

ECONOMIZER

ENTHALPY RECOVERY VENTILATION SYSTEM

Economizer is designed to enhance the SEMCO FV-T and SP enthalpy recovery modules. Reference enthalpy control, plus dewpoint control and lower fan power consumption is an investment in indoor air quality and energy savings.

The SEMCO Economizer is a step ahead of the competition by combining a high-efficiency ERV with an advanced integrated economizer capability in compliance with ASHRAE 90.1 - 2013. All models are designed with true 100% outdoor economizer airflow capability, the lowest overall fan energy, and the highest total energy wheel efficiency to improve system EERs and minimize installed cooling/heating/humidification capacities. Each model also contains advanced controls interlocking compressors with economizer modulation, advanced differential enthalpy control for optimum energy savings and space humidity control.

The Economizer features low-leak dampers (<3 CFM/sq. ft), proper separation of intake and exhaust, and the lowest fan energy in the industry. With SEMCO Economizer and a SEMCO FV-T, or SP enthalpy recovery ventilation system, you will reduce operating costs while improving indoor air quality.

Visit www.semcohv.com for more information.



Use of the AHRI Certified™ mark indicates a manufacturer's participation in the certification program. For verification of certification for individual products, go to www.ahrinet.org.

KEY BENEFITS

- Improved Indoor Air Quality (IAQ) due to increased ventilation, code-compliant intake/exhaust configuration, and highest ventilation effectiveness
- Highest energy recovery efficiency in the industry
- Low day-to-day operational expense
- Exceeds current building energy code requirements and ASHRAE 90.1-2013
- Top-quality components reduce associated service calls and maintenance
- Required outdoor air quantities are always supplied
- Energy savings in both cooling and heating/humidification



Economizer

Economizer: the first option for packaged roof top units that meets the ASHRAE 90.1-2013 fan horsepower requirement while providing 100% of the rated airflow of its associated rooftop unit.

Clean look, packaged controls, and simple installation make the Economizer the solution to make your rooftop application code compliant.

Operation of the economizer will factor not only temperature differential, but also enthalpy differential to maximize the hours of beneficial recovery wheel operation.

Design includes wheel bypass, meaning maximum reduction in fan operation during Economizer operation.

Along with the wheel, optional control packages are available to maximize wheel operation and mitigate frosting potential.

Consistent SEMCO value-added features come with the new offering including the industry best recovery efficiency ratio, and AHRI Certified near equal sensible and latent transfer.

SEMCO FV-T AND ECONOMIZER

The FV-T selected with the integral Economizer option allows compliance with ASHRAE 90.1 – 2013 providing true 100% outdoor economizer airflow capability with low fan hp, low-leak dampers and advanced controls interlocking the compressors when mounted to the Trane®Voyager® rooftop air conditioner system to provide optimum energy savings.

The SEMCO FV-T is a packaged system which includes supply and exhaust air fans, outdoor and return air filtration, and the SEMCO TEC total energy recovery wheel.



SEMCO FV-T

EXCELLENCE IN SOLUTIONS

FläktGroup SEMCO delivers smart and energy efficient Air Distribution and Air Quality solutions to support every application area. We offer our customers innovative technologies, high quality and outstanding performance supported by more than fifty years of accumulated industry experience. The widest product range in the market, and strong market presence in 65 countries worldwide, guarantee that we are always by your side, ready to deliver Excellence in Solutions.

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