

AWARD WINNING

EV PREMIUM ERVs

SINGLE/MULTI-FAMILY, LIGHT COMMERCIAL APPLICATIONS



- ♦ 30–390 CFM
- ♦ Residential ERVs certified for commercial-grade applications
- ♦ EC motorized Impellers, variable speed with boost-mode, plug-in and hard wired power available
- ♦ MERV 13 filter accessory
- ♦ EV Premium+ models comply with 2025 California Energy Commission's (CEC) Title 24, Part 6 ERV FID requirement
- ♦ EV Premium SH, MH, LH awarded TecHome Builder's 2023 Brilliance Award



**VENTILATION SOLUTIONS
FOR EVERY APPLICATION**

RESIDENTIAL, LIGHT COMMERCIAL ERVs

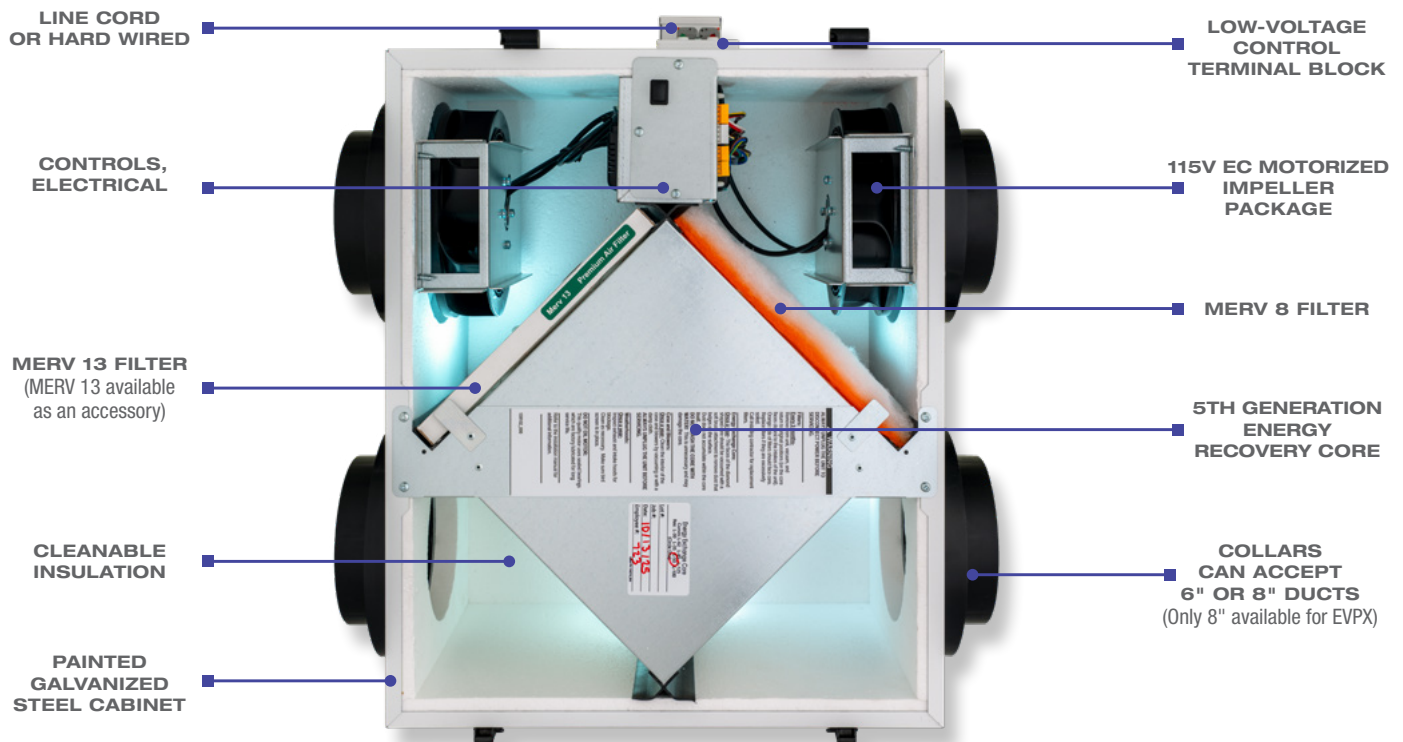
NEW! EV PREMIUM+ SERIES

As an extension of the popular and award-winning residential EV Premium Series, we've added EV Premium+. These ERVs are **compliant with 2025 California Energy Commission's (CEC) Title 24, Part 6 ERV Fault Indicator Display (FID)** requirements and have all of the classic features of the EV Premium line (EC motorized impellers, MERV 13 capability), but also feature a unique, **new Touchscreen Control+ (TC1+)** accessory. The user-friendly, wall mounted TC1+ allows for easy setup and additional on-demand ventilation options.

Please note that **existing EV Premium models cannot be retrofitted** to become EV Premium+ ERVs.

EV PREMIUM SERIES

Ideal for single- and multi-family structures, as well as light-commercial buildings, these EV Premium Series ERVs incorporate **high-efficiency EC motorized impellers** to meet strict energy codes. The EV Premium Series ERVs also include a **Dial-A-Flow controller** that allows users to set airflow for maximizing comfort. In addition, these ERVs have boost-mode capabilities with **MERV 13 filters as an accessory** to further enhance IAQ.



RENEWAIRE CORE TECHNOLOGY

CERTIFICATION

- ♦ Commercial Units: Certified by the Air Conditioning, Heating and Refrigeration Institute (AHRI) for an industry-leading, low-to-zero Exhaust Air Transfer Ratio (EATR) at typical static pressure differential
- ♦ Residential Units: Certified by the Home Ventilating Institute (HVI) against standard CAN/CSA-C439-18 for an industry leading CFM/watt and energy transfer effectiveness
- ♦ Superior core flammability performance; passes UL-723 and UL-1812

MAINTENANCE

- ♦ RenewAire cores are easy to clean without removing them from the unit, and they never require washing

INNOVATIVE CONSTRUCTION

- ♦ Core exchanger material is cellulosic-based and doesn't contain or use halogenated flame retardants or PVCs

RELIABILITY

- ♦ An industry-leading 10-year structural and performance warranty for the static-plate core, two-year warranty for commercial products and five-year warranty for residential products

EXCEPTIONAL PERFORMANCE

- ♦ Moderates heat and humidity via total energy recovery to maintain a comfortable indoor environment
- ♦ No need for frost protection or condensate pans
- ♦ Laminar airflow ensures that particulates do not accumulate in the core

REDUCED COSTS

- ♦ Optimized energy efficiency via core energy transfer decreases ventilation energy requirements, which can result in smaller air conditioning and heating needs



**EV PREMIUM+ S/SH,
EV PREMIUM S/SH**



**EV PREMIUM+ M/MH,
EV PREMIUM M/MH**



**EV PREMIUM+ L/LH,
EV PREMIUM L/LH**



**EV PREMIUM+ X/XH,
EV PREMIUM X/XH**

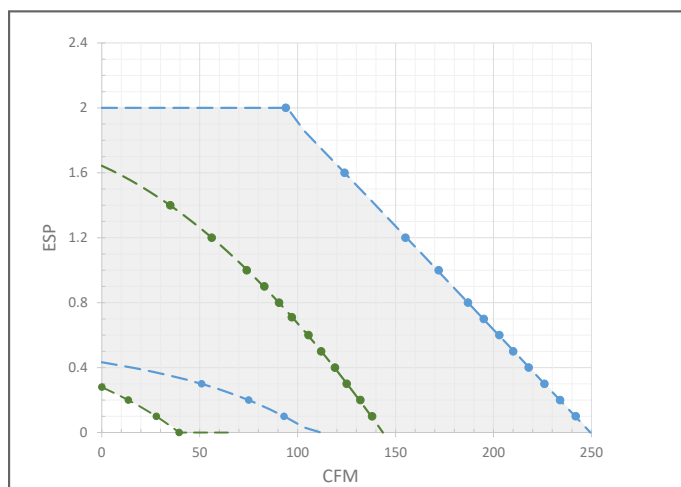
Power Supply	Line Cord or Hard Wired			
Airflow Range	30–130 CFM	30–230 CFM	30–280 CFM	100–390 CFM
Fans	EC Motorized Impellers			
Speeds*	Two Independent Variable Speeds: Low & High/Boost-mode			
Airflow Setpoints	EV Premium+: Constant Volume or Speed EV Premium: Constant Speed			
Terminal Connections	EV Premium+: High & Low Speed Activate, Furnace/AC Interconnect, Motorized Dampers (2) EV Premium: High Speed Activate, Furnace/AC Interconnect**, Motorized Damper (1)			
Fault	EV Premium+: Monitoring & Indication EV Premium: None			
Length	22 1/2"	22 1/2"	22 1/2"	24 3/8"
Width	9 5/8"	12 5/8"	23 5/8"	23 5/8"
Height	23 3/4"	23 3/4"	23 3/4"	27 1/4"
Weight	32 lbs.	36 lbs.	52 lbs.	65 lbs.
Mount	Ceiling Bracket/Wall Bracket			
Filter	MERV 8, MERV 13 (supply outside air only for MERV 13)			
Warranty	Core: 10-year, Unit: 5-year			
Fan Efficiency	1.82 CFM/watt at 51 CFM (0.2" ESP)	2.22 CFM/watt at 102 CFM (0.2" ESP)	2.92 CFM/watt at 121 CFM (0.2" ESP)	2.44 CFM/watt at 197 CFM (0.2" ESP)
Example Ratings**	74% SRE at 51 CFM	81% SRE at 51 CFM	88% SRE at 59 CFM	78% SRE at 102 CFM
Certifications	 			

*Boost-mode: Maximum airflow achievable in boost-mode when continuous airflow set point is below max rating.

**Accessory required.

**For all rating points, please refer to the HVI website certified products directory. HVI rating point 32°F.

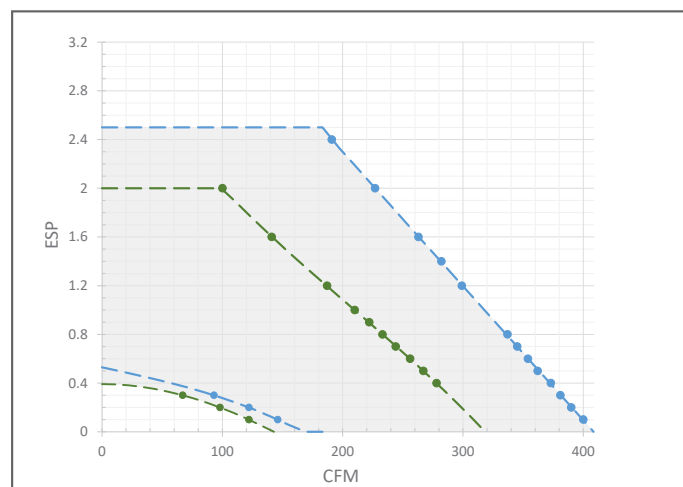
EV PREMIUM+ S/M, EV PREMIUM S/M



—◆— indicates EV Premium S

- -◆- - indicates EV Premium M

EV PREMIUM+ L/X, EV PREMIUM L/X



—◆— indicates EV Premium L

- -◆- - indicates EV Premium X

INSTALLATION & MAINTENANCE

INSTALLATION

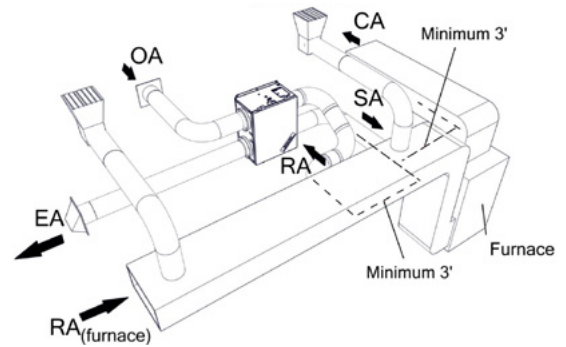
Installation of both the EV Premium+ and EV Premium Series ERVs is simple and straightforward. These ERVs can be mounted in any orientation. Further, the RA/EA airstreams can be switched with the OA/SA airstream.

EXAMPLE

In a "Return-Return" installation—where the ERV return and supply airstreams are both ducted to the furnace/air handler return duct—the furnace blower must run whenever the ERV is operating.

To achieve this, choose one of the following methods:

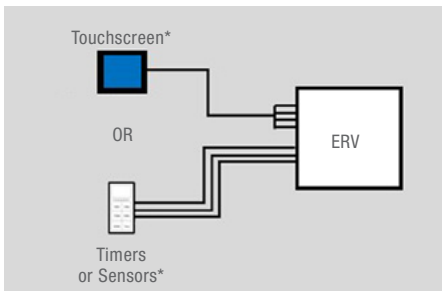
- ♦ Continuous Run: Set the furnace fan to "on" at a continuous low speed.
- ♦ EV Premium+: Interlock the fan directly via the unit's onboard terminals.
- ♦ EV Premium: Use the optional FM control accessory to automatically sync the furnace fan with the ERV.



CONTROL STRATEGIES

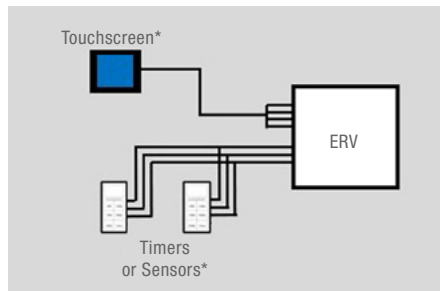
SINGLE CONTROL

EV PREMIUM+



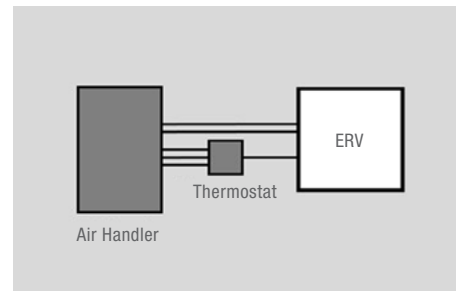
MULTIPLE CONTROLS

EV PREMIUM+

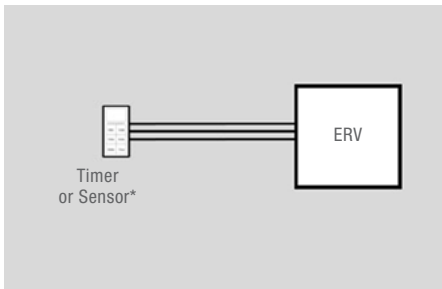


INTERLOCK WITH AIR HANDLER**

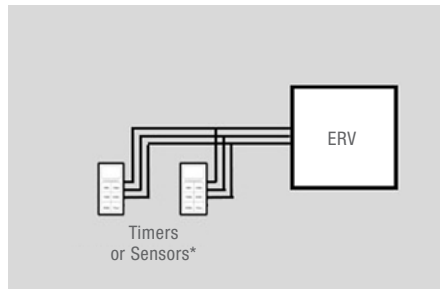
EV PREMIUM+



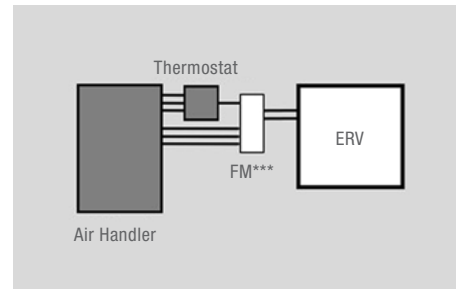
EV PREMIUM



EV PREMIUM



EV PREMIUM



* Indicates accessory

** Additional controls can still be used

*** Accessory limits unit to one speed (high) only



**LOOKING FOR ACCESSORIES TO PAIR
WITH OUR EV PREMIUM ERVs?**

Scan the QR code or visit bit.ly/EVP-Accessories.