

ComfortDRY+

NOVELAIRE
Creating the Great Indoors™

Changing the Way You Think About Energy Recovery **Advanced Humidity Control**

The ComfortDry+ ERV creates **healthier learning environments** while reducing your school's energy costs. This advanced system delivers consistently **dry, comfortable air** that helps students focus better and reduces mold-related health issues. Schools typically see **20–30% energy savings** year-round through intelligent

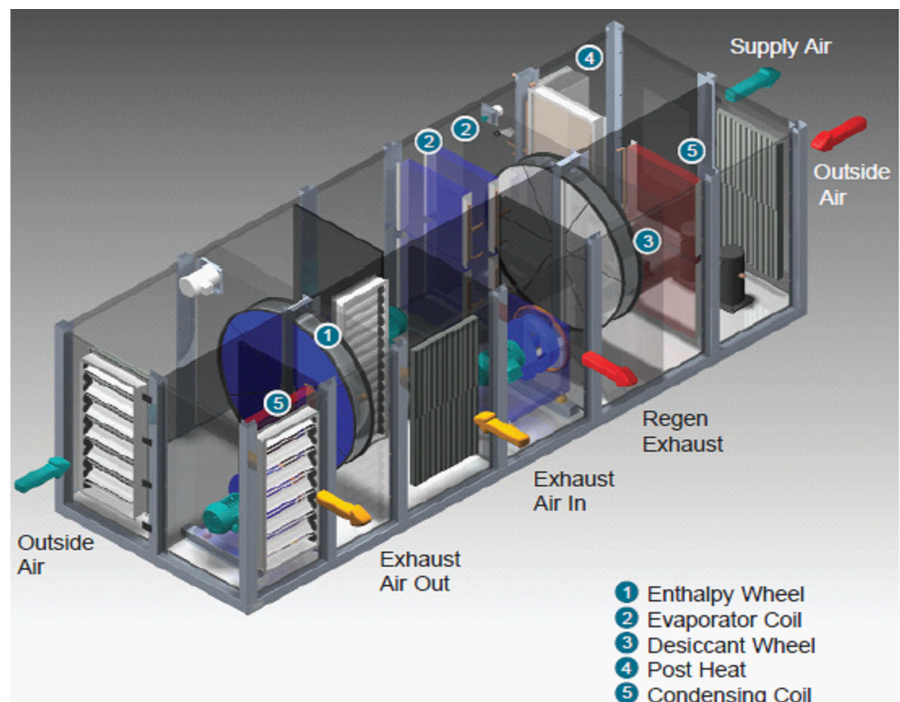
energy recovery technology. The system maintains optimal humidity levels in classrooms, gymnasiums, and cafeterias without the high operating costs of traditional HVAC systems. Customizable heating options ensure perfect comfort in every season.

FEATURES:

- Provides up to 100% OA to the space at dew points <45°F
- Flexible sizing, 2000 – 15,000 CFM units
- Quality, double-wall cabinet construction
- Independent humidity control
- AHRI certified energy recovery wheel
- Proprietary NovelAire desiccant wheel

BENEFITS:

- The second wheel provides unmatched energy efficiency by driving dewpoints lower than standard ERV units
- Helps to prevent mildew & dust mite growth
- Helps to preserve buildings by reducing moisture & condensation
- Delivers a comfortable, cool and dry environment in both summer and winter



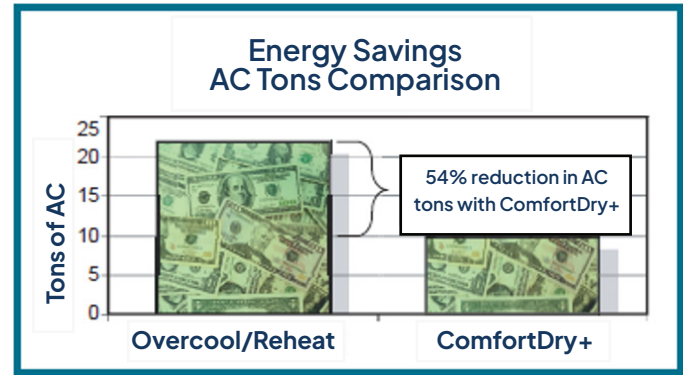
The **ComfortDry+** unit
sizes range from 2,000 to 15,000 cfm.

HOW IT WORKS

COMFORTDRY+ ERV UNIT:

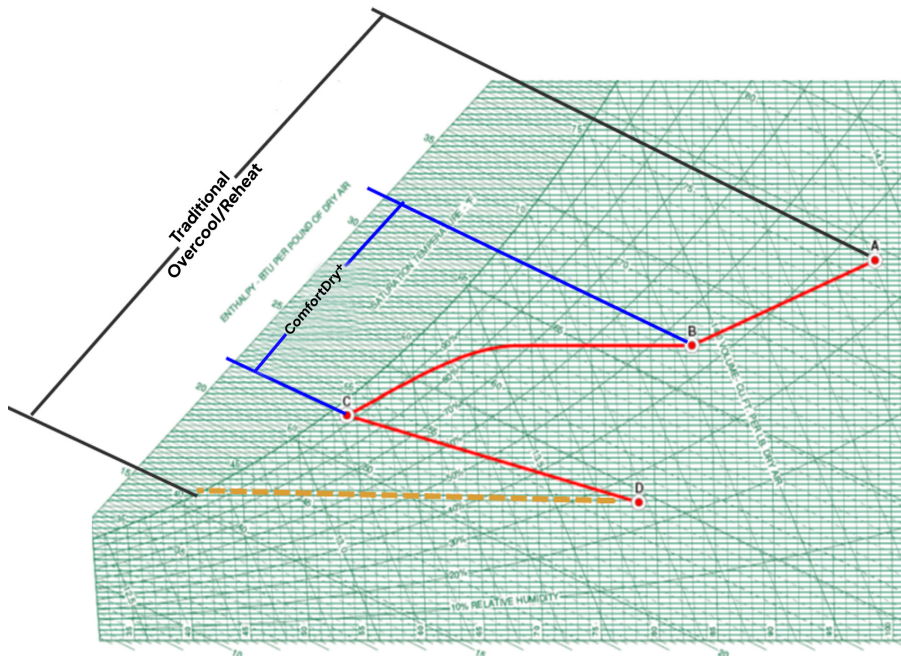
- **Energy Recovery Wheel** - Exchanges enthalpy between outdoor and exhaust air
- **Dehumidification Section** - Cooling coil plus desiccant wheel for low dewpoint air
- **Energy Efficiency** - ERV section tempers outdoor air to reduce and simplify DX requirements for dehumidification
- **Superior Performance** - Desiccant wheel after DX section achieves lowest supply air dewpoints with significantly less energy than overcool/reheat methods
- **Flexible Operation** - DX section operates independently in recirculating dehumidification mode when ventilation air isn't required, significant energy savings through unoccupied mode to maintain space latent load

Operating Savings vs. Traditional Methods



Basis: 4000 cfm, 95/78wb outside air, 78/45DP supply air

THE PERFORMANCE ADVANTAGE - COMFORTDRY +



Using an Energy Recovery Wheel in conjunction with waste condenser heat to reactivate a desiccant wheel uses up to 50–60% less compressor capacity than traditional overcool/reheat methods.

NOVELAIRE

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