

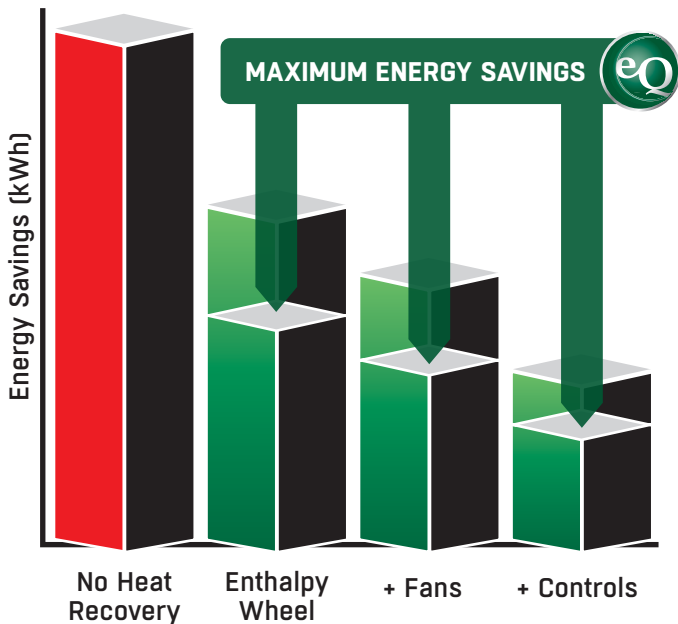
INDOOR AIR QUALITY

ENERGY SAVINGS



## eQ SERIES

ENTHALPY RECOVERY VENTILATION SYSTEM



The SEMCO eQ Series is available with an airflow range of 1,500 to 15,000 cfm. However, this is not your average energy recovery unit. The eQ boasts features that assure maximum benefits and savings for its users.

Each eQ is equipped with a SEMCO 3A enthalpy recovery wheel which provides high latent recovery balanced with pressure drop. This allows for a reduced chiller/boiler plant size and a lower connected load.

Through the use of the **enthalpy wheel** energy is recovered from the exhaust air, and, therefore, less energy is consumed to heat and cool down the supply air.

By using **improved fan and motor technology** electricity consumption by fans is reduced.

**Controlling the system** temperatures, flows, and schedules translates to energy savings.

When all of this technology is combined maximum savings can be achieved. eQ is the solution that gives you high efficiency which translates to a great return on investment.





## Designed With Your Application In Mind

### Consultant / Engineer

- Easier means to achieve energy code compliance - high latent recovery balanced with pressure drop allows for a reduced chiller/boiler plant size and lower connected load (LEED).
- Direct drive plenum fan (high fan and motor efficiency) provides enhanced energy savings and no belt/drive losses.
- Integrated controls optimize wheel speed and simplify operation resulting in maximized wheel run time and expedited sequence writing.
- Multiple opening options and indoor/outdoor configurations simplifies arrangement on drawings.

### Installer

- SEMCO rotor provides latent recovery allowing for less investment in chiller/boiler capacity.
- Plug and play enthalpy recovery unit that requires minimal installation labor.
- Integrated controls interface seamlessly with the Building Automation System.
- Quick and reliable installation thanks to mounted VFDs, single piece unit (most sizes), and lower cabinet weight.
- Straightforward features and operation results in reliable installation and start up.

### Owner / End User

- Great enthalpy recovery efficiency and return on investment
- Luxury of easy component access - even before maintenance is required, the on board controls will provide indication when a filter needs to be changed or if there is need to check on the system.

### eQ KEY BENEFITS

- Most energy efficient ERU in market cfm range
- Best Market cost to Efficiency product
- Numerous integrated controls options
- Low total installation cost (all but two largest sizes ship in a single piece)
- Simple controls packages provide powerful energy optimization, lowering costs.
- Robust low leakage, 2" double wall Galvalume casing offers a tight seal - indoors or outdoors.
- Double sloped roof on outdoor units standard
- Over/Under configuration takes up less footprint
- MERV 13 filters as standard meet LEED prerequisite requirement - easy replacement with better indoor air quality



Based on our e<sup>3</sup> concept, we provide innovative and sustainable products to help you achieve or surpass your environmental targets while optimizing your investment and Life Cycle Cost.

### EXPERIENCE & EXPERTISE

With over a half-century of innovation and expertise to share with our customers, SEMCO® is a global leader in air management. With market presence in 65 countries, we are in a unique position to be a local supplier and an international partner in our customers' projects. Our constant aim is to provide systems that precisely deliver the best indoor air quality and performance, while maximizing energy efficiency.

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**WE BRING AIR TO LIFE**