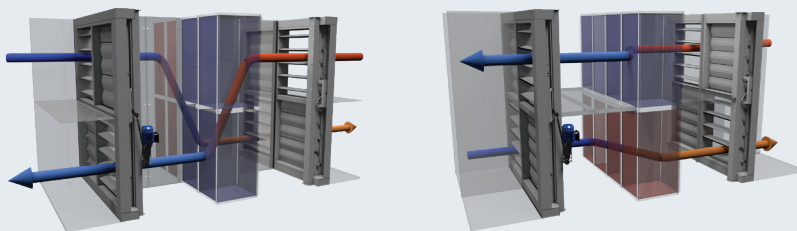




INNOVATIVE ENERGY RECOVERY

## ACCUBLOC ENERGY RECOVERY

With efficiencies upwards of 95%, the Accubloc heat exchanger can have a dramatic impact on the amount of heat needed to maintain space conditions. Not only does this result in lower energy costs, but can greatly reduce facility CO<sub>2</sub> emissions.



*Due to its unique design, the Accubloc heat exchanger is capable of over/under or side/side airflow configurations.*

## LATENT AND SENSIBLE TRANSFER, NO PREHEAT REQUIRED

- **Latent energy transfer in winter reduces humidification loads** (with aluminum media)
- **Latent energy transfer in summer exceeds enthalpy wheel performance** (with aluminum sorption media)
- **No preheat required; media will not freeze** in cold climates due to the alternating airstream strategy

BUILT **TO ORDER**. BUILT **FOR EFFICIENCY**. BUILT **TO LAST**.

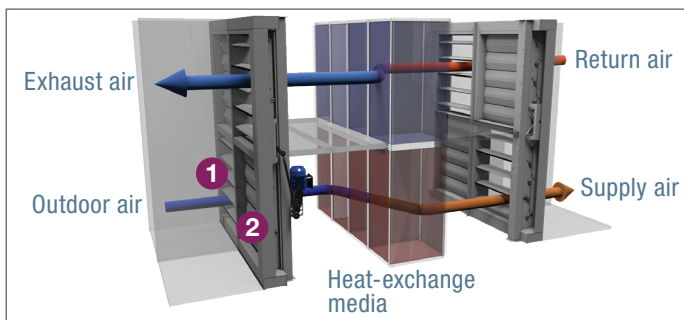


## A UNIQUE AND PROVEN APPROACH TO ENERGY RECOVERY

Unlike an enthalpy wheel that rotates between two separated airstreams, Accubloc's heat exchanger modules are fixed in place. Energy transfer occurs by controlling return and outdoor airflows through two banks of fast-acting two-position dampers. Every 20 seconds the dampers open or close causing airstreams to shift, charging and discharging energy between the return and outdoor air.

Features and benefits:

- **Customizable face width and height** to meet any job-specific footprint requirement
- **Industrial-grade dampers and actuators** for years of reliable operation
- **Lowers humidification requirements in winter** by recapturing moisture that condenses in the heat-exchange media



*Alternating dampers open or close every 20 seconds to charge or discharge energy in the heat-exchange media.*

*In this side-by-side airflow configuration, outdoor air enters Damper 1 with Damper 2 closed. Twenty seconds later, outdoor air enters Damper 2 with Damper 1 closed. The other side-by-side dampers alternate similarly.*

## BEST ACCUBLOC APPLICATIONS

- **Extremely cold climates (design below 0 °F)** because no preheat is required and the media transfers energy at all temperatures
- **Where ventilation cannot be interrupted** such as for a frost-mitigation cycle or because continuous outdoor air ventilation is required to reduce virus transfer
- **Where building owners desire net zero carbon emissions.** Accubloc's ultra-high efficiencies greatly reduce (and can eliminate) heating loads
- **DOAS applications** such as K-12 education, industrial, and healthcare where high amounts of fresh-air ventilation requires efficient energy recovery

## LEARN MORE

- Contact your [Innovent Representative](#) to learn more
- Visit the [Innovent website](#) for more information about Innovent products and applications expertise



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