

A composite image featuring a close-up of a young child with brown hair, smiling and looking towards the right. The child is wearing a blue patterned garment. To the right of the child, a white Field Controls HRV/ERV unit is shown. The unit is rectangular with multiple black circular ports on its top and side. The background is a soft, out-of-focus light blue.

# HRV/ERV

## Recovery Ventilators

## BENEFITS

Field Controls Heat and Energy Recovery Ventilator systems stand out as advanced balanced ventilation solutions, setting a benchmark for operational efficiency. These systems have earned a reputation for maintaining the most cost-effective performance compared to other ventilation options.

At their core, HRV and ERV systems are dedicated to enriching your indoor environment with a continuous supply of fresh, clean air. What truly distinguishes our systems are the carefully engineered features that optimize ventilation while ensuring a dependable, noise-free operation.

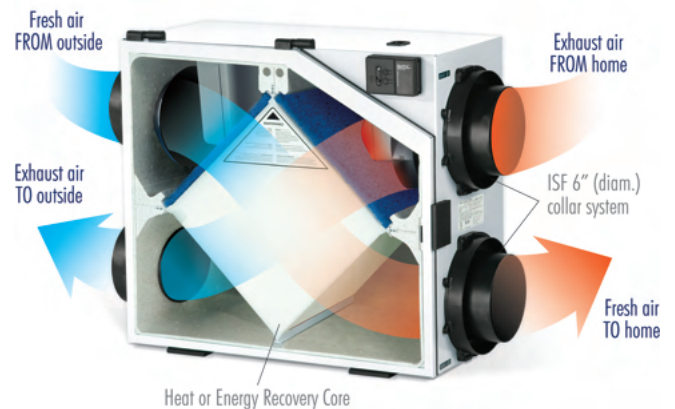
## FEATURES

- Remarkable efficiency, resulting in the lowest operational costs
- Introduces a constant stream of fresh air into your living space
- Silent and reliable operation, so you can enjoy the benefits of fresh air
- Intelligently designed to guarantee that you receive the best possible ventilation for your home, ensuring a comfortable and wholesome living environment

# HOW IT WORKS

The fans of an HRV will pull fresh air into the home while simultaneously exhausting stale air from the home. In most installations, the fresh air is delivered to the living room and bedrooms, while the stale air is removed from bathrooms, laundry rooms, and sometimes the kitchen.

An ERV does everything that an HRV does. In addition, an ERV allows some of the moisture in the more humid air stream (usually the stale air in winter and the fresh air in summer) to be transferred to the air stream which is dryer. This transfer of moisture - called enthalpy transfer occurs with very little mixing of the two air streams.



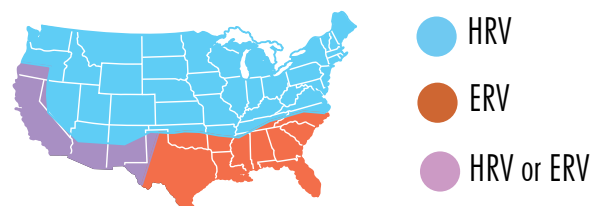
# WHY FRESH AIR VENTILATION?

Modern homes are constructed with a strong focus on energy efficient, featuring robust insulation and well-designed windows maintain comfortable indoor temperatures. However, the downside to such tight construction is the potential for indoor air to become stagnant and polluted with germs, unpleasant odors, and volatile organic compounds (VOCs). Gain peace of mind with Field Controls HRV/ERV balanced ventilation systems. Our system models can be automatically controlled for your convenience, and save you from wasting energy dollars opening doors and windows during summer and winter months.

For light commercial applications, we offer an additional set of six HRV or ERV models, equipped with the innovative DuoTrol™ balancing system and high-performance motors. These models are designed to handle airflow ranging from 200 to 1,200 cfm, catering to a variety of commercial needs, all while maintaining optimal indoor air quality and energy efficiency.

# EFFICIENT IN ANY CLIMATE

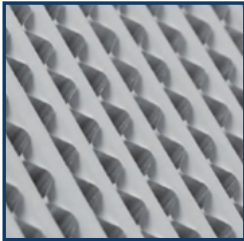
The HRV system is perfectly suited for regions with colder, northern climates, where maintaining warmth and air quality is paramount. On the other hand, the ERV system is tailor-made for the hot and humid conditions of southern climates, where keeping indoor spaces cool and comfortable is the priority. In areas like the southwest and California, the choice between HRV or ERV depends on the specific local conditions and requirements.



# PRODUCT FEATURES

## *DuoTrol™ Balancing System*

By reducing motor speed to balance the unit, you avoid the noise that would be produced by balancing dampers. In addition, with this technology the unit will consume less energy.



## *Enthalpy Core (ERV)*

Advanced Heat and Humidity Exchanger superior to existing paper-based cores. Manufactured from a durable polymer membrane that enables energy recovery systems to increase their total efficiency, operate in extreme climates, and ensure the cleanest air possible.

## *5" Oval Collar System*

Quick and simple to install. The 5" (diam) oval collar system enables you to manipulate the duct within your reach and then insert it by sliding it in place, for a better and quicker installation and balancing.



## *High Performance Motor*

All Field Controls products are designed with high-performance, reliable motors for your comfort and peace of mind. Factory sealed and dynamically balanced, our motors are maintenance-free for years to come.

## *SPM™ Attachment System*

The entire line of Field Controls HRV/ERV products are designed for installation by a single person. "Single Person Mounting" will enable you to save time and effort by offering you to a variable attachment system.



## *Polypropylene HRV Core*

Designed to maximize airflow and performance. The core is constructed from a composite of polypropylene materials that allows latent heat transfer from one airstream to another while preventing cross-contamination.

# MODELS AND SPECIFICATIONS

RESIDENTIAL HRV/ERV MODELS SPECIFICATIONS									
Model	Part Number	Dimensions (inches)	Weight (lbs)	Airflow cfm		Voltage	Amps	Hz	Watts
				Low	High				
FC80HRV	60510004080	22 H x 19.8 W x 14.5 D	33.5	30	100	120	0.85	60	66
FC150HRV	60510006150	29.5 H x 22.5 W x 11.4 D	43	30	160	120	1.5	60	142
FC200HRV	60510006200	29.5 H x 22.5 W x 16.5 D	51	70	220	120	1.5	60	142
FC80ERV	60510005080	22 H x 19.8 W x 14.6 D	32.5	30	100	120	0.85	60	66
FC150ERV	60510007150	29.5 H x 22.5 W x 11.4 D	42	30	160	120	1.5	60	142
FC200ERV	60510007200	29.5 H x 22.5 W x 16.5 D	50	70	220	120	1.5	60	142
LIGHT COMMERCIAL MODELS									
LCH-4H	605108004	29.5 H 35.9 W x 22.7 D	146	200	450	120	3.92	60	470
LCH-4E	605109004	29.5 H x 35.9 W x 22.7 D	132	200	450	120	4.17	60	500
LCH-7H	605108007	36.5 H x 36.25 W x 22 D	185	500	750	120	5.58	60	670
LCH-7E	605109007	36.5 H x 36.25 W x 22 D	169	500	750	120	5.58	60	670
LCH-12H	605108012	51.4 H x 36.6 W x 22 D	240	1200		120	11.17	60	1340
LCH-12E	605109012	51.4 H x 36.6 W x 22 D	210	1200		120	11.17	60	1340
REPLACEMENT FILTERS									
FLTR-80KIT	73000006080	HRV/ERV Replacement Filter Kit for FC80							
FLTR-150KIT	73000006150	HRV/ERV Replacement Filter Kit for FC150							
FLTR-200KIT	73000006200	HRV/ERV Replacement Filter Kit for FC200							

OPTIONAL ACCESSORIES			
Model	Description	Model	Description
HHSC+	Healthy Home System Control	R2-VH4	4" Outdoor Vent Hood
EHC1	Digital Ventilation Control, 7 operating modes	R2-VH5	5" Outdoor Vent Hood
EHC1.5	Digital Ventilation Control, 12 operating modes	R2-VH6	6" Outdoor Vent Hood
RD1	Residential Basic De-Humidistat	MTX-HD	Single Part Vent Hood
RD4P	REsidential Deluxe De-Humidistat	VT0110	5" Diffuser replaces EAG5 & EAG4
T-3	Timer 20/30/60 Push Button	VT0111	6" Diffuser replaces EAG6