



A BETTER FRESH OUTDOOR AIR ALTERNATIVE

As building codes call for increases in outdoor air ventilation, facilities are looking for more efficient ways to bring clean outdoor air indoors. Coolerado's Energy Recovery Ventilation unit (ERV) can help your building easily meet the air ventilation rates required by codes, based on ASHRAE Standard 62.1, while dramatically reducing energy consumption. Our ERV reduces the load on your cooling and heating system by taking advantage of the work that's already been done to heat, cool, humidify or dehumidify the space.

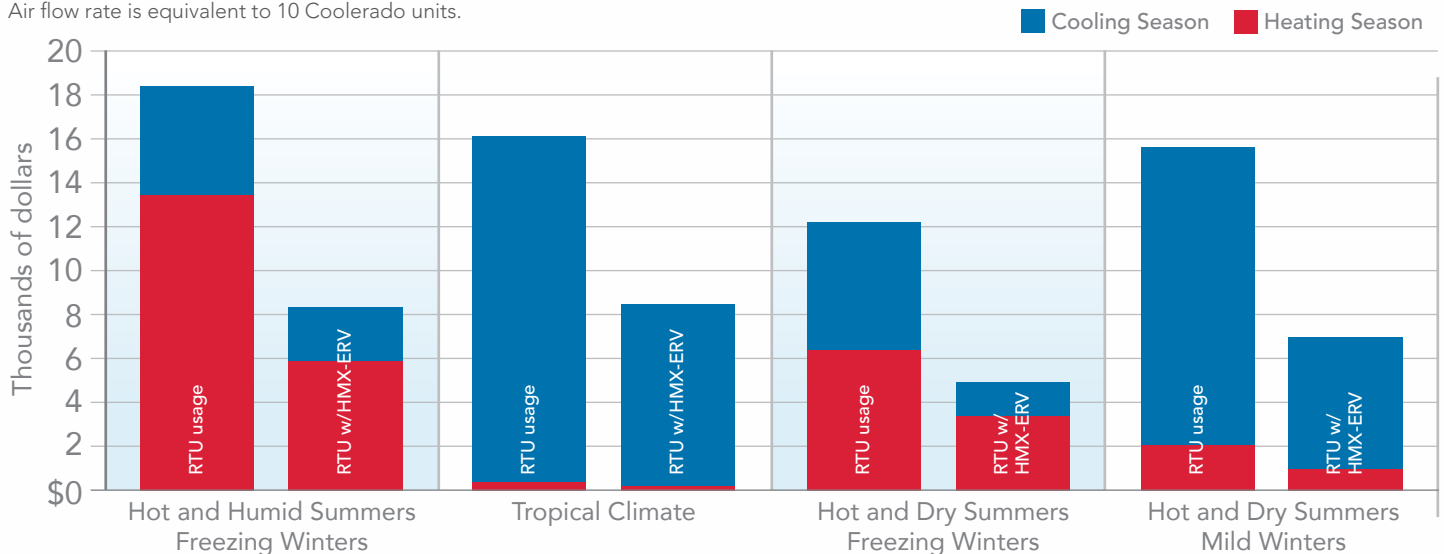
THE COOLERADO ERV DIFFERENCE

- Summer enthalpy recovery effectiveness ranging from 70% to over 200% at full flow.
- Winter heat recovery effectiveness of 70% at full flow.
- In the summer it goes beyond ventilation tempering to provide super cooling and dehumidification.
- In the summer it provides positive internal pressurization to keep heat and humidity from infiltrating into the building.
- Reduces the capacity and runtime of the roof top unit.
- Extremely quiet.
- Return and outdoor air do not mix inside the Heat and Mass Exchangers. Stale return air is exhausted to the outdoors.
- High efficiency, variable speed EC motors.
- Self adjusting air flow rate controls for fan motor speed adjusting for duct static pressure.
- BACnet ready and compatible with most Building Management Systems.
- Factory installed freeze protection controls, (solenoid valves by others).
- Ease of maintenance with simple access to the unit and off the shelf components.
- Lighter weight and less moving parts than conventional ERV wheels. No wheel components or sumps to maintain.
- Modular design allows installation flexibility if the need for cooling or heating increases.
- Made in the United States.
- 3-Year warranty on HMXs and 1-Year on cabinet and components.



10,000 CFM / 6,350 L/S ENERGY CONSUMPTION COMPARISON PER REGION

Air flow rate is equivalent to 10 Coolerado units.

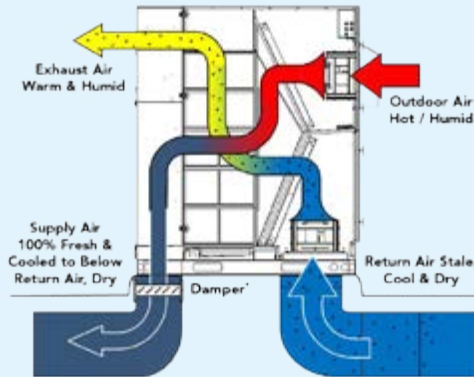


COOLERADO ERV CONFIGURATIONS

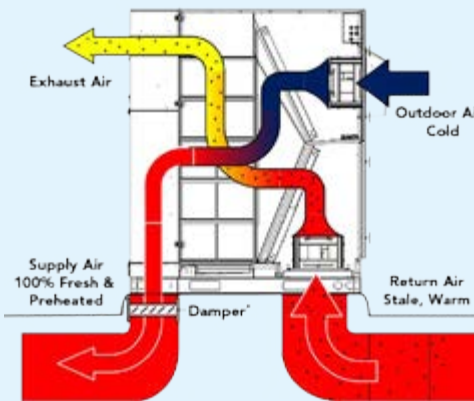
One Coolerado ERV provides 1000CFM (635L/s) supply air. Modular design allows for stacking multiple units.

STAND ALONE

ERV Cooling - Water On

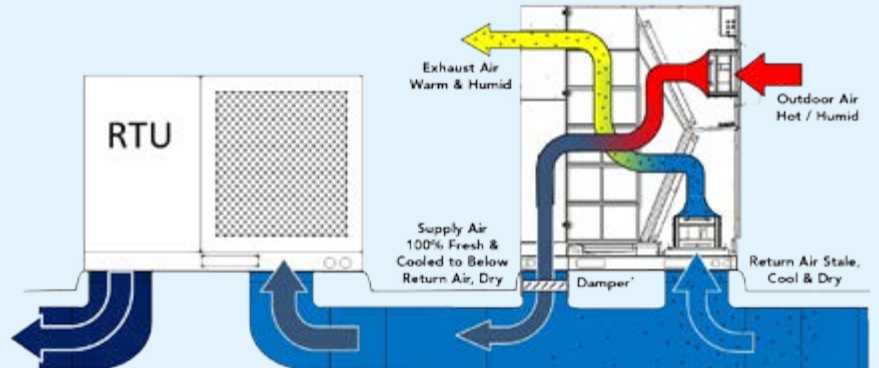


ERV Preheating - Water Off

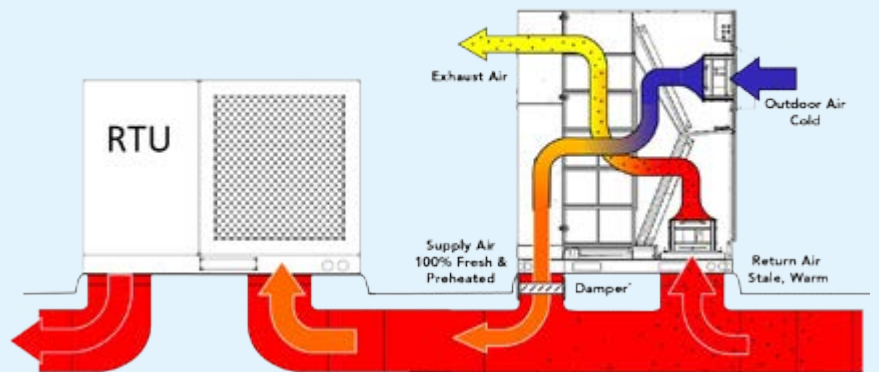


HYBRID

ERV Cooling Connected With an RTU - Water On

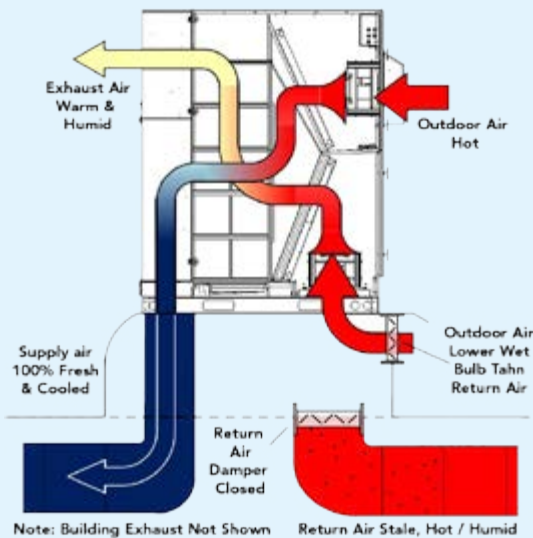


ERV Preheating Connected With an RTU - Water Off



STAND ALONE HOT AND DRY SUMMERS / MILD WINTERS

Cooling with Outdoor Air - Water On



Preheating with Indoor Air - Water Off

