

# INTEGRATED ERV SYSTEM

## For Vertical Stack Units



The Vertical Stack fan coil unit with an integrated energy recovery ventilation unit is designed for concealed applications in corners of rooms or along room walls. The integrated ERV enhances the fan coil's performance, delivering superior ventilation and improved indoor air quality. The compact design saves valuable floor space while helping reduce energy costs.

## Features

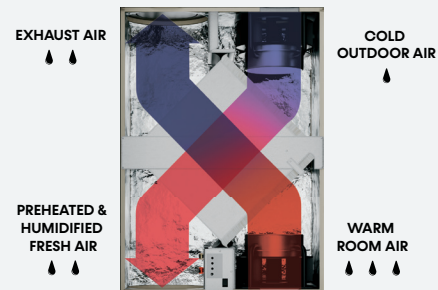
- ERV core transfers both heat and humidity
- ERV Sensible heat recovery efficacy (SRE) of 80% at 55 CFM
- ERV supply and exhaust EC motors
- Front or top supply
- AHRI Certified
- Optional: Thermostatic Frost Prevention Control

## How It Works

Our advanced ERV features a static-plate cross-flow core and four ducts to manage outdoor air, indoor return air, exhaust air, and supply air. The core transfers heat and water vapor between airstreams without mixing or transferring pollutants.

## Year-round Comfort

- **Winter:** Preheats and humidifies cold outdoor air using outgoing indoor air.



- **Summer:** Precools and dehumidifies warm outdoor air with air-conditioned indoor air.



## THE ERV ADVANTAGE

### Optimized Energy Efficiency and Higher indoor Air Quality

- Airstreams do not mix, and pollutants are not transferred across the partition plates
- Stale indoor air is replaced with fresh conditioned and filtered outdoor air, resulting in enhanced IAQ
- Efficient heat and humidity transfer recaptures up to 70 -80% of the energy exhausted in the airstream. Energy that's otherwise wasted by conventional ventilation systems (such as bath fans) is reused, thus reducing monthly operating costs
- Energy-efficient operation decreases HVAC loads, which cuts down on energy use and costs

### Ease of Installation

- Integrated ERV simplifies installation by minimizing field work, saving time and effort
- The ERV eliminates the need for drain pans and condensate drain lines further simplifying installation

### Ease of Service

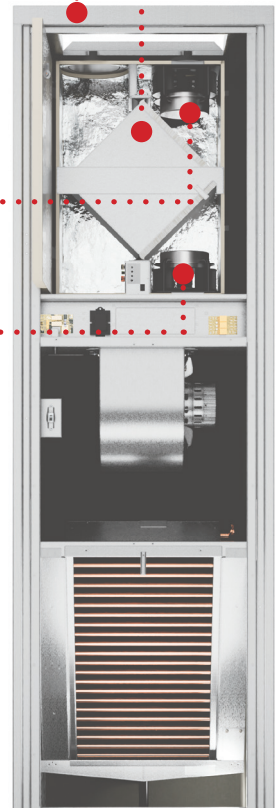
- Easy access for filter changes and maintenance
- ERV motors are easily replaceable

### Quality and Safety

- Every unit tested and inspected at the factory for trouble free start-up
- Units are ETL, cETL listed and AHRI certified

### Electrical Data

Watts	Volts	Hz	Phase	FLA per motor
53	120	60	1	0.85



Contact your local IEC Representative or visit [www.iec-okc.com](http://www.iec-okc.com)

to learn more or to find out about other heating & cooling solutions to fit your application needs.



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