A breath of fresh air...

Passive Heat Recovery Ventilators
by NU-AIR Ventilation

A low cost HRV that works with any forced air heating system.
- Maintains indoor air quality
- Saves energy
- Improves comfort

Why today's buildings need fresh air

The improved design of today's homes has increased the energy efficiency of a house. The energy costs in our homes have been greatly reduced.

The quest for energy efficient houses has saved us energy costs but has created an environmental problem by trapping pollutants and humidity, which could be a threat to your family's health and comfort.

A better insulated house combined with energy efficient doors and window systems creates a cocoon thus trapping humidity, cooking odors, pet dander, cigarette smoke, chemical off-gassing of carpeting, furniture, building materials and plastics. This stale air could aggravate breathing problems like asthma and cause headaches and colds.

Humidity generated by cooking, laundry facilities, showers and occupants is trapped within the house causing the warm humid air to condense on cold surfaces like windows and walls. The moisture stains paint, corrodes plaster (encouraging the growth of mold) and may cause structural damage.

nu-air
Sustainability Through Innovation
How it works

A) The furnace fan draws fresh air into your home while an equal amount of stale, humid air is exhausted to the outside. This is Nu-Air’s balanced central ventilation system.

B) Incoming fresh air is filtered before flowing through the heat exchange core.

C) Stale, humid air flows through the cross-flow heat exchanger and transfers the heat to the incoming fresh air.

D) Warm, fresh air is distributed to each room of the house through the furnace duct system.

E) Automatic humidity control available with motorized damper (MD) option.

Nu-Air’s heat recovery exchanger operates automatically whenever the furnace circulation fan is on. Using energy in the exhaust air to heat the incoming air in the winter and cool it in the summer reduces operating costs.

The Nu-Air heat recovery exchanger reduces cost of ventilating your home and will condition the outdoor air for distribution through your forced air heating system without discomfort.

Lifetime core warranty

If any Nu-Air HRV core develops a leak or is perforated due to corrosion caused by normal use, Nu-Air will supply, FOB our plant, a replacement core at no charge. As well, Nu-Air Passive HRV’s have a ten (10) year warranty on the cabinet and two (2) years on all mechanical parts.