



FC150HRV
FC150ERV

 **FIELDCONTROLS**
VENTILATION

HEAT AND ENERGY RECOVERY VENTILATION SYSTEMS

**IMPROVE AIR QUALITY WITH RELIABLE, BALANCED
VENTILATION**

HRV/ERV

HEAT AND ENERGY RECOVERY VENTILATORS

FRESH AIR QUALITY WITH BALANCED VENTILATION SYSTEMS

Field Controls HRVs and ERVs are balanced ventilation systems and have the lowest operating cost of any ventilation options. The purpose of an HRV or an ERV is to deliver fresh air into your home. Our systems are designed for optimal ventilation, and quiet, dependable operation.

WHY FRESH AIR VENTILATION?

Homes today are tightly built, with greater R value insulation and more efficiently designed windows. Without introducing fresh air, the indoor air of these well-insulated structures will become stale and contaminated with germs, 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 the summer and winter months.

Field Controls HRV or ERV systems are available in 6 models that range from 40 cfm to 250cfm to ensure energy efficiency with optimal effectiveness.

For light commercial applications, Field Controls offers 6 HRV or ERV models featuring DuoTrol™ balancing system and high performance motors that range from 200 to 1,200 cfm.



Benefits

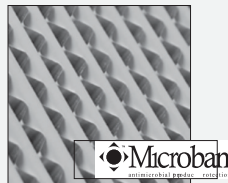
- Automatically replaces stale air with fresh air
- Meets or exceeds ventilation standard ASHRAE 62.2
- Low maintenance
- Reduces energy consumption

Product



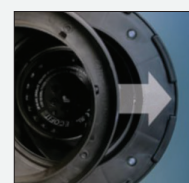
DuoTrol™ Balancing System

Silent and economical... 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, dPoint's ERV Core is 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.



ISF™ 5" Oval Collar System with integrated balancing taps

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

BALANCED FRESH AIR SOLUTIONS

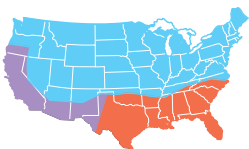


FC200HRV
FC200ERV



Efficient in Any Climate

The HRV is ideal for colder, northern climates. The ERV is designed for the hot, humid southern climates. Either can be used in the southwest and California, depending on local conditions.



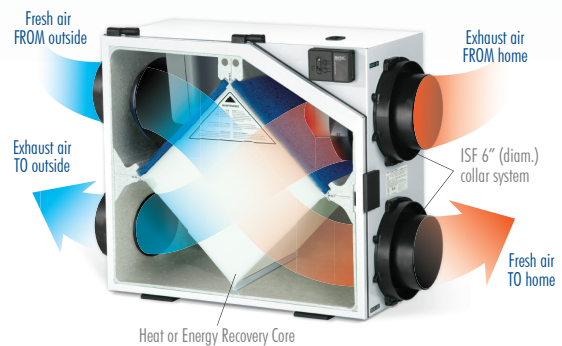
- HRV
- ERV
- HRV or ERV

How it Works

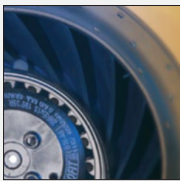
The fans of an HRV will pull fresh air into the home while simultaneously exhausting stale air from the home. In most installations, the fresh air is delivered to the living room and bedrooms, while the stale air is removed from bathrooms, laundry rooms, and sometimes the kitchen.

Both the fresh air stream and the stale air stream flow through the HRV. The System Core allows some of the heat from the warmer air stream (the stale air in winter, the fresh air in summer) to be transferred to the cooler air stream. In winter, the System “recovers” some of the heat that would have otherwise been exhausted. This heat transfer occurs without any mixing of the two air streams.

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.



Features



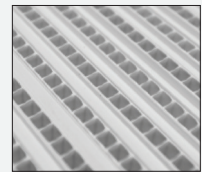
High Performance Engineered Motor

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 is 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 & 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