

# *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.

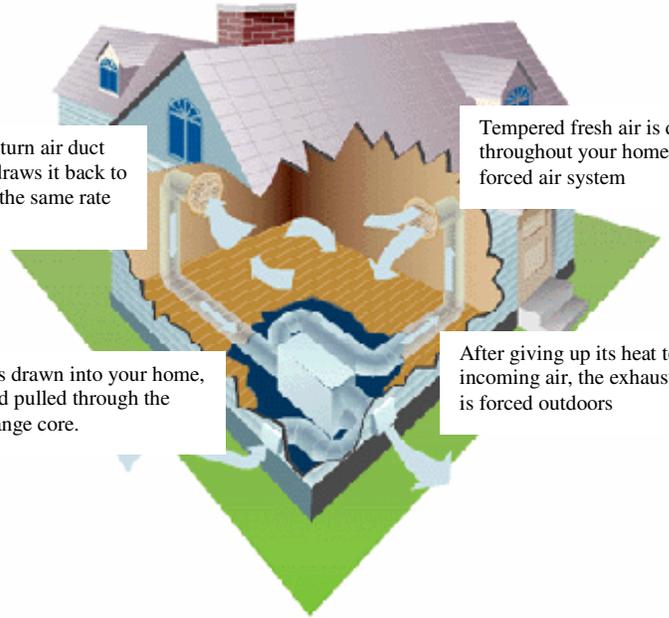
- ❖ Maintains indoor air quality
- ❖ Saves energy
- ❖ Improves comfort

The heating system return air duct collects stale air and draws it back to the heat exchanger at the same rate as incoming fresh air.

Tempered fresh air is distributed throughout your home by the forced air system

Fresh air is drawn into your home, filtered and pulled through the heat exchange core.

After giving up its heat to the incoming air, the exhaust air is forced outdoors



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.

## ***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.

  
Sustainability Through Innovation



## Specifications

	NU120 / NU120 MD
Cabinet Construction	Pre-painted Aluminum
Dimensions L x H x D	19 x 19 x 14.5
Weight (lb)	15 (poly core) 20 (aluminum)
Allowable Air Flow	200 cfm
Efficiency (ASE)	72%(poly core) 75%(aluminum)

## 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.

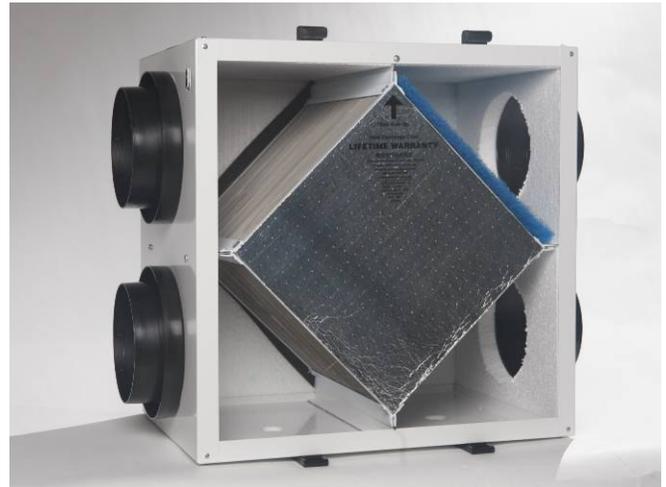
The Nu-Air heat recovery exchanger reduces cost of ventilating your home and will condition the outdoor air for distribution through your forced air heating system without discomfort.

### *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.

## *The Nu-Air Heat Recovery System*

- ❖ *Simple*
- ❖ *Low Installation Cost*
- ❖ *Energy Recovery*
- ❖ *Filtered Fresh Air*
- ❖ *Balanced System*
- ❖ *Corrosion Resistant*
- ❖ *Light Weight*



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