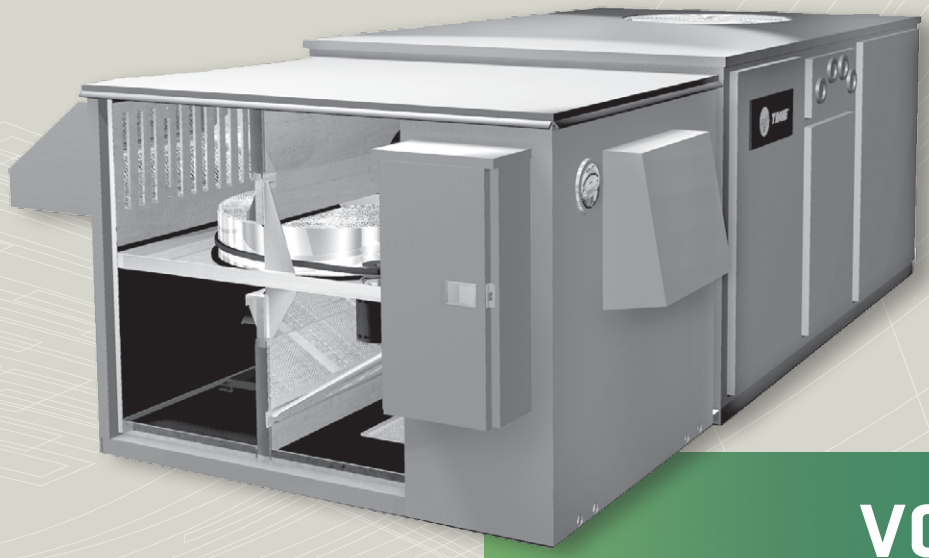
INDOOR AIR QUALITY

ENERGY SAVINGS



VOYAGER FV-T RECOVERY MODULE

VOYAGER FV-T KEY BENEFITS

- Economical Compliance With ASHRAE Standard 62
- Reduced Equipment First Cost
- Improved Cooling Season Humidity Control
- Reduced Humidification Requirements During the Heating Season
- Improves the IAQ of Existing Facilities
- Improved Comfort of Occupied Spaces
- Efficient and economical design
- Entire cabinet insulated to minimize energy loss

The SEMCO FV-T Recovery Module of outdoor air Preconditioners has been specifically designed to reduce the energy required to cool or heat the outdoor air by as much as 80%. The FV-T Preconditioner also allows the Trane Voyager™ roof top air conditioner system to effectively and economically accommodate the three-to-four- fold increase in outdoor air quantities, which is recommended by the ASHRAE Standard 62, Ventilation for Acceptable Indoor Air Quality. This unique capability allows both new and existing buildings to benefit from healthy indoor environments.

A SEMCO FV-T Recovery Module is designed to improve humidity control when combined with the Trane Voyager™ rooftop equipment. Because the SEMCO unit preconditions the incoming air to the packaged equipment, the required refrigeration capacity can be reduced by as much as 70 percent. Thus, the costs of the FV-T Preconditioner and its installation are typically offset by the reduced size of the Voyager™ system.

AHRI CERTIFIED®
www.ahridirectory.org
Air-to-Air ERV
AHRI Standard 1060
Energy Recovery COMPONENT is certified. Actual performance in packaged equipment may vary.

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.

SEMCO®
A Fläkt Woods Company

System Design

- Compact, low profile design to conform to typical architectural requirements.
- Easy access to all internal components through a large hinged access door and removable roof panel.
- Outdoor air inlet and exhaust air outlet located at opposite ends of unit for maximum separation.

The TEC Total Energy Wheel

- AHRI certified total energy (both sensible and latent) recovery performance.
- Easily removable wheel cassette module.
- Surpasses NFPA-90A requirements having a smoke and flame spread rating of 0 and 0, vs. 50 and 25 allowed by the standard.

Cabinet Construction

- Galvanized steel cabinet construction with enamel finish.
- Floor built as a pan to ensure watertight design.
- Supply and Exhaust Air Fans
- Sized for quiet and efficient operation.
- Mounted and balanced

Electrical Package with Single Point Connection

- All motors wired to starters.
- Accepts contact inputs for supply fan start/stop, wheel start/stop and unit start/stop.
- Multiple options on input voltage to units

Filter Sections

- Filtration provided for both outdoor and return air.
- Hoods and Dampers
- Airflow balancing dampers.
- Unit provided with an intake hood with cleanable filter to limit rain and snow introduction.
- Exhaust air back draft damper.

AQFlow® Airflow Measuring System

- Simpler, more accurate system balancing in just five minutes.
- Easy measuring and adjusting of outdoor and exhaust air quantities.
- Accurate airflow (+/-6%) for the stand-alone FV-T unit or when mounted to a package rooftop unit where measuring outdoor air quantities is difficult.
- Reduced calls to engineers regarding air quantities.
- Peace of mind that proper ventilation is being provided to building occupants.
- Quick detection of problems like dirty filters, motor failure, power outage, etc.
- Meets intent of current ASHRAE standards for monitoring delivered fresh air quantities.

e³ ENVIRONMENT ECONOMICAL EXPERTISE

Based on our e³ 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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