



## SMART ERV in Cold Climates

December 2009 – The SMART ERV provides exceptional efficiency and is a state-of-the-art technology for achieving energy conservation while ventilating for health and comfort. Usage of the SMART ERV facilitates improved indoor air quality (IAQ) while recovering most of the energy that is lost by traditional ventilation methods. Instead of exhausting building energy, the SMART ERV takes advantage of the energy already used to heat, cool, humidify, or dehumidify incoming air.

There is a common perception that Energy Recovery Ventilators (ERV's) handle a lot of moisture so they tend to freeze in cold climates. Please note that our SMART ERV has a [built-in frost control](#) feature. The frost control is achieved by reducing the amount of cold intake air relative to the warm exhaust until the temp differential is achieved again at the wheel. It all has to do w/ the indoor RH and the outdoor temp and the set-point on the ERV (which goes to -10).

SMART *air & energy solutions*<sup>TM</sup> is a collection of HVAC products designed to enhance comfort, improve indoor air quality, and save energy for homeowners. Today everyone understands we need to explore options for saving energy – while remaining comfortable in our homes. SMART *air & energy solutions*<sup>TM</sup> offer products designed to provide economical options, while maximizing comfort.

Go to [www.smartairandenergy.com](http://www.smartairandenergy.com) for details.

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