



First in Quality, **First** in Service.

MECHANICAL PRODUCTS

VOLUME 6

KELOWNA



COMMERCIAL GAS FIRED

Make-Up Air Units

HVAC Products and Services for the Commercial Sector

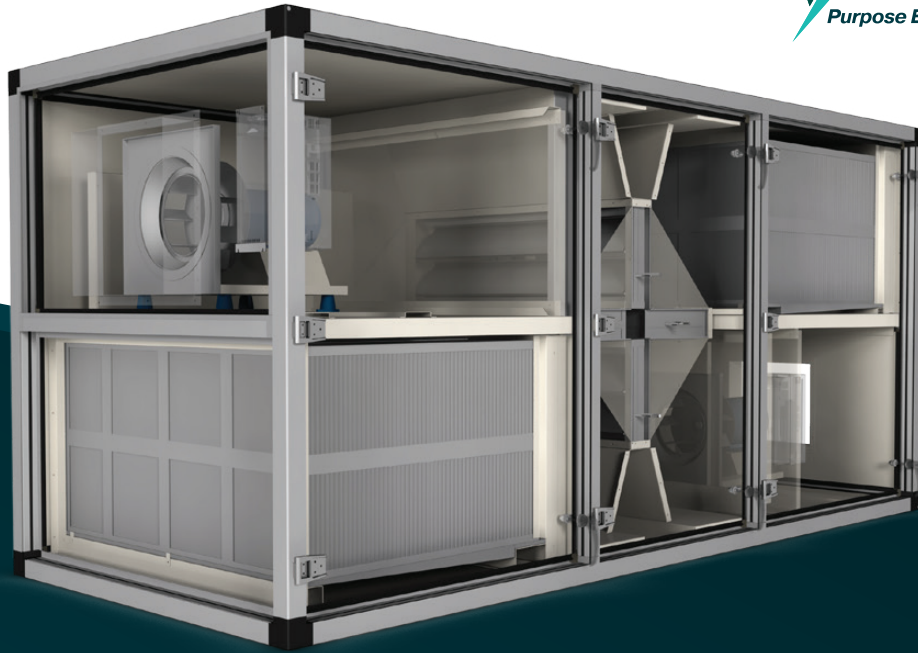
Gas fired make-up air units and air handling units are used throughout the warehouse, transportation garage, restaurant, and manufacturing industries.

The rigorous demands of these applications form the backbone of the Commercial Gas Fired Make-Up Air Series of products. Contractors, engineers and building owners are challenged daily with HVAC construction, design and performance – both in new and retrofit applications. Designers must meet stringent requirements regarding energy efficiency, indoor air quality (IAQ) standards, and life cycle cost. To meet these challenges, SolutionAir has developed the PMI-IF, AW-I, and AW-D series of gas fired make-up air units.



Visit solutionairgroup.com or call 1.204.633.4808

This four-damper design maximizes energy efficiency through separate modes; economizer, recirculation and standby



REGENCORE

THE INDUSTRY'S ONLY HIGH-EFFECTIVENESS ENERGY RECOVERY UNIT WITH FULLY TESTED INDOOR AND OUTDOOR PERFORMANCE DATA

This alternating mass exchanger ERU recovers **both sensible and latent energy** during both heating and cooling seasons, with no preheat required down to outdoor air temperatures of -40°C . Both of these design elements allow all downstream heating and cooling mechanisms to be downsized, leading to **additional savings**.

Our environmental chamber allows for precision testing from 40°C to -40°C

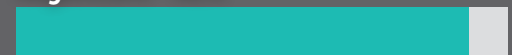


The Environmental Chamber at the SolutionAir Tech Centre in Winnipeg, MB

Industry-leading sensible effectiveness rates up to

92%

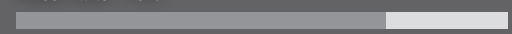
RegenCore - 92%



Energy Wheel - 80%



Fixed Plate - 75%



Heat Pipe - 60%



Source: 2016 ASHRAE Handbook – HVAC Systems and Equipment, Chapter 26, Table 3

e.h.price

Now the **Exclusive Representative**
for **Carrier** Applied and VRF
Equipment in **British Columbia**

CONTACT your local rep today to find out more!



Carrier



Carrier

Carrier
www.carrier.com

- Water-Cooled Chillers
 - Rotary Hermetic Centrifugal: 200 – 3,400 Tons
 - High Efficiency Variable Speed Screw: 175 – 550 Tons
 - Rotary Screw: 75 – 400 Tons
 - Packaged Scroll: 15 – 71 Tons
 - Heat Recovery and Free Cooling Options Available
- Air-Cooled Chillers
 - Packaged Scroll: 10 – 390 Tons
 - Packaged Screw: 80 – 500 Tons
 - Remote Air-Cooled Scroll: 15 – 71 Tons
 - Remote Air-Cooled Screw: 70 – 265 Tons
 - High Efficiency Variable Screw: 140 – 500 Tons
 - Brine Capability (+14°F to 40°F LWT)
 - Heat Recovery Options
- Modular Chillers
 - Module Sizes From 16 – 71 Tons
 - Up to 8 Modules Can be Combined for a Total Capacity of 560 Tons
 - Heat Recovery Capability Up to 140°F (60°C)
- Condensing Units
 - Remote Condensing Units: 5 – 182 Tons



Carrier
www.carrier.com



- Toshiba Carrier
 - 1ph Heat Pump (3, 4, 5 Tons)
 - 1ph Heat Recovery (6, 12 Tons)
 - 3ph Heat Pump (6 – 38 Tons)
 - 3ph Heat Recovery (6 – 38 Tons)
 - Inverter Driven Twin Rotary Compressors
 - Connected Capacity Up to 150%
 - DC Inverter Condenser Fan Motor



- Carrier
 - 1ph Heat Pump (3, 4, 5 Tons)
 - 3ph Heat Pump (6 – 36 Tons)
 - 3ph Heat Recovery (6 – 28 Tons)
 - Inverter Driven Scroll Compressor
 - Connected Capacity Up to 135%
 - DC Inverter Condenser Fan Motor



- Ducted
 - Low Static Duct: 7,000 – 24,000 Btuh Cooling
 - Medium Static Duct: 7,000 – 48,000 Btuh Cooling
 - High Static Duct: 24,000 – 53,500 Btuh Cooling
 - Vertical Duct: 12,000 – 53,500 Btuh Cooling
 - Outside Air Duct: 36,000 – 53,500 Btuh Cooling



- Non-Ducted
 - 4-Way Cassette: 9,000 – 48,000 Btuh Cooling
 - 4-Way Compact Cassette: 7,000 – 18,000 Btuh Cooling
 - High Wall: 5,000 – 30,000 Btuh Cooling
 - Underceiling: 12,000 – 48,000 Btuh Cooling
 - Floor Console: 12,000 – 48,000 Btuh Cooling
 - Floor Console Recessed: 7,000 – 24,000 Btuh Cooling



Carrier
www.carrier.com



- Induction Units
 - 2 and 4 Pipe: 20 – 130 CFM



- Packaged Rooftop Units
 - Gas Heating / Electric Cooling Units: 20 – 100 Nominal Tons



- Dedicated Outdoor Air Units: 6 – 55 Tons



- Indoor Self-Contained Units
 - Water-Cooled: 5 – 30 Nominal Tons
 - DX: 5 – 10 Nominal Tons



- Commercial Split Systems Over 25 Tons
 - Packaged Air Handling Units DX: 6 – 30 Tons
 - Commercial Split System Cooling Only Single Stage: 25 – 65 Tons
 - Commercial Split System Cooling Only Dual-Circuit: 25 – 130 Nominal Tons



- Air Handlers
 - Semi-Custom Central Station Air Handler: 1,500 – 60,500 CFM
 - Packaged Air Handling Units Chiller Water: 7.5 – 30 Tons



- Fan Coils
 - Belt Drive Fan Coils: 600 – 4,000 CFM
 - Ducted Fan Coils: 600 – 3,000 CFM
 - Horizontal Fan Coils: 200 – 1,200 CFM
 - Stack Fan Coils: 300 – 2,000 CFM
 - Vertical Fan Coils: 200 – 1,200 CFM
 - Hydronic Cassette Ceiling Fan Coil Units: 3/4 – 3 Nominal Tons Cooling



Antec Controls
www.antecontrols.com

- Valves
 - Venturi Valves – High Turndown Ratio and Mechanical Pressure Independence
 - Venturi FX – Measured Airflow and Low Pressure Operation
 - Integrated Venturi Valve Assembly Options
 - Performance Guaranteed Venturi with Integrated Silencer Assemblies
 - AHRI 410 Certified Venturi with Hot Water Coil Assemblies
 - UL1995 Certified Venturi with Electric Coil Assemblies
- Monitors and Controls
 - Room Monitors
 - Touchscreen Room Pressure Monitor – High Resolution Touchscreen Display
 - Multi-Variable Monitor – High Resolution Touchscreen Displaying up to 8 Rooms on Main Screen
 - All Monitors Have Native BACnet MS/TP Connection
 - Pace™ Critical Space Controller
 - Volumetric Offset or Pressure Control
 - Temperature and Humidity Control
- Fume Hood Controls
 - Fume Hood Controller
 - Sash Position Sensing Fume Hood Control
 - Sidewall Sensing Fume Hood Control
 - Hybrid Fume Hood Control
 - Presence Sensing
 - Fume Hood Interface



UNITECH
www.unitechair.com

- Units ranging from 2,000 CFM to 300,000 CFM (Catalogued from 5,000 CFM to 91,000 CFM)
- Maximum sound attenuation with four inch, double wall construction
- Penthouse units available up to 400,000 CFM
- Factory-installed controls and piping available
- Cooling Options: Hydronic or DX (Packaged Air-Cooled or Water-Cooled available)
- Heating Options: Hydronic, Steam, Electric or Gas
- Humidification Options: Gas, Electric or Steam-to-steam
- Knockdown construction available
- Custom Air Handlers



SolutionAir
www.solutionairgroup.com

- Air-Cooled DOAS Units
 - Up to 20,000 CFM
 - Heating Options: Gas, Electric, Steam and Hydronic
 - Cooling Options: Hydronic and DX (Packaged or Split)
 - Energy Recovery Options
- Customizable Air Handlers
 - Up to 100,000 CFM
 - Indoor / Outdoor Construction
 - Single / Double Wall Construction
 - Heating Options: Gas, Electric, Steam and Hydronic
 - Cooling Options: Hydronic and DX (Packaged or Split)
 - Energy Recovery
 - Packaged Control
- Make-Up Air Units
 - Direct Fired: 250 – 15,000 MBH
 - Indirect Fired Drum and Tube: 200 – 6,000 MBH
 - Indirect Fired Convolution Tube: 75 – 1,200 MBH
 - 90% Efficient Indirect Fired: 250 – 1,600 MBH
- Rooftop Units (8 – 250 Tons)
 - Highly Configurable
 - Heating Options: Indirect Gas, Electric, Steam and Hydronic
 - Cooling Options: Hydronic and DX (Packaged Up to 160 Tons and Split Up to 250 Tons)
 - Energy Recovery Options



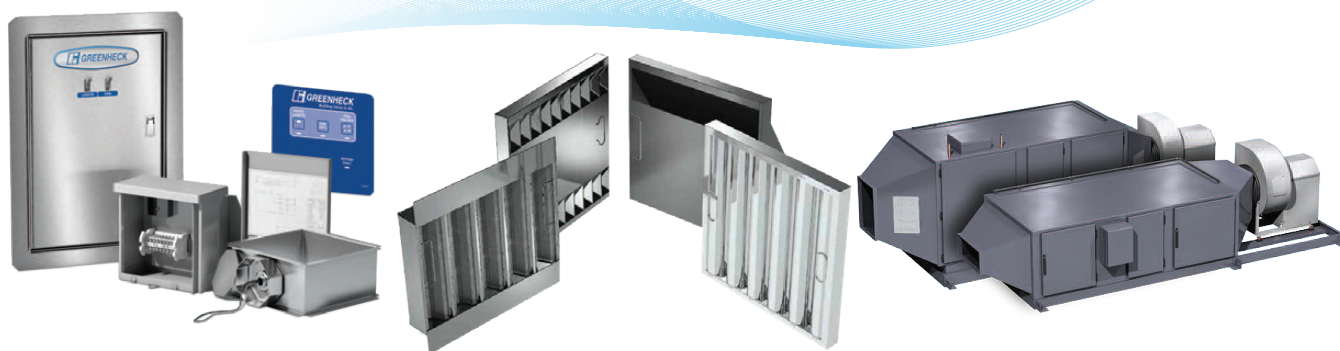
SolutionAir
www.solutionairgroup.com

- RegenCore Alternating Mass-Exchanger Energy Recovery Units
 - No Pre-Heat Requirements Down to Outdoor Temperatures of -40°C
 - Up to 92% Effectiveness



Greenheck
www.greenheck.com

- Direct and Indirect Gas-Fired Make-Up Air Units
- Indoor Air Handling Units
- Fan Coils
- Heat Recovery Products
- Packaged Cooling Option
- Coils
 - Chilled Water
 - DX Evaporator
 - Condenser
 - Non-Freeze Steam Distributing
 - Booster / Duct Mounted
 - Hot Water
 - Heat Reclaim
 - Standard Steam
- ERV - Energy Recovery Ventilator
 - 400 to 12,000 cfm
 - 1.5 in. wg external static pressure
 - Louvered intake weatherhood lowers supply air intake velocities to prevent rain and snow from being pulled into the unit
 - 2-inch outdoor and return air filters with a MERV 8 (30% efficiency) rating
 - 18 gauge outer wall construction
 - Multiple energy wheel options allow selection of a unit by what is critical in the design or application:
 - Effectiveness
 - Recovery Efficiency Ratio (RER)
 - Low blower horsepower
- ERH - Energy Recovery Ventilator with Heating and Cooling
 - 10,000 cfm
 - 1.5 in. wg external static pressure
 - Fresh outdoor air is pre-conditioned by the total enthalpy wheel, recovering a majority of the energy from the exhaust air
 - Saves 3-4 tons of cooling per 1000 cfm
 - Saves 50-60 MBH of heating per 1000 cfm
 - The heating section further tempers cold outdoor air to desired conditions
 - Chilled water coils, split DX cooling, packaged DX cooling



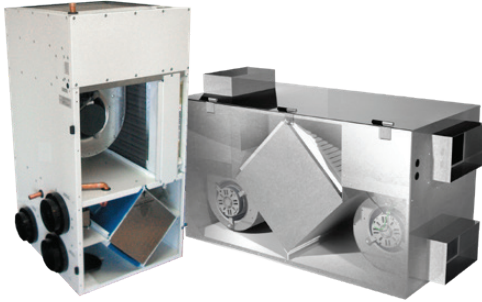
Greenheck
www.greenheck.com

- Wall, Island Proximity and Heat, Condensate Hoods
- Internal and External Supply Plenums Optional
- Variable Volume Control Packages
- Ecology Odor Control Units
- Standard Baffle Filter, High Velocity Cartridge, High Efficiency Grease-X-Tractor and Dual Stage Grease Grabber, Filtration
- FlexConnect Utility Distribution System
 - Factory Built Wall Utility Systems Offering Single Point Connections for Gas, Water and Electricity
 - Easy to Clean Stainless Steel Exterior
- Adds Flexibility, Easy Relocation of Equipment, Reduces Installation Time, Allows Integration of Controls and Concealment of All Pipes and Wiring



Fisair
www.fisair.com

- | | | | |
|--|---|---|---|
| <ul style="list-style-type: none"> • DFRA <ul style="list-style-type: none"> - Highly reliable units with drying capacities - Drying capacities from 3 to 42 kg/h - Dry air flows from 450 to 6,000 m³/h (265 CFM to 3532 CFM) • DFRD <ul style="list-style-type: none"> - Drying capacities from 3 to 4.2 kg/h and dry air flow rates from 300 to 700 m³/h (177 CFM to 412 CFM) - Double fan for deep drying in closed circuit - Compact stainless-steel series, ready for operation - Smart heaters | <ul style="list-style-type: none"> • DFRB <ul style="list-style-type: none"> - Drying capacities from 0.5 to 4.2 kg/h and dry air flow rates from 140 to 700 m³/h (82 CFM to 412 CFM) - Compact stainless-steel series, ready for operation - Smart heaters - Desiccant rotor with heat recovery sector • DFLOW <ul style="list-style-type: none"> - Excellent low dew point performance with low energy consumption - Modular capacity, low maintenance, uniform operation and low cost | <ul style="list-style-type: none"> • DFRC <ul style="list-style-type: none"> - Mobile and heavy duty drying. Series aimed at temporary drying with a robust chassis and finish to protect against corrosion. Ideal for surface treatment and rental applications - Drying capacities from 9 to 106 kg/h and dry air flow rates from 1,200 to 15,000 m³/h (705 CFM to 8824 CFM) - Robust construction for harsh environments and weathering - Simple and reliable operation - High static pressures available | <ul style="list-style-type: none"> • DFLEX <ul style="list-style-type: none"> - Flexible modular range - Adaptable to specific solutions - Highly reliable equipment with drying capacities from 51 to 152 kg/h and dry air flow rates from 7,500 to 24,000 m³/h (4,412 CFM to 14,118 CFM) |
|--|---|---|---|



Nu-Air Ventilation
www.nu-airventilation.com

- Heating and Energy Recovery
 - HRVs and ERVs for Residential Applications
 - HRVs and ERVs for Commercial Applications
- Central Air and Fan Coils
- Air Exchangers
- Controls and Accessories



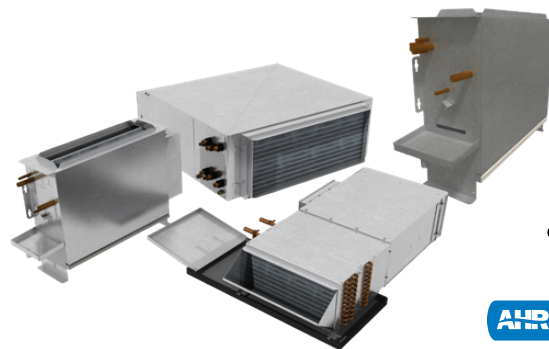
Lifebreath
www.lifebreath.com

- Inline Fans
- Heat Recovery Ventilators
- Turbulent Flow Precipitators
- Clean Air Furnace



Price Industries Limited
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- Chilled Beams
 - Linear, Modular, Horizontal, Vertical and Floor-Mounted Active
 - Linear Passive
- Passive with Integrated Returns
- Controls and Hose Kits
- Retrofit Perimeter Induction Units



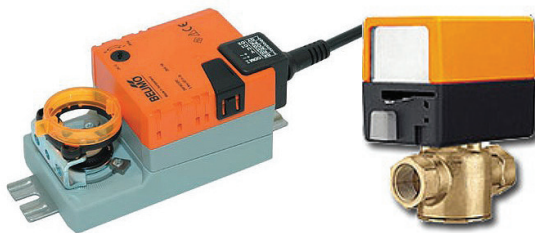
Price Industries Limited
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- High Performance Fan Coils
 - Optional Integrated Silencer
 - Standard ECM Motor
- Horizontal Blower Coils
- Vertical Fan Coils
 - Concealed and Exposed


PRICE | CONTROLS

Price Industries Limited
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- Application Specific Controls for:
 - Networked or Stand-Alone Applications
 - VAV / VVT Controllers (BTL Certified)
 - Mini-Front-End Solutions
- Pneumatic Stand-Alone Controls
- Control Applications:
 - Rooftop Controls
 - Bypass Controls
 - Single Duct Controls
 - Fan Powered Controls
 - Prodigy Smart Diffusers
 - Web Server Graphical Interface
 - Hydronic Controls
 - Underfloor Controls


BELIMO

Belimo
www.belimo.com

- Electronic Control Valves
- Zone Control Valves
- Globe Valves
- Butterfly Valves
- Actuators


FRANKLIN
CONTROL SYSTEMS

Franklin Control Systems
www.franklin-controls.com

- HVAC Specialty Products
 - Building Automation Starters
 - Standard Automation Starters
 - Cooling Tower Controls
 - Kitchen Hood Controls
 - Pump and HVAC Controls
 - Variable Frequency Drives (VFD)
- Industrial Products
 - Contactors and Overload Relays
 - Manual Motor Starters
 - Circuit Breakers
 - Starters
 - Soft Starters
 - Soft Starters with Integrated Bypass
 - Programmable Logic Controllers
 - Terminal Blocks
 - Pilot-Devices
 - Enclosures


Vulcan
RADIATOR

Vulcan Radiator
www.vulcanrad.com

- Commercial Hydronic Heating Products Including:
 - Commercial Wall-Fin Radiation
 - Light Commercial Wall-Fin Radiation
 - Cabinet Unit Heaters
- Convectors
- Horizontal and Vertical Unit Heaters
- Panel Radiators
- Custom Enclosure
- Security Enclosure


BOSCH

Florida Heat Pump
www.bosch-thermotechnology.us

PACKAGED UNITS & SPLIT SYSTEMS

LV Model: Water-to-Air Packaged Unit

- .5 to 6 tons
- Up to 16.9 EER (GLHP); Up to 5.3 COP (WLHP)
- Option-rich, compact size
- Unique sound package designed to eliminate vibration and reduce unwanted noise

LV Model: Water-to-Air Split System

- 1.5 to 6 tons
- Up to 15.9 EER (GLHP); Up to 4.4 COP (WSHP)
- Space-saving flexible configuration, option-rich, lower operating costs, and quiet comfort

EP Model: Water-to-Air Packaged Unit

- .5 to 6 tons
- Up to 21.7 EER (GLHP); Up to 6.0 COP (WSHP)
- Industry-leading single-stage high efficiency with a variety of options

ES Model: Water-to-Air 2-Stage Packaged Unit

- 2 to 6 tons
- Up to 24.5 EER (GLHP) and 5.4 COP (WSHP) Part Load; Up to 18.7 EER (GLHP) and 5.0 COP (WSHP) Full Load
- Two-stage scroll compressor
- ECM constant airflow blower motor
- One of the industry's most ultra-efficient units providing powerful performance and enhanced features that provide the best all around value

LM Model: Water-to-Air 2-Stage Packaged Unit

- 2 to 6 tons
- Up to 32.0 EER (GLHP) and 6.5 COP (WLHP) Part Load; Up to 22.0 EER (GLHP) and 5.6 COP (WLHP) Full Load
- Two capacity scroll compressor
- ECM Motor
- Best-in-class efficiency and comfort

LM Model: Water-to-Air Split System

- 2 to 6 tons
- Up to 26.4 EER (GLHP) and 6.1 COP (WSHP) Part Load; Up to 19.3 EER (GLHP) and 5.3 COP (WSHP) Full Load
- Flexible Configurations, and ideal for locations where space is limited, with exceptionally quiet operation
- Fully featured
- Two-stage scroll compressor
- ECM Motor
- Best-in-class efficiency and comfort


BOSCH

Florida Heat Pump
www.bosch-thermotechnology.us

WATER-TO-WATER UNITS

WT Model: Water-to-Water 2-Stage Packaged Unit (Chiller/Boiler)

- 2 to 6 tons
- Up to 22.1 EER (GLHP); Up to 4.7 COP (WSHP) Part Load
- Wide range of voltages
- Near limitless options for hydronic systems
- Two-stage compressor and high operating temperatures for best-in-class performance
- Two-stage reverse cycle chiller water heater designed specifically to meet high-end hydronic systems

WW Model: Water-to-Water 2-Stage Packaged Unit (Chiller/Boiler)

- 10 to 35 tons
- Up to 22.1 EER (GLHP); Up to 4.7 COP (WSHP) Part Load
- Single-stage scroll compressor or dual scroll compressors
- Two-stage refrigerant circuits (20 to 35 tons) for water-cooled modular reverse cycle chiller applications

CONSOLE UNIT

CA Model | Console Unit

- .75 to 1.5 tons
- High Efficiency
- Compact size and efficient to provide comfort where space and access are limited
- Decentralized room terminal unit that is field connected to a closed circuit piping loop

LARGE UNITS

EC Model | Water-to-Air Packaged Unit & Split System Large Capacity

- 6 to 30 tons
- Up to 24.5 EER (GLHP); Up to 5.6 COP (WSHP)
- Dual refrigeration system
- High efficiency unit with increased flexibility in installation and availability of applications

MC Model | Water-to-Air Packaged Unit

- 30 to 60 tons
- Up to 16.1 EER (WSHP); Up to 5.4 COP (WSHP)
- Ultra Efficiency with value added features and multi-levels of capacity
- Scroll compressors, variable air volume and 100% outside air capability providing flexibility, performance and quiet operation

LABORATORY

PRODUCT APPLICATION

Supply Venturi Valves

- Medium (0.6 to 3.0 in.w.c.) or low (0.3 to 3.0 in.w.c.) pressure operation
- High-speed actuation
- Characterized and calibrated using NVLAP accredited test stations (Lab Code: 201067-0)
- Operating pressure feedback



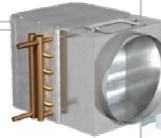
Pace™

- Pressure or volumetric offset control strategies
- Airflow control utilizing Venturi Valves, Venturi FX Valves or Terminal Units
- High speed room level network for communication to Pace and FHC controllers
- BACnet MS/TP



Integrated Reheat Coil

- Factory mounted transition
- Coil access door



Room Pressure Sensor

- Maintenance and calibration-free sensor technology
- Accurate to 3% of reading
- Designed to prevent buildup of airborne particulates



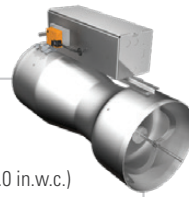
Thermostat

- LCD or blank-face options
- Optional humidity or CO₂ sensing
- Optional connection to room level network for commissioning



General Exhaust Venturi Valve

- Medium (0.6 to 3.0 in.w.c.) or low (0.3 to 3.0 in.w.c.) pressure operation
- High-speed actuation
- Characterized and calibrated using NVLAP accredited test stations (Lab Code: 201067-0)
- Operating pressure feedback



Pace™

- Pressure or volumetric offset control strategies
- Airflow control utilizing Venturi Valves, Venturi FX Valves or Terminal Units
- High speed room level network for communication to Pace and FHC controllers
- BACnet MS/TP



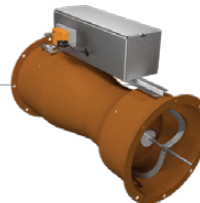
Integrated Silencer

- Factory mounted transition
- Specifically designed for Venturi Valves



Fume Hood Venturi Valve

- Medium (0.6 to 3.0 in.w.c.) or low (0.3 to 3.0 in.w.c.) pressure operation
- High-speed actuation
- Characterized and calibrated using NVLAP accredited test stations (Lab Code: 201067-0)
- Operating pressure feedback
- Optional corrosion resistant coatings



Fume Hood Controller

- Sash position, sidewall sensor or combination face velocity control
- High speed response
- LCD fume hood interface
- Connection to room level network



NOTES

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NOTES

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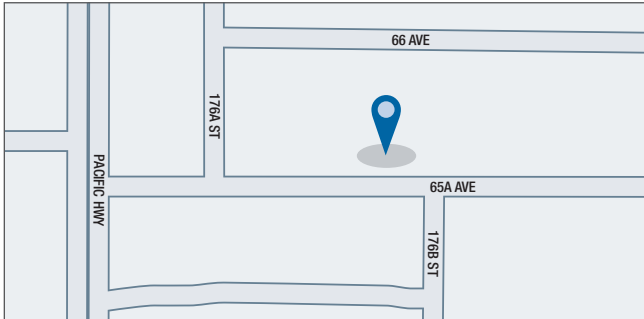
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Kelowna, British Columbia V1X 8G7

Ph: 250.765.7226

Email: kelowna@ehpricesales.com

Website: www.ehpricekelowna.com



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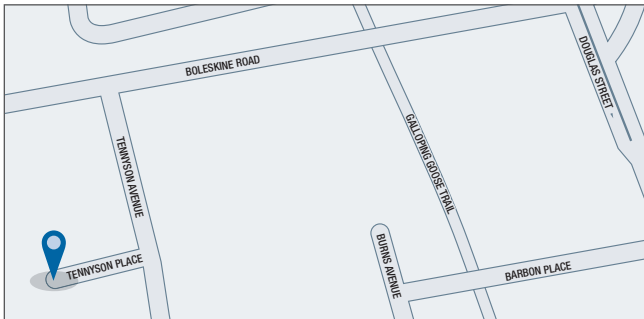
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Email: vancouver@ehpricesales.com

Website: www.ehpricevancouver.com



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