

ConsERV™ in Critical Environments

Offering energy recovery ventilation in harsh environments with zero leakage and high effectiveness.

Zero Leakage

- ConsERV energy recovery cores are certified by the independent Air Conditioning & Refrigeration Institute (ARI Standard 1060).
- Zero exhaust air transfer ratio (EATR) = tracer gas does not communicate from the exhaust air to the incoming fresh air.
- C500S core achieved zero EATR at all three pressure differentials tested, even when negative pressure gradients favored leakage into the fresh air stream.
- No dynamic seals to wear or deform over time - the seals surrounding our energy recovery core remain effective for the life of the unit and don't require periodic maintenance.



A Participating Corporation in the
ARI Energy Recovery Ventilation Certification Program

Safety

- ConsERV moisture transfer membranes contain tightly bound acids that discourage biological growth (bacteria, mold, fungus, etc.) and remain locked into the membrane structure for continued effectiveness throughout the life of the product.
- Hermetic membranes transfer water at a molecular level - there are no pores present to allow viral or bacterial contaminants through the membrane.
- Membrane surfaces do not travel between environments - the surface exposed to exhaust air is never exposed to the fresh air supply and cannot carry contaminants between air streams.

High Performance

- The unique ConsERV moisture transfer membrane delivers effectiveness equal to or greater than most competitors.
- Elimination of moving parts reduces parasitic electrical consumption.
- Simple recommended maintenance:
 - Change air filters according to manufacturer recommendations.
 - Vacuum the entrance faces of the energy recovery cores twice a year with a soft bristle attachment.
- 10 year limited warranty on energy recovery cores

Low cost of ownership + high performance
= satisfied customers

