



Efficient, Innovative, Engineered Solutions

Representatives for High Performance Environments products:

Custom Air Handling Systems:



True customized air handler systems utilizing state-of-the-art HUNTAIR FANWALL Technology®: used in hospitals, laboratories, institutional buildings and industrial manufacturing as the smallest, maintenance free, energy efficient and quietest system available on the market today.



Ventrol's comprehensive range of air handling equipment incorporates FANWALL Technology® for maximum energy efficiency and low-noise performance. Commercial and retail offices as well as educational buildings are Ventrol's customer base, while they also specialize in knock down air handlers.



Governair: Manufactures HVAC systems for commercial and industrial projects, with expertise in DX and gas-fired packaged air handlers.



Temtrol: Manufactures modular designed air handler's to meet semi-custom requirements. They have designed and manufactured OEM and replacement coils for over 50 years.



Complete mechanical rooms which can be incorporated into building utilities as a plug and play system to reduce construction and commissioning time, with the option for the system to be factory tested and then shipped out. Wide range of products: chillers; chiller plants; AHUs; controls; and water-source heat pumps; designed to meet the varying needs of different owners and building types. Custom engineer the right solution for your application, whether the goals are efficiency, reliability, acoustic performance, or interconnectivity with other products and control systems.



A selection of air handlers available for application specific designs that utilize Semco's excellent energy recovery technologies.

Laboratory/Hospital Airflow:



Phoenix Controls offers the complete energy efficient precision air flow control solution by reducing energy consumption without sacrificing employee's safety, comfort and research for:

- Laboratories, intense wet chemistry, high level biocontainment, clean room manufacturing applications
- Hospital operating rooms, Post-Op rooms, ICU's
- Office buildings



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Energy Recovery:



A proven technology, Konvekta is the most efficient energy recovery system available. Konvekta has been the basis of design in Europe for the past 28 years and is now available in North America for the first time.

Key attributes include: Financial Performance Guarantee; De-coupled supply/exhaust tunnels; Self-validating, System optimization controls; LEED Credits; Lower air-pressure drop than traditional coils; Can incorporate heating/cooling from other sources; Space savings for new construction; Ideal for retrofits.



Semco's energy recovery wheels offer highly efficient solutions for a variety of applications. The superior construction and materials used allows the wheels to virtually eliminate cross contamination. Modular wheels are also available for retrofits to restore or improve the energy recovery of an existing system.

Airflow Control:



Aircuity's *OptiNet* is a comprehensive suite of technologies targeted at delivering energy efficient, healthy, commercial and building ventilation control strategies. OptiNet's multiplexed sampling system senses a multitude of indoor environmental parameters throughout a facility to deliver the most accurate and dependable ventilation performance with the best payback in the industry.

Humidification:



The most rugged and simple custom designed Direct Steam Injection, Steam Heat Exchanger, Electric Self-Contained Humidifiers, Gas Fired Humidifiers, Accessories.

Chillers and Cooling Towers:



Smartd oil-free centrifugal chillers offer the highest IPLV energy efficiencies and the lowest lifetime operating costs in their capacity ranges - 60 TR through 1200 TR in water cooled, and 60 TR through 450 TR in air cooled.



With over 30 years of experience, Sunwell's Deepchill™ process with pumpable ice slurry can be used in a variety of systems and applications for efficient cooling and thermal storage.



Delta's factory assembled cooling towers have a seamless, molded design and are not prone to leaking or rusting, and never need to be sealed. The cooling towers and packaged cooling systems allow for simple installation along with great performance for both industrial and HVAC applications.



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Cleanrooms and Operating Rooms:



Cleanpak products continually advance all standards of clean environments by controlling the full process of cleanroom development, from design concept to project completion. Our cleanrooms are setting precedents for the micro technology, semiconductor, biotechnology, and pharmaceutical industries.

CLEANSUITE®

Operating Room Air Distribution

A new method of providing the cleanest modular, ceiling-hung plenum system with integrated filtration, electrical, piping and structural equipment supports. Its other uses include surgery centers, outpatient rooms and other laminar flow applications requiring low turbulence airflow and optimized contamination control.

Filtration and Extraction:



The best and most efficient complete line of ASHRAE filters including hardware, housings, molecular filtration, dust collectors and cartridges. Nuclear, biological and chemical containment systems. H.E.P.A. filters and housings for Cleanrooms and Operating Rooms.



Deep bed air scrubbers for removing contaminants. Simple and effective solutions for control of highly toxic, corrosive and odor-causing gas emissions such as Hydrogen Sulphide (H₂S), Sulfur Dioxide (SO₂), Chlorine (CL₂), Nitrogen Oxide (NO_x), Ammonia (NH₄), Ozone (O₃), Hydrocarbons (VOCs), Amines, Indoles, Mercaptans, Scatoles.

Variable Frequency Drives:



Emerson Control Techniques is a world leader in the design, manufacture and support of Electronic Drive and Drive support products which includes: AC Drives, DC Drives, Servo Drives, Soft Starters, and Packaged Drive Systems. Control Techniques combines extensive industry experience, modular drive design, powerful technology and advanced tool kits to provide complete industrial automation solutions with complete local support in custom panel designs.



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Coils:



Temtrol has been involved in the design and manufacturing of OEM and replacement coils for over 50 years.



Heatcraft coils are custom engineered to meet the customers exact heat transfer requirements. Heatcraft coils utilize materials such as copper, aluminum, stainless steel, carbon steel and admiralty brass to deliver the heat transfer product that best meets the customer's needs.

Air & Waterside Products:



Originating from Europe, they manufacture unique vertical ERVs as well as provide comfort ventilation products comprising of fans, air handling units, products for air distribution, air curtains and heating products. Safety ventilation comprises fire safety as well as garage and tunnel ventilation.



Change 'Air manufactures five series of classroom air handlers that can be customized and adapted to meet your heating, ventilation and air conditioning needs. While the look and design of our line of products fits well into new buildings, they are often the design of choice when renovating or upgrading existing buildings or additions.



Titus H2O waterside products: chilled beam, fan coils and air handlers



Addison is a leading supplier of 100% OSA air handlers and heating, cooling and dehumidification products primarily for commercial and industrial installations. These products can be used in new construction and retrofit applications.



Semco's active and passive chilled beams are offered in a wide range of airflows and can be adapted to meet many requirements.



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Manufacturer's Representatives for HVAC products:

FANS:



HUNTAIR FANWALL Technology®: specializing in retrofits, hospitals, laboratories, institutional buildings and industrial manufacturing.



Twin City Industrial Fans. Their centrifugal, plug, radial bladed, radial tip & high efficiency, tube axial and vane axial fans can be made with special materials, coatings, custom safety guards, spark resistant construction, explosion proof motors, and high temperature designs to meet job specific requirements.

(Note: Aqua Air represents only industrial fans in Southern Alberta)

CHILLING / HEATING:



Radiant Panel technology, Force Flow, Unit Heaters.

GAS DETECTION:



CETCI is a Canadian based company supplying high quality gas detection systems for commercial, institutional, municipal, and light industrial applications.

BOILERS / BURNERS:



Aqua tube bent tube boilers, hot water boilers, high temperature hot water boilers, low and high pressure steam boilers with unique condensing capabilities to preheat Make Up Air handling Units.



The smartest energy efficient combustion control products on the market that can be used on mixed fuel systems.



Oil, gas, and dual fuel burners.



Specifically designed to deliver maximum total efficiency and lowest total emissions, while maintaining a responsive load response low waterside pressure drop, for both the replacement heating boiler market and new construction.

These boilers are designed to fit through a standard doorway, with no tear down and re-assembly required for most retrofit applications.