiency. vänEE's air exchangers that display this certification have been tested according to prescribed procedures, demonstrating that they meet and exceed the standards for energy efficiency without compromising performance.