

High Efficiency Energy Recovery Ventilator

Today's eco-conscious homeowner wants to reduce their impact on the environment while maintaining a comfortable lifestyle. You can help achieve this by installing a SMART ERV in your home.

Homes are designed to be tightly sealed for energy efficiency, but that tends to trap unwanted odors and pollutants. Provide your home with a comfortable indoor environment of fresh, healthy air.



ERVs compared to HRVs

Energy Recovery Ventilators (ERVs) and Heat Recovery Ventilators (HRVs) are similar devices in that both supply fresh air to the home and exhaust stale air while recovering energy from the exhaust air in the process. Both devices improve indoor air quality (IAQ) rather than having to open windows or rely on leaks to provide ventilation.

The primary difference between the two is that an HRV transfers air AND humidity, making your air conditioner work harder in the summer and removing needed moisture in the winter. " Fresh air for your home - in all 4 seasons"

An ERV tempers the air AND provides extra protection by keeping humidity out in the heat of summer and in during the cool winter months.

The SMART ERV removes harmful contaminants that can build up naturally in the home, such as chemicals, radon, odors, formaldehyde, viruses and bacteria.

Energy efficient fresh air

Eco-conscious homeowners can enjoy fresh, healthy air indoors while reducing the negative impact on the environment with the residential SMART ERV Energy Recovery Ventilation unit. Using its poly wheel with desiccant coating, the SMART ERV rotates between incoming and outgoing air streams to pump out stale air and pump in fresh air while capturing up to 80 percent of the energy within the exhaust.



The 2 standard 10" x 20" x 1" pleated filters can remove airborne particles as small as 5 microns. The advanced frost-control system ensures the SMART ERV will work efficiently even during sub-zero days.

Environmental benefits

- SMART ERV energy recovery wheel recycles the energy in exhaust air. Recycled energy reduces fossil fuel consumption and greenhouse gas emissions, leading to a more environmentally friendly and sustainable building.
- The USGBC LEED Program gives points for outdoor air ventilation rates 30% above current standards

SMART ERV keys to success

- Variable speed fan means that one unit will accommodate all applications (large or small homes)
- The poly wheel with desiccant coating technology used in the SMART ERV is far more effective on latent energy transfer than typical cross flow ventilators or media filter wheels
- Automatically pre-tempers incoming air in all seasons, prevents humidity from entering in the summer and keeps humidity inside during winter

Installation and maintenance is a breeze

A qualified contractor can easily attach the SMART ERV unit to a new or existing home's heating and cooling system. Maintenance is a breeze with features that include:

- Self-monitoring;
 - -indicator on the control panel proves wheel rotation
 - -separate indicator alerts when a clean filter is required
- Removable, washable wheel
- Two individually-controlled blower motors
- Temperature sensors
- Door safety interlock
- Microprocessor
- Selectable defrost mode
- Service override switches
- Computer port for service troubleshooting

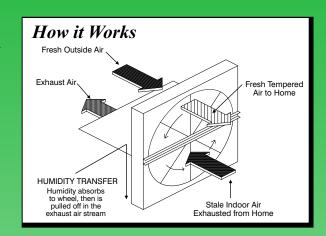
You're in Control



The SMART ERV's optional wall-mount remote control has the look of a thermostat, features an on/off switch and allows users to adjust wheel speeds.

Compare us to the Competition

- The SMART ERV is more effective on latent energy transfer than typical cross flow ventilators by utilizing an innovative poly wheel with desiccant coating
- The SMART ERV Rotary Wheel with desiccant coating has 70% 80% Total Recovery Efficiency, while typical cross flow ventilators have only 45% 60%



Specifications

Ventilation Capacity*	CFM @ 0.0 (Max) CFM @ 0.6 (Min)	250 50
Sensible Efficiency (heating)	CFM @ 200 CFM @ 150	72% 74%
Latent Efficiency (cooling)	CFM @ 200 CFM @ 150	68% 71%
Total Efficiency (enthalpy)	CFM @ 200 CFM @ 50	70% 80%
Electrical Ratings	@ 6 AMPS	120 VAC
Weight	Shipping (lbs) Net (lbs)	100 90

Warranty: 5 year on desiccant wheel and 1 year on all other parts

^{*} Nominal Rating condition for ARI Standard 1060 Ventilation Capacity is measured at 200 CFM.



Energy recovery component certified to the ARI Air-to-Air Energy Recovery Ventilation Equipment Certification Program in accordance with ARI Standard 1060-2000. Actual performance in packaged equipment may vary.



ETL Certified per UL 1812 and CAN/CSE C349.00





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