Air Side Products - From basic comfort cooling to a custom-designed part of a sophisticated HVAC system



Withair® Air Side Products are distributed heating and cooling equipment designed to locally condition the air for the space they serve. A fan coil unit can either be exposed with a painted metal cabinet occupying the conditioned space or recessed with a wall plate or ductwork connecting it to the conditioned space.

The Withair® portfolio of Fan Coil Unit, Variable Air Volume Unit and Air Handling Unit is designed to make installations faster and easier, offers temperature and humidity control, heat recovery, deodorization, energy saving and air purification, and to maximize HVACR system performance. Using advanced technology, such as: ECM motor, single-zone, these systems quietly, temperature stability, reliably and efficiently deliver the comfort your building occupants need.

Whether it's air handlers for centralized cooling, fan coil units for individual spaces or almost anything in between, Withair® offers a comprehensive range of airside equipment suited for a long list of commercial and industrial applications. And while comfort is something you can feel, many airside products also deliver benefits you can't see or hear – enhanced indoor air quality and quiet operation, for starters.

Withair® offers a full range of air side products and systems to meet your performance requirements. From 200CFM to the highly flexible 60,000CFM with numerous custom options, to a compeletely custom, energy efficient, environmentally responsible system, we have the optimal solutions for commercial, industrial and process applications.

AIR SIDE PRODUCTS - MAXIMIZING HVACR SYSTEM PERFORMANCE !

Variety of Chilled Water Fan Coil Units (FCU)

Overview

Withair® Fan Coil Units (FCUs), provide maximum performance, unparalleled design flexibility and superior serviceability. The extensive selection of available standard and optional features provides the versatility you need to fit any heating, ventilation and air conditioning system design.

Withair® Fan Coil Unit is designed and manufactured on the base of advanced technology, and utilizes qualified galvanized iron as structure material. The most obvious advantage is that it can decrease the outlet air temperature difference as low as possible to make the room more comfortable, as well as doesn't reduce the cooling capacity output. for the large air flow volume design, it can increase room ventilation frequency, supply more fresh air, and balance room temperature distribution.

Model W05F Series

Airflow range (CFM): 200 - 1,500
Power supply: 50 and 60 Hz
Ideal applications: Apartment; Office building; Hospital; Hotel; Airport; Factory; etc.
Unique features: Optimized performance; Superior serviceability; Flexible design; Compact size; Heavy-gauge, galvanized-steel casing construction; Thick fiberglass insulation; Side-access electrical enclosure; Sloped drain pan, Removable fan assembly; 1" throwaway filters; Externally insulated; 3-tap PSC motors; Horizontal, vertical, and reduced footprint designs; Easy to install.
Factory-installed options: Ultraviolet band C (UV-C) germicidal lamps; Auto air vents; Insulated plenum; Mixing box with linkage; Damper actuator ; Foil-faced insulation; Closed-cell foam insulation; Stainless-steel drain pan; Stainless-steel coil casings; Condensate-overflow switch; Double-deflection discharge grille; pleated filter; Piping package; Thermostats; Anti-corrosion; etc.



Variable Air Volume units (VAV)

Overview

Withair® Variable Air Volume units (VAV) are among the industry leaders in quality and reliability and are designed to meet the specific needs of today's applications, and designed for efficient, long-lasting performance with a unique range of configurations including single-duct, series-flow and parallel-flow HVAC boxes. This next-generation of Withair® units builds upon Withair's of high quality and reliability and expands the products into one of the most complete variable-air-volume units offering in the industry. Our units feature rugged variable-air-volume units construction, are available in several different profiles to suit the space available, and all utilize digital controls for energy-efficiency and to facilitate interface with building management systems.

Model W05F Series

Airflow range (CFM): 1,500 - 35,000
Power supply: 50 and 60 Hz
Ideal applications: Healthcare facilities & pharmaceuticals; Industrial & specialty applications; Office building; Commercial spaces; Hospital; Hotel; Airport; Schools; Factory; Shopping mall etc.
Unique features: Optimized performance; Superior serviceability; Flexible design; Compact size; Heavy-gauge, galvanized-steel casing construction; Thick fiberglass insulation; long-lasting performance through quiet, precise airflow to the occupied space; maximize building air quality.
Factory-installed options: Ultraviolet band C (UV-C) germicidal lamps; Piping packages; Controller; Piping package; Anti-corrosion; etc.



Air Handling Units (AHU)

Overview

Withair® Air Handlers are compact and fully assembled. They combine versatility with economical, dependable performance for heating, cooling, ventilation, and variable air volume applications. Galvanized steel panels ensure structural integrity under all operating conditions. Double-walled hinged access doors also enhance structural stability and provide fast, easy access. A sloped, double-wall stainless steel drain pan controls condensate and complies local codes.

Designed to optimize your HVAC system: Withair® air handlers can help HVAC systems achieve higher energy efficiency and indoor air quality while reducing maintenance requirements – adding life to buildings and improving the lives of people within them.

Withair® offers a full range of air handling equipment and systems to meet your performance requirements. From 1,500cfm to the highly flexible 60,000cfm with numerous custom options, multi-static pressure choice, compact structure, humidifier, perfect cooling and heating performance, optional with air valve, water baffle, etc. to a completely custom, energy-efficient, environmentally responsible system, Withair® has the optimal solution for commercial, industrial, institutional or process applications. All Withair® AHUs are designed to be energy-efficient, with several energy recovery options available to minimize energy consumption. we also offers several dehumidification options.

Model W05F Series

Airflow range (CFM): 1,500 – 60,000+
Power supply: 50 and 60 Hz
Ideal applications: Healthcare facilities & pharmaceuticals; Industrial & specialty applications; Office building; Commercial spaces; Hospital; Hotel; Airport; Schools; Factory; Shopping mall etc.
Unique features: Optimized performance; Flexible design; Compact footprint; Design flexibility; Reliable serviceability; Robust construction; Easy to install; Double-wall construction; etc.
Factory-installed options: Ultraviolet band C (UV-C) germicidal lamps; Sound attenuators; Filter options from MERV 8 flat filters to face loaded HEPA filters; Energy recovery ventilator (ERV); Water coils; Refrigerant coils; Steam coils; Electrical heat; Humidifiers; Anti-corrosion; etc.





AIRADAY® Life Air System

All-In-One Full Fresh Air Temp. & Humidity Control System

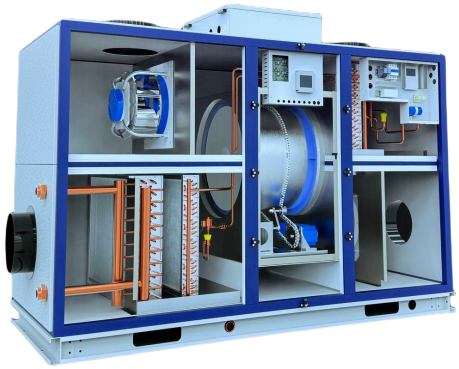


* 100% Fresh Air
* Anhydrous Humidification
* Deep dehumidification
* Temperature Control System









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Benefits At A Glance

The industrial-grade design Withair® air side products meet the demands of precise indoor environments, including clean rooms and high-tech processing areas, and reduce energy costs and minimize carbon footprint, provide high performance and set the standard in the industry for construction, performance, and quality, provide operating cost savings through reduced central fan horsepower and use of waste heat recovery.

For Building Owners and Managers

- Quiet operation
- Easy to maintain
- Reliable operation
- Reliable performance
- Advanced IAQ solutions
- Outstanding life cycle cost
- Optimized designs for lowest first cost
- Custom solutions for the most difficult projects
- Precision engineered for long, reliable performance
- Compact designs for maximum space in tight mechanical rooms
- Low-leakage, energy efficient unit design with low life cycle costs

For Consulting Engineers

- Simple to specify
- Antimicrobial coating
- System-integrated controls
- High-efficiency optimization
- Compliant local code requirements
- Quick response technical support services
- Complete packaged systems with single source responsibility
- Highly knowledgeable engineering support for challenging applications
- True custom equipment tailored to performance, budget and space requirements
- Virtually limitless options for fans, motors, heating, cooling, humidification,filtration and energy recovery components

For Contractors

- Easy to service
- Compact footprint
- Easy to break down
- Ideal for replacement
- Reliable performance
- Reduces installation expenses
- Designed for ease of installation and shipping
- Experienced technical & sales staff at your service
- Factory testing in the production facilities for guaranteed unit performance
- Knock-down construction, available for hassle-free on-site assembly

Premium manufacturer in HVACR products
for Heating,Cooling and Indoor Air Quality.

Learn more at www.withairgroup.com
or follow us info@withairgroup.com

About Withair ®

Withair® is the premium manufacturer in sustainable energy solutions supplying HVACR products & services for heating, cooling, hot water, indoor air quality, industrial refrigeration, and heat recovery that reflect today's demand for sustainable construction, comfortable indoor climate and industrial cooling & heating process application.

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