



RESIDENTIAL ENERGY RECOVERY



NEW



INSPIRAIR® FRESH

INTELLIGENT VENTILATION ERV

TECHNICAL DOCUMENTATION

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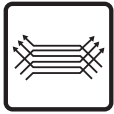
RESIDENTIAL ENERGY RECOVERY INSPIRAIR® FRESH

ENERGY EFFICIENT BALANCED VENTILATION

The new residential high-efficiency InspirAIR® Fresh Energy Recovery Ventilator quietly delivers fresh outdoor air with standard MERV8 filtration and over 75% heat-exchange efficiency. Designed around a new counterflow enthalpic core and EC motors that automatically adjust to changes in pressure and air pollutants, the InspirAIR® Fresh provides occupants with optimal IAQ and comfort. The InspirAIR® Fresh offers industry leading, energy-recovery performance while putting the emphasis on filtration and healthy air. Filters are easily exchangeable by opening the front access panel and residents have a choice of MERV8 or MERV13, while maintaining the same amount of airflow.

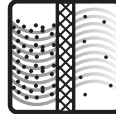
ENERGY EFFICIENT

75% SRE AT 0°C AND 64 CFM
COUNTER-FLOW ENTHALPIC CORE
EC MOTORS (OPTIONAL)



IAQ & COMFORT

STANDARD MERV 8 FILTRATION
QUIET COMFORT
MERV 13 (OPTIONAL)

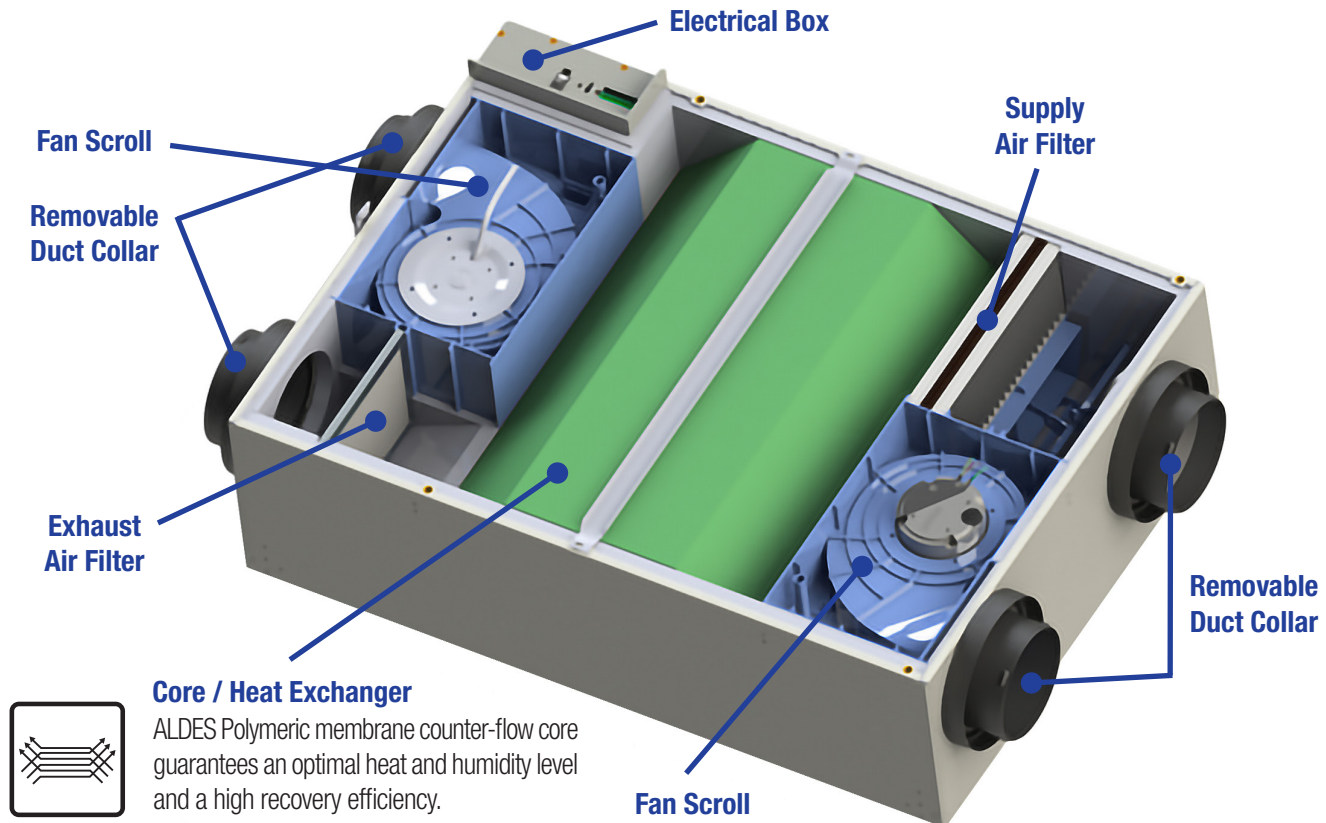


CONSTANT AIRFLOW

AUTO-BALANCED VENTILATION
EC MOTORS DELIVERS SAME AIRFLOW IN
A WIDE RANGE OF STATIC PRESSURE

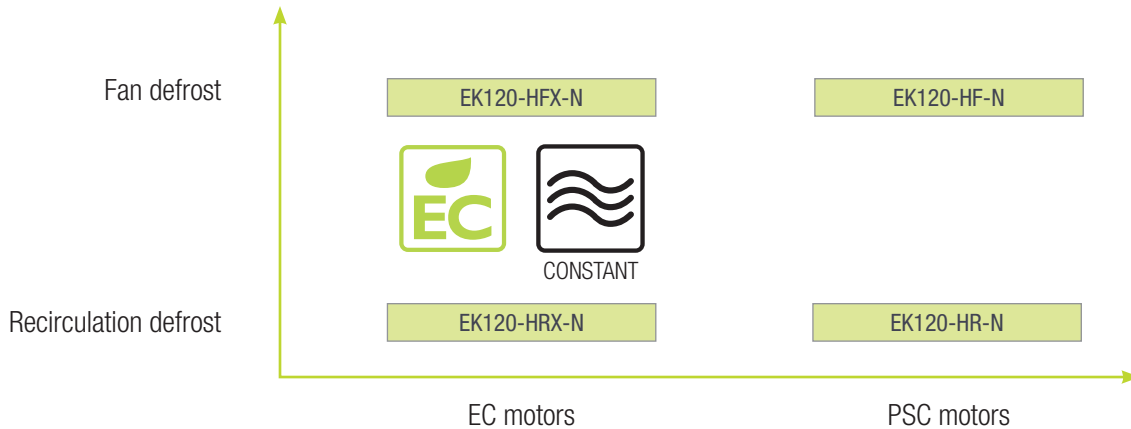


HIGH-PROFILE PERFORMANCE & LOW-PROFILE DESIGN



MODELS

Small spaces demand smart technology. With a height of 9 ¾ inches and no drain required, the InspirAIR® Fresh fits neatly into condos, apartments, and other multi-family dwellings. When it comes to installation, balancing becomes very simple with FLEXControl providing electronic calibration to airflow circuits eliminating the need for resistance-inducing balancing dampers plus our optional EC motors adjust to variations due to stack effect, wind effect or any other static pressure change by using ALDES built-in smart technology. Aldes' Cold Supply Air Protection (CSAP) design also ensures that the supply air never drops below freezing and prevent the risk of damage to downstream equipment.



Mounting hardware ensures a secure vibration proof installation.

Easy to balance unit

- Door pressure taps
- EC constant airflow motors (premium units) are self balancing

Quick clip ceiling brackets

- Metallic template
- No need to screw brackets to the unit

Permanent electric connection

- Compliance with NEC
- No plugs, no wires

END-USER COMFORT



Thermal comfort

- 75% SRE at 0°C, 64 CFM
- > 60% SRE at -25°C, 64 CFM
- High latent efficiency for humidity comfort
- Cold Supply Air Prevention (CSAP)



Quiet comfort

- Oversized Impeller: 140 mm FC
- Custom plastic fan scroll
- High density EPS molded cabinet



Easy to access to internal components

- Quickly replace motors and change filters
- Full access to heat exchanger
- FLEXControl electronically balances airflow circuits



Centralized control box

- Access to all electrical components
- Slideable control box for easy work in small spaces
- ON/OFF switch for faster interventions



For more information, contact your
Aldes sales advisor, visit aldes-na.com,
or find us on



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USA 800.255.7749 CAN 800.262.0916

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