

HRV/ERV

Heat and Energy Recovery Ventilators



The Ultimate Solution for Fresh Air

With Heat Recovery Ventilation (HRV) and Energy Recovery Ventilation (ERV), the homeowner realizes maximum energy efficiency, a balanced approach to fresh air, and additional benefits such as humidity control. HRV is recommended for colder

climates and ERV is recommended for hot, humid climates. Both are integrated into the ductwork of the forced air system (new or retrofit) and both work 24/7 to ensure fresh air changes up to eight times per day.



FIELD CONTROLS

HRV

Heat Recovery Ventilator



The Gold Standard in Fresh Air Ventilation

Heat Recovery Ventilation (HRV)

The unique dual-stream airflow design of Field Controls' HRV keeps outgoing stale air separate from incoming fresh air and completely rejuvenates the air throughout your entire home up to eight times a day.

Our balanced ventilation technology replaces indoor stale air with an identical amount of fresh air, keeping the home pressure-neutral. This balanced ventilation is also critical to prevent moisture build-up during the heating season which can lead to expensive rot damage and hazardous mold.

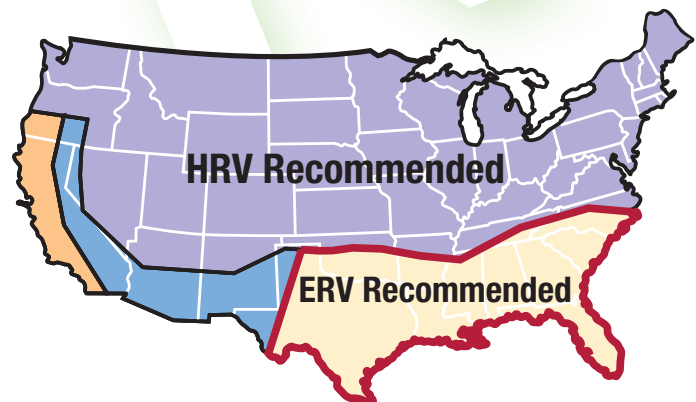
The Field HRV features a patented aluminum core which efficiently transfers heat from outgoing stale air to incoming fresh air. Our HRV lets you enjoy an energy efficient home without breathing harmful indoor fumes from paint, plastics, carpets, adhesives, and household products, or lingering pet odors or moisture that causes mold.

Fresh Air Quality and Energy Efficiency

Because of the unique ability of an HRV to transfer the temperature of indoor stale air to the incoming fresh air, you'll realize lower heating and cooling costs year round while enjoying all the benefits superior indoor air quality delivers. In fact, the efficiency of the Field Controls HRV is so great that virtually none of the warmth collected from your home in winter is lost to the outside. In summer, the HRV works in reverse by removing heat from the incoming air and transferring it to the outgoing air, keeping your home cool and fresh.

Benefits

- Replaces stale air 8 times a day
- A balanced system. Exchanges identical amounts of stale air for fresh
- Conserves energy by transferring heat or cool to incoming air
- Helps prevent moisture buildup during heating season
- Three models to choose from
- Ideal for colder climates of the Midwest and Northeast



Energy Recovery Ventilator (ERV)

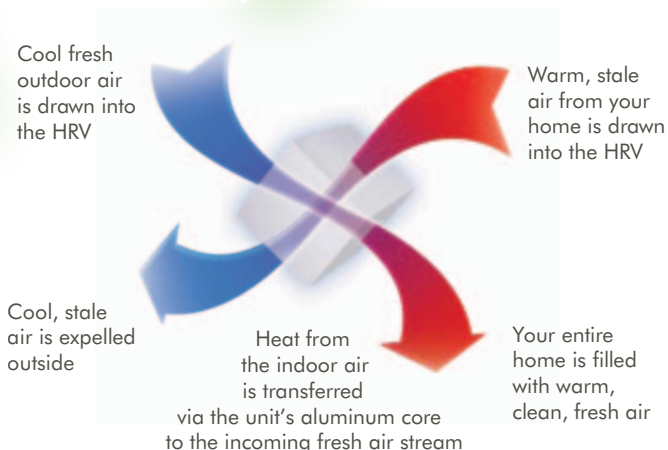
Nearly 90% of the energy used to cool a home is required to remove humidity. With the Field ERV, humidity is removed from the air before it is brought into the home – greatly reducing cooling costs. The Field Controls ERV uses membrane technology to transfer moisture and energy and our new, water-washable core is constructed with a non-cellulose material that will not deteriorate with moisture.

Benefits

- Replaces stale air 8 times a day
- Removes humidity from outside air
- A balanced system. Exchanges identical amounts of stale air for fresh.
- Conserves energy by transferring heat or cool to incoming air
- Ideal for warm, humid climates
- Only water-washable ERV core available
- Maintenance-free, energy efficient motor
- Most efficient ERV available

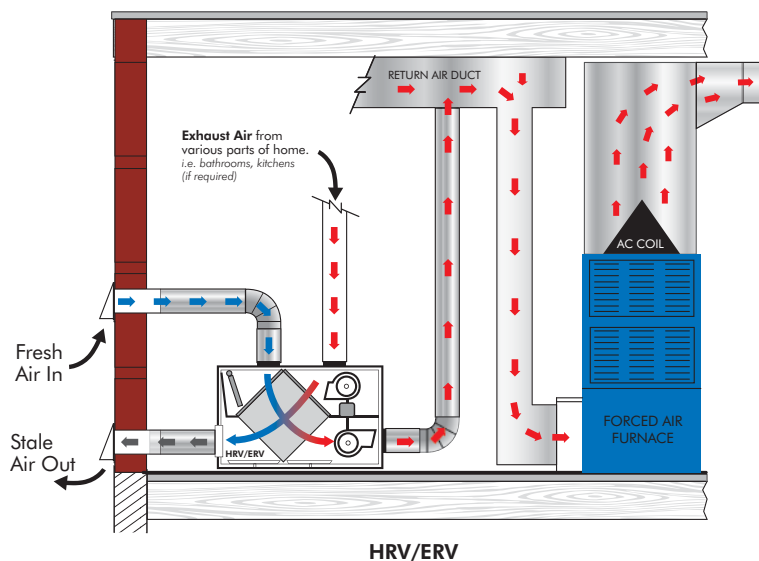


FC150ERV



How HRV/ERV Works

The HRV/ERV and FAS is a controlled, balanced approach to fresh air ventilation. Fresh outdoor air is drawn into the HRV/ERV. The air is tempered (heated or cooled) as it passes through the core. Humidity is removed in ERV units. The tempered air is then distributed throughout the house via the HVAC ductwork. Stale air is circulated back to the HRV/ERV. As it passes through the unit, the heat/cool is extracted from the air and is used to temper the incoming air. The stale air is expelled outside. The system is 100% balanced. It expels the identical amount of air that is drawn into the home. Fresh air is cycled through the entire home up to 8 times per day.



Models And Specifications

Recovery Ventilators



Model	Product	Size	Airflow cfm					Effectiveness @ 32° F	Voltage	Amps	Hz	Watts
			.1	.2	.3	.4	.5					
FC95HRV	Heat Recovery Ventilator	24.5" H x 18.5" W x 16" D	76	73	70	66	60	88%	120	0.9	60	89
FC155HRV	Heat Recovery Ventilator	19" H x 33.62" W x 14.75" D	144	134	125	113	92	73%	120	1.4	60	119
FC200HRV	Heat Recovery Ventilator	19" H x 33.62" W x 14.75" D	207	73	70	66	60	74%	120	1.4	60	113
FC150ERV	Energy Recovery Ventilator	19" H x 33.5" W x 14.75" D	151	141	132	124	107	81%	120	1.4	60	95

Accessories



Model	Product	Description	Voltage	Amps
HHSC	Healthy Home System™ Control	Fan/Vent ON and OFF delay settings, 1-199 minutes in 1 minute increments, unlimited setting for ON and OFF	24	0.07
DHVC	De-humidistat Vent Control	2 Speed Fan setting (Low/High) Connects to 3 wire, 20 gauge low voltage wire	-	-
VTC	Ventilation Timer Control	Initiates high speed ventilation for 20, 40, or 60 minutes (3 wire) 20 gauge wire (min.) 100' length	-	-
DH1	De-humidistat	Initiates high speed ventilation when indoor humidity level is above the set point. (3 wire) 20 gauge wire (min.) 100' length	-	-
WH185	5" Weather hood kit	Two - 5" hoods and 1/4" mesh screen	-	-
WH186	6" Weather hood kit	Two - 6" hoods and 1/4" mesh screen	-	-
EAG4	4" Tech grille	4" round, fully adjustable grille for quiet air distribution	-	-
EAG5	5" Tech grille	5" round, fully adjustable grille for quiet air distribution	-	-
EAG6	6" Tech grille	6" round, fully adjustable grille for quiet air distribution	-	-

We offer three solutions to the fresh air problem.

All work with any forced air HVAC system. All help meet the Industry Ventilation Standard ASHRAE 62.2.

GOOD



The Make-Up Air Damper

BETTER



The Fresh Air Damper

BEST



The HRV/ERV



FIELD CONTROLS

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