

Sentinel® Vertical Unit Ventilator

UPRIGHT ALTERNATIVE TO UNDER THE WINDOW UNIT



PRODUCT SPECIFICATIONS

- 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.

Airedale specifically designed and engineered the Sentinel to provide the proper amount of fresh air ventilation, and to enable schools to minimize their energy consumption. Modine Controls System is standard on Sentinel units to maximize efficiency, reliability, and serviceability.



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

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 dehumify 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 exhaust or gravity exhaust	✓	✓
Energy recovery wheel	✓	
Face and bypass	✓	
Three-speed switch	✓	✓
Hot water and chilled water valve and piping packages	✓	✓
1" outside air filters for pretreatment coil (MERV 8)		✓