

Sentinel® Vertical Unit Ventilator

UPRIGHT ALTERNATIVE TO UNDER THE WINDOW UNIT



PRODUCT DESCRIPTION

The Sentinel® Chilled Water/Hot Water Vertical Unit Ventilator (VUV) improves on a tried-and-true under-the-window unit ventilator product line. The unit is engineered to provide enhanced fresh ventilation air capabilities, quiet and energy efficient operation, and a small footprint in a vertical package to minimize floor space used.

- Model Types: UVV (Valve Control) or UVD (Face & Bypass)
- Available in 30, 40, 50, 60 and 80 nominal MBH
- Chilled water, hot water, and a combination of chilled and hot water (two-pipe or four-pipe configuration)
- Sentinel® High Humidity model is available with chilled water outside air pretreatment coil with options for electric or hot water preheat
- Components are accessible through the lockable, hinged front door for ease of serviceability
- Engineered to provide proper amount of fresh air to the classroom while minimizing energy consumption
- Primary 2" filters (up to MERV 13)

SENTINEL® CHILLED/HOT WATER UNIT VENTILATOR

The Sentinel® unit ventilator is the perfect solution for schools that have to improve the indoor air quality of their classrooms. It operates in conjunction with a school's central chiller/boiler plant.

STANDARD FEATURES	Sentinel®	Sentinel® High Humidity
Modulating economizer damper providing 100% free-cooling and minimum fresh air requirements	✓	✓
2" radial pleated disposable cotton and synthetic blend filters (up to MERV 13)	✓	✓
Primary 6 row chilled water coil	✓	✓
Aerodynamic supply air fan with EC motor designed for ultra-high efficiency and low noise	✓	✓
Outside Air Pretreatment Chilled Water Coil		✓
Dedicated Outside Air Fan with EC motor		150 - 500 CFM
Aluminized steel casing with a durable polyester powder coat paint finish	✓	✓
Modine Controls System	✓	✓
1. The outside air pretreatment coil can dehumidify outside air (up to 500 CFM) before the air mixes with return air. 2. The outside pretreatment coil has options for coil freeze protection for environments that may experience sub-freezing outside air temperatures (recommended for OA 37F and below).		

OPTIONAL FEATURES

Factory supplied BACnet compatible controls	✓	✓
Powered or gravity relief	✓	✓
Energy recovery wheel with up to 100% economizer capability	✓	
Three-speed switch	✓	✓
Hot water and chilled water valve and piping packages (for valve control units)	✓	✓
1" outside air filters for pretreatment coil (MERV 8)		✓



SENTINEL® VERTICAL UNIT VENTILATOR IS ALSO AVAILABLE IN HIGH HUMIDITY PACKAGE

- Enhanced dehumidification capability in humid climates such as the Gulf Coast states
- Dedicated outside air pretreatment coil
- Outdoor air fan to ensure the specified volume of outdoor air
- One-row hot water coil or electric heat is available for freeze protection

As Modine Manufacturing Company has a continuous product improvement program, it reserves the right to change design and specifications without notice.



Modine Manufacturing Company
1500 DeKoven Avenue
Racine, Wisconsin 53403-2552

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