

SHOW PREVIEW

Here's Your Guide to the World's Largest HVAC&R Marketplace



January 26-28, 2009
McCormick Place | North & South Halls
Chicago, Illinois

Co-sponsors:



Honorary sponsor:



See Over
400 Exhibitors
Showcasing Green,
Sustainable,
Energy-saving
Products!



Look Inside for...

Show Highlights, Special Events, and Morepages 2-3
Hot New HVAC&R Productspages 4-16, 22-31
List of Over 1,800 Exhibitorspages 18-21
FREE Educational Sessions, ASHRAE Courses,
Other Educational Programspages 32-34
New Product Technology Presentationspage 34
Hotel & Travel Information,
Chicago After Hours, and morepage 35

FREE Show Registration: www.ahrexpo.com



Opportunity Knocks...

at the HVAC&R Industry's #1 Event



To stay competitive or even remain in business in this challenging economy it can no longer be business as usual. The drive for greater energy efficiency, greener products and sustainable technology is pushing HVAC&R professionals to be more knowledgeable about the latest innovations on the market today.

That's why over 30,000 contractors, engineers, facility managers and other professionals serving the HVAC&R marketplace, are expected to converge at AHR Expo in Chicago this January. There's simply no better time or place to gain the expertise needed to take advantage of the new business opportunities being created by the worldwide demand for "Green Technology."

For three days you can:

- **See all the latest technology** on the market from over 1,800 manufacturers
- **Meet with your vendors and new suppliers** — over 130 first-time exhibitors, who can help you become more efficient and profitable.
- **Attend free educational sessions** and watch new technology demonstrations of innovative products right on the Show floor.
- **Find cost-efficient solutions** of how to incorporate and profit from this new technology in your business.

The possibilities are enormous! No matter what your goals are for the coming year, you can take just one day and find the tools, the techniques and technology to make it happen *only at the world's largest HVAC&R marketplace* — AHR EXPO!

"Saving energy is a big part of why we came to AHR Expo. We can see what new innovations and products manufacturers are offering to help save our center money."



John Nesbitt, Assistant Chief Engineer, Plant Operations
Hackensack University Medical Center
2008 AHR Expo Attendee



"We came here to meet our suppliers and look for potential new vendors... and this show is where we meet them."

David Scannell, Corporate Purchasing Manager
Camfil Farr United States HVAC Product Group
2008 AHR Expo Attendee

"Coming to AHR Expo has really been helpful to see what new green products and sustainable technology are out there."



George Caruso, Owner
Climate Control Corp.
2008 AHR Expo Attendee



Register FREE Now! Go to: www.ahrexpo.com Or complete the handy form on the back cover

Benefit from These Special Show Features

GO GREEN AT AHR EXPO...



Learn More About Energy-saving, Sustainable and Green Building Technology

When you attend AHR Expo you'll find a one-stop resource to learn about the latest Green initiatives in the HVAC&R Industry, the companies that are leading the charge and how you can implement them in your business. Here's just some of the opportunities you may want to take advantage of at the Show:

In the Exhibit Hall:

- Exhibitors with this sign in their booth indicates that they have **GREEN PRODUCTS** on display
- The HVAC Mobile Green Classroom – Presented by The Partnership for Environmental Leadership
- U.S. DOE's Net-Zero Energy Commercial Buildings Display
- U.S. ENERGY STAR Program Display
- Visit these Associations that are focused on Green Initiatives: ASHRAE, AHRI, Building Performance Institute Inc. (BPI), Continental Automated Buildings Association (CABA), Green Mechanical Council, U.S. Green Building Council (USGBC), ZigBee™ Alliance, and more



FREE Learning Opportunities in the Classroom:

- **Special Building Automation & Control Sessions:** "Using Technology to Create Sustainable Green Buildings"; "Energy Economics in Your Buildings"; "Green Buildings, BIM and Evolving Energy Standards"; "Building to Grid: Enabling Buildings to Trade Their Energy"
- **ASHRAE-sponsored Public Session –** "Sustainability in the Urban Environment"
- **Endorsing Association Sessions:** "Maximizing System Performance with Condensing/ Noncondensing Boilers" (ABMA); "Labeling Fans for Energy Efficiency" (AMCA); "GridWise and the Nations Carbon Footprint" (GWAC); "Best Ventilation Practices for High Performance Homes" (HVI); "Saving Energy Through Proper Air Filtration" (NAFA); "Wireless Building Automation Solutions" (ZigBee); and more

Educational Sessions for a Nominal Fee:

- ASHRAE Learning Institute offers a range of short courses and conference sessions on Green Technologies, Standards, and more
- LEED Implementation for Building Operations and Maintenance (USGBC)
- Building Intelligence Tour: Advanced Integrated Lighting Control (CABA)
- Greenspeak: The Language and Culture of Green (GreenMech)
- PM Live - Solar Water & Solar Heating - New Opportunities for Hydronic Professionals; Reclaimed Water & Water Conservation Revisited (Plumbing & Mechanical Magazine)

For more information and complete schedule of educational sessions turn to page 32-34.

ATTEND THE AHR Expo INNOVATION AWARDS Presentation

MONDAY, JANUARY 26

1:00 PM

New Product Technology Theater A: South Hall

Find out which one product will take home the coveted "Product of the Year," at the presentation of the HVAC&R industry's most prestigious awards — the 6th annual AHR Expo Innovation Awards. Judged for innovation, application, value to user, and market impact, winners will be selected in these nine categories:

Building Automation • Cooling • Green Building • Heating • Indoor Air Quality • Refrigeration • Software • Tools & Instruments • Ventilation

All winning companies, except the Overall Winner, will be posted on-line at www.ahrexpo.com before the Show and listed in the Official Show Directory distributed on-site.

VISIT THE EXHIBIT HALL...

□ The Building Automation & Control (BAC) Showcase

See over 100 Exhibitors showcasing the latest in:

- Building Automation Systems
- Energy Management Systems
- Climate Control
- Facility Management Systems
- Web-based Monitoring Systems
- Network Integration Products
- and other Networked Building Systems including Lighting, Security, Fire Alarms, and more

Turn to page 14 for a preview of some of the many BAC products that will be on display.

□ The Software Center

Experience hands-on demonstrations of the latest software releases from over 40 companies serving the HVAC&R industry. Products on display include:

- Estimating, Pricing & Contract Software
- Sizing & Systems Specification Analysis
- Design & CAD
- Energy Analysis
- Inventory Control
- Project & Service Management
- On-line Services
- Accounting & Business Management
- and more

Turn to page 17 for a preview of some of the many Software products that will be on display.

Plus...

□ A Worldwide Marketplace - Over 300 International Exhibitors from 33 Countries

□ Over 40 Industry Associations and Publications

□ The New Product Technology Theater: Over 24 Presentations

□ and more



NEW PRODUCT PREVIEW

*Here's an
advance look at
just some of the
latest HVAC&R
products that will
be on display...*



GREEN PRODUCT Indicates the company is marketing the product as a "Green Product"

PRODUCT CATEGORIES:

Air-Conditioning & Refrigeration Equipment, Components and Products.....	pages 4-9
Building Automation & Control Products	pages 14-16
Energy-Saving/Alternative Energy Equipment	pages 26-27
Heating Equipment.....	pages 9-11
IAQ Products	pages 24-25
Instruments & Controls	pages 22-23
Miscellaneous Products.....	pages 30-31
Plumbing Products	page 28
Software	page 17
Tools & Contractor Supplies.....	pages 28-29
Ventilation Equipment	pages 12-13

AIR-CONDITIONING EQUIPMENT & PRODUCTS

Flexible Air Duct

AFS Borli Sanayi A.S.

Booth #5383

Primary Application(s): PE-AFS flexible air ducts are used specifically for low and medium pressure heating, cooling, ventilation, air conditioning exhaust extraction systems.

Key Feature(s): PE-AFS flexible air ducts are highly resilient and can be used in applications with excessive vibration and/or perpetual systems. They are manufactured from PE canvas with high tension steel spring wire.

Key Benefit(s): PE-AFS flexible air ducts are highly elastic and flexible. They can be fitted easily to circular, oval or rectangular connectors.

Markets Served: Residential, Commercial, Institutional, Industrial

GREEN PRODUCT

Compressor

Aftermarket Specialties, Inc.

Booth #4976

Primary Application(s): Central air conditioning compressors for residential, mini-split and light commercial. Approved for heat pump; life tested in some of the world's most demanding environments.

Key Feature(s): 13 SEER models in a compact footprint; R-410(a) and R-22 refrigerants.

Key Benefit(s): Extremely low sound levels; exceptional quality and reliability. Replace Reciprocating and Scroll compressors.

Markets Served: Residential, Commercial, Institutional, Industrial

Aftermarket Specialties, Inc.
R2 Unitary Rotary Compressor



GREEN PRODUCT

Self-Contained A/C Unit

Airedale North America Inc.

Booth #2535

Primary Application(s): The SchoolMate HE is a self-contained water source or ground source heat pump unit. It is designed to provide a healthy and safe school classroom environment by incorporating the environmentally friendly refrigerant R410A and many other features.

Key Feature(s): EC motor; all new, quieter blower; improved efficiency rating; two-stage compressor; available in many sizes.

Key Benefit(s): Ground source units provide significant energy savings; quiet; self-contained unit for classroom comfort.

Markets Served: Commercial, Institutional

Plate Heat Exchanger

Alfa Laval, Inc.

Booth #4223

Primary Application(s): Heating and cooling in industrial and commercial buildings.

Key Feature(s): Expanded range of small plate heat exchangers, including the T3B, T3P and TL6B, with high thermal efficiency in a small footprint.

Key Benefit(s): Price competitive; short delivery times; 3D models available on request.

Markets Served: Commercial, Institutional, Industrial



Alfa Laval, Inc.
T3B Plate Heat Exchanger

GREEN PRODUCT

Short Throat Stamped Elbow

American HVAC Manufacturing, Inc.

Booth #6352

Primary Application(s): Used in commercial and industrial applications in air distribution systems.

Key Feature(s): Used where space is limited.

Key Benefit(s): Good air flow feature and energy efficient product.

Markets Served: Commercial, Industrial



American HVAC
Manufacturing, Inc.
DSSRE 1.00 CLR Short
Throat Stamped Elbow

Mini-Compressor

Aspen Compressor, LLC

Booth #2830

Primary Application(s): Aspen Compressor manufactures high quality, competitively-priced rotary compressors for use in microclimate systems, electronics cooling, portable appliances, and occasionally unusual or imaginative products that we are qualified to design.

Key Feature(s): Aspen has introduced very small and light rotary compressors produced for refrigeration systems. The variable speed compressors are designed for connection to 24V DC power supplies and use with many refrigerants.

Key Benefit(s): Its size, weight and durability make it ideally suited for mobile or portable applications.

Markets Served: Commercial



Aspen Compressor, LLC
Aspen 14-24-000x
Mini-Compressor

GREEN PRODUCT

Geothermal Heat Pump

Bard Manufacturing Company, Inc.

Booth #4264

Primary Application(s): Residential and light commercial applications.

Key Feature(s): R410-A refrigerant; Copeland step-capacity scroll compressor; variable speed ECM motor; factory installed desuperheater; high and low pressure switches standard; TXV.

Key Benefit(s): Suitable for open or closed loop applications. Increased dealer friendly installation and service features, including left or right side water connection, left or right hand access to control panel, slide-in electric heater packages, and simplified wiring and troubleshooting.

Markets Served: Residential, Commercial



Bard
Manufacturing Company, Inc.
GV Series Geothermal
Heat Pump

Braze Alloy

Bellman-Melcor, LLC

Booth #1644

Primary Application(s): For brazing of aluminum refrigeration coils, tubular assemblies including aluminum to copper.

Key Feature(s): Unique alloy/flux combination material; flow point of 9050F.

Key Benefit(s): Makes it possible to braze aluminum without risking damage to base metals; very easy to use.

Markets Served: Residential, Commercial, Institutional, Industrial

GREEN PRODUCT

R410A Scroll Compressor



Bitzer
8-Series R410A Scroll
Compressor

Bitzer
Booth #5925

Primary Application(s):

Bitzer's new line of commercial R410A scroll compressors is available in 15, 20, 25, 32 and 35 ton capacities; manufactured in the United States.

Key Feature(s): 8-series scrolls meet or exceed industry standards for efficiency, sound and oil circulation rates.

Key Benefit(s): The 8-series is designed as a "drop-in" replacement for competitive models.

Markets Served: Commercial

GREEN PRODUCT

Coating Service

Bronz-Glow Technologies, Inc.
Booth #2432

Primary Application(s): Our corrosion protection is applied to all types of equipment, including commercial, residential, industrial and others.

Key Feature(s): Energy Star Partner; available through OEM, distributor, contractors, or direct.

Key Benefit(s): Fully warranted corrosion protection; field coating also is available.

Markets Served: Residential, Commercial, Institutional, Industrial



Bronz-Glow Technologies, Inc.
Bronz-Glow Corrosion Protection

GREEN PRODUCT

Thermal Energy Storage

CALMAC
Booth #5617

Primary Application(s): Buildings over 100 tons; cooling systems that employ chilled water, sufficient time to make ice; utilizes a traditional chiller.

Key Feature(s): 10-year limited warranty; easy to install; can be buried or located inside, outside and on roofs; no moving parts; different sizes available.

Key Benefit(s): Save 20-40% on cooling costs; reduce peak KW demand; lower greenhouse gasses; smaller carbon footprint.

Markets Served: Commercial, Institutional, Industrial

GREEN PRODUCT

Condensate Removal Pump

Charles Austen Pumps, Ltd.
Booth #1660

Primary Application(s): Condensate removal in air conditioning and refrigeration applications.

Key Feature(s): Exceptional performance; multi-year warranty; extremely reliable.

Key Benefit(s): Easy to install and retro-fit into any installation.

Markets Served: Residential, Commercial, Industrial

GREEN PRODUCT

Water-Source Heat Pump

Climate Master, Inc.
Booth #1810

Primary Application(s): The Tranquility 16™ Compact Series water-source heat pumps with EarthPure® HFC-410A zero-ozone-depletion refrigerant are extremely environment-friendly. With one of the smallest cabinets in the industry, they are compatible with thousands of older water-source heat pumps, and utilize scroll compressors to exceed ASHRAE 90.1 efficiency requirements.

Key Feature(s): They are available in sizes from 1 1/4 to 5 tons and are geothermal capable.

Key Benefit(s): They have field convertible discharge air arrangements for horizontal units. High static blowers are available. They are designed for use with boiler/tower and geothermal systems, and have eight safeties standard.

Markets Served: Commercial, Institutional, Industrial

GREEN PRODUCT

Motorized Impeller EC (Electronically Commutated)

Continental Fan Manufacturing, Inc.; Aeroflo, Inc.
Booth #2600

Primary Application(s): Ideal for use in commercial and industrial air handling applications.

Key Feature(s): EC (electronically commutated) external rotor motor; fully and easily speed controllable; high efficiency backward curved aluminum impeller; input voltage; 380V-480V 50/60 Hz three phase; capacities to 7,800 cfm; available housed or non-housed; suited to applications where space is limited.

Key Benefit(s): High efficiency EC motor provides energy savings when compared to standard AC motors, particularly at part load conditions.

Markets Served: Commercial, Institutional, Industrial

Temperature Controller with Alarm

Control Products, Inc.
Booth #3929

Primary Application(s): HVAC/R equipment; food service equipment; medical and environmental chamber markets.

Key Feature(s): 30 amp relays – 12 VAC to 240 VAC input power; high and low temperature alarm with programmable temp alarm delay; alarm dry contact output, plus visual and audible alarm notification; bright red LED display.

Key Benefit(s): Dual stages mean one controller for multi-stage applications; alarm and control functions in one package keeps costs down.

Markets Served: Commercial, Institutional, Industrial



Control Products, Inc.
TC-9000 Series
Controllers

GREEN PRODUCT

Sealed Snap Lock Pipe

Ductmate Industries, Inc.
Booth #5346

Primary Application(s): GreenSeam™ Snap Lock Pipe is a self-sealing snap lock pipe.

Key Feature(s): GreenSeam™ has been developed to target high efficient systems that are being designed to conform to LEEDS and the Green Building initiatives.

Key Benefit(s): With increased fuel costs, GreenSeam™ reduces leakage, which creates higher efficiencies, leading to lower fuel costs.

Markets Served: Residential, Commercial, Industrial



Ductmate Industries, Inc.
GreenSeam™ Snap Lock Pipe

GREEN PRODUCT

Night Covers for Refrigerated Display Cases

Econofrost/Promolux
Booth #6243

Primary Application(s): Econofrost retractable woven aluminum heat reflective night covers for open upright/horizontal refrigerated display cases.

Key Feature(s): Features low profile snap-on handle, and magnetic fasteners for easy and secure closure.

Key Benefit(s): Retro-fits to existing equipment; modular design integrates well with décor; energy savings of 36%; increased shelf life of fresh foods; OEM version available.

Markets Served: Commercial

GREEN PRODUCT

Shaft Grounding Electro Static Technology

Booth #3729

Primary Application(s): Do you have fluted bearings caused by EDM damage? Protect your motor from VFD induced electrical voltages with our AEGIS Bearing Protection Ring. AEGIS will prevent electrical bearing damage by safely channeling harmful shaft voltages away from the bearings to ground.

Key Feature(s): Available in solid or split ring designs; improves motor reliability and extends motor life; low cost; fits any shaft diameter; split design kit allows for installation without decoupling equipment and clears any slinger, shaft shoulder or protrusion.

Key Benefit(s): Easy to install; effective at any RPM; extends motor life.

Markets Served: Commercial, Institutional, Industrial



Electro Static Technology
AEGIS SGR Bearing Protection Ring Kit

GREEN PRODUCT

Precision Air Conditioner

Emerson Network Power, Liebert
Booth #4722

Primary Application(s): Precision air conditioner for high density data center.

Key Feature(s): Energy efficient cooling for high heat load IT server racks with advanced cooling controls and monitoring for complete data center cooling system management.

Key Benefit(s): Enables high computer servers; high cooling efficiency; minimal consumption of data center floor space; simple to deploy as IT heat loads increase.

Markets Served: Commercial, Institutional, Industrial

Evaporative Cooler

Fluid Dynamics Solutions, Inc.
Booth #6417

Primary Application(s): Used in many outdoor places, or other places where air conditioning is not available, it is inexpensive cooling, only by natural water evaporation - no refrigeration and no CFC.

Key Feature(s): Outdoor cooling; factory cooling; commercial cooling; household cooling; garage air cooler; cooling fan; humidifier; air cooler; swamp cooler.

Key Benefit(s): Portable and low cost.

Markets Served: Commercial, Institutional, Industrial

Spin Formed Hollow Tube Shapes & Assemblies

Formitt Metal Labs, Div. of Hess Industries, Inc.
Booth #2850

Primary Application(s): Fabrication of catalytic converters for gas or diesel engines - manufactures complex tube and end profiles.

Key Feature(s): End tube profiling eliminates welding end cones as well as dies and stamping process to make end cone shells.

Key Benefit(s): Eliminates welding; improved part integrity and part appearance.

Markets Served: Residential, Commercial, Industrial



Formitt Metal Labs, Div. of Hess Industries, Inc.
Spin Formed Hollow Tube Shapes & Assemblies

Condensate Removal Pump

GeoGlobal Partners
Booth #6364

Primary Application(s): Furnace and A/C; dehumidifiers; evaporative coolers; high efficiency gas furnaces; refrigeration.

Key Feature(s): Patent pending thermal management; reliable performance; automated functions.

Key Benefit(s): Runs cooler for extended life and reliability; full customer service; lowest "heat rise" for efficiency; very low cost to run unit.

Markets Served: Residential, Commercial, Institutional, Industrial

Hand Torch

Goss, Inc.
Booth #4459

Primary Application(s): The GP-360J swivel tip is for use with propane/MAP/Pro disposable cylinders.

Key Feature(s): The new J-tip design allows you to solder or braze in hard-to-reach areas while safely pointing the flame away from flammable surfaces.

Markets Served: Residential, Commercial



Goss, Inc.
GP-360J Hand Torch

GREEN PRODUCT

A/C Condenser

Heat Controller Inc.
Booth #4510

Primary Application(s): Residential split system condenser pre-charged with R-410A, 1.5 to 5 tons.

Key Feature(s): Heavy duty compressor; full metal louvered jacket for protection; top discharge fan assembly; maximum surface area for heat exchange.

Key Benefit(s): Quick installation with easy access control box and service ports; quiet operation; industry-leading warranty coverage.

Markets Served: Residential

Sheet Metal Fabrication Machiner

Hess Industries, Inc.
Booth #2850

Primary Application(s): Used to fabricate sheet metal components like furnace doors, A/C coil guards and pans, appliances, etc.

Key Feature(s): Lean manufacturing; manufactures families of parts with change-over on-the-fly.

Key Benefit(s): Fewer dies; consistent quality; dramatically reduced work-in-process and finished goods inventory; just-in-time manufacturing.

Markets Served: Residential, Commercial



GeoGlobal Partners
RC151 & RC201 Series Condensate Removal Pumps

GREEN PRODUCT

Sensible/Latent Interface Controller

Hoffman Controls Corp.
Booth #3836

Primary Application(s): Comprehensive environmental controller for providing the optimum Sensible/Latent Heat (SH/LH) ratio for all aspects of comfort and efficiency.

Key Feature(s): The Variflow™ TRH interface optimizes and tailors the equipment output performance to meet specific sensible/latent loads encountered during a cycle, as required by space.

Markets Served: Residential, Commercial

Aluminium Condenser Manifold Tube

Hydro Aluminum Precision Tubing — Ellay Enfield
Booth #2753

Primary Application(s): Used as a replacement to copper tube for condenser applications.

Key Benefit(s): Reduced material costs.

Markets Served: Residential, Commercial, Institutional, Industrial

Coils

Indus International
Booth #2450

Primary Application(s): Chilled beams, heat pumps, chillers, evaporators, condensers, condensing units for refrigeration and air conditioning, unit coolers, etc.

Key Feature(s): Fin pattern provides a high mass flow area on the air side, also increasing secondary surface area and reducing air side pressure drop; lighter and less refrigerant charge. Smaller tube diameter reduces the distance of heat flow between the primary fluid and the secondary fluid. Higher heat transfer is achieved on the tube side even at reduced refrigerant flow rates, thereby increasing capacity.

Key Benefit(s): Higher capacity for the same footprint compared to 3/8" tubing or smaller footprint required to match the same capacity of 3/8" tubing; requires less refrigerant charge.

Markets Served: Residential, Commercial, Industrial



LG Electronics USA, Inc.
Multi-V Sync II Variable Refrigerant Flow

GREEN PRODUCT

Pressure Transducer

Kavlico Corp.
Booth #3846

Primary Application(s):

High and low side pressure refrigeration systems, product refrigeration, refrigerant recovery, transport refrigeration, environmental test equipment.

Key Feature(s): Built-in Schrader Deflation linear amplified output; low power consumption; temperature compensated; EMI/RFI protection; brass housing; over-voltage protected; 100-750 psi measurement range.

Key Benefit(s): Build-in connector allows for easy installation; suitable for use with latest refrigerants; RoHS compliant; ten million cycle life expectancy; good shock and vibration performance.

Markets Served: Commercial



Kavlico, Corp.
P528 OEM Refrigeration Pressure Transducer

Spiral Pipe

Langdon Sheet Metal, Inc.
Booth #5482

Primary Application(s): HVAC-Commercial.

Key Feature(s): Self-sealing single wall ductwork system available in galvanized, galvanized stainless steel and aluminum; dual lipped epd rubber for tight seal.

Key Benefit(s): Easy installation; temperature range 2000F to -200F; no messy sealer.

Markets Served: Commercial

GREEN PRODUCT

VRF Unit

LG Electronics USA, Inc.
Booth #2118

Primary Application(s): Used in multi-zone heavy commercial, multi-zone major commercial buildings.

Key Feature(s): Longest piping length, multiple compressors, ductless, can connect up to 32 evaporators (different styles available), high COP, variable refrigerant flow, low temperature operation, lightweight outdoor and indoor units, complete control system, auto addressing, standard auto system charging, heating and cooling synchronous operation, Advanced Mode Change, auto changeover, high efficiency heat recovery, R410A, neo-plasma air purifying system.

Key Benefit(s): Effective zone control, adjusts to partial load conditions – optimizing efficiency, wide operation range. It is quiet, easy to install, fast response of mode change. It is an excellent multiple HR unit, night silent operation, high efficiency, no scale formation, linear capacity control, with low maintenance costs and does not require cooling tower.

Markets Served: Commercial



Little Giant dba Franklin Electric
VCMX Pump

Pump

Little Giant dba Franklin Electric
Booth #1966

Primary Application(s): Removal of condensation from air conditioners and high-efficiency gas furnaces.

Key Feature(s): Slimmer footprint; oil-resistant tank and check valve; external test/run lever.

Key Benefit(s): Rubber feet to absorb vibration on hard surface installations; fast and easy wall mounting.

Markets Served: Residential, Commercial

Braze/Aluminum Solders

Lucas-Milhaupt, Inc.,
a Handy & Harman Company
Booth #6527

Primary Application(s): Used for brazing/soldering of aluminum heat exchangers, coils, evaporators, and condensers where the manufacturer is converting from copper coils to aluminum and they need to increase the temperature process window.

Key Feature(s): Flexible chemical compositions available in multiple forms, allowing for customizable melt range temperatures.

Key Benefit(s): Low temperature aluminum alloy, allowing for wider temperature process window; better process control and improved product quality.

Markets Served: Residential, Commercial, Institutional, Industrial

A/C Manifold

Mastercool, Inc.
Booth #6127

Primary Application(s): This manifold offers a large LCD display with pressures, saturated temperatures, actual temperatures, superheat and subcooling temperatures for over 60 refrigerants.

Key Feature(s): Battery operated; thermocouple temp clamp; deep vacuum sensor; rugged ABS case with protective boot.

Key Benefit(s): Diagnoses system problems fast; ensures accurate critical charge.

Markets Served: Residential, Commercial, Institutional, Industrial

GREEN PRODUCT

Modular Air Conditioner

MaxPower Corporation
Booth #1144

Primary Application(s): The CoolCube 18 is a modular air conditioner designed to cool down small computer rooms, or spot cool large data centers.

Key Feature(s): The 16,500 Btu/hr modules can be hung from the ceiling, stacked for capacity or redundancy, used as In-Row Coolers, added to a computer rack, or used as a portable unit.

Markets Served: Commercial, Institutional, Industrial



MEZ Industries
Mez I-Series Flange

Duct Flange

Mez Industries, Inc.
Booth #4556

Primary Application(s): The Mez I-Series (Insulated) flanges are precision roll-formed using top quality materials.

Key Feature(s): The flanges feature an advanced A-frame profile designed to minimize deflection and provide a sealing method consisting of three strategically-placed pockets filled with a factory-applied non-hardening sealant. The extra pocket is designed to accept the optional Snap-Nosing, which snaps directly into the extra pocket, eliminating the need for messy time-consuming adhesives and costly conventional nosing methods. Available in three sizes, the 120-I, 130-I, and 140-I carry respective SMACNA reinforcement ratings of "F," "J" and "K."

Markets Served: Commercial, Institutional, Industrial



Mastercool, Inc.
99661 Digital Manifold

GREEN PRODUCT

Self-Cleaning Filter

Miller-Leaman, Inc.
Booth #6350

Primary Application(s): Miller-Leaman is displaying their automatic Turbo-Disc Filter side-stream skid systems for cooling tower applications.

Key Feature(s): The filters come with a pump on a stainless steel skid and use substantially less backwash water than sand filters. An onboard controller monitors the differential pressure across the system, triggering an automatic backwash when dirty.

Markets Served: Commercial, Institutional, Industrial

Portable Air Conditioner

MovinCool/
DENSO Sales California, Inc.
Booth #5336

Primary Application(s): The Office Pro 63 portable air conditioner cools overheating server or telecom equipment down to 65°F in minutes, providing up to 60,000 Btu/h of cooling.

Key Feature(s): The Office Pro 63 runs on 3 Phase, 460V and features a programmable digital controller for automatic operation after-hours and during weekends.

Key Benefit(s): Simply roll it in, plug it in and turn it on!

Markets Served: Commercial, Institutional, Industrial

GREEN PRODUCT

Hybrid Cooler

Muller Industries Australia Pty. Ltd.
Booth #5885

Primary Application(s): The 3C Cooler provides water-cooled energy efficiency without health risks, chemical treatment and high water consumption.

Key Feature(s): No Legionnaires Disease; reduced water consumption; no chemicals; energy efficient.

Key Benefit(s): Easy retrofit.

Markets Served: Commercial, Institutional, Industrial

GREEN PRODUCT

Chiller

Multistack LLC
Booth #2256

Primary Application(s): Large commercial buildings and process loads.

Key Feature(s): Twin magnetic centrifugal compressors; flooded shell and tube heat exchangers; optimized integrated digital controls.

Key Benefit(s): High efficiency; small footprint; extremely low noise.

Markets Served: Commercial, Institutional, Industrial



Napoleon Fireplaces (Wolf Steel LTD.)
Napoleon Ductless Split Air Conditioner

Ductless Air Conditioner

Napoleon Fireplaces (Wolf Steel LTD.)
Booth #6722

Primary Application(s): Can be installed in residential, commercial or industrial applications as a cost effective alternative.

Key Feature(s): Zone cooling; WhisperQuiet™ operation; environmentally friendly, high efficiency refrigeration; user friendly; remote control; flexible installation.

Key Benefit(s): Energy savings; attractive slim line design; filter cleans the air; automatic restart after power failures.

Markets Served: Residential, Commercial, Industrial

GREEN PRODUCT

Coil Cleaners

Nu-Calgon
Booth #2335

Primary Application(s): Cal-Green, used on condenser coils, cleans and restores the unit's efficiency while being environmentally responsible. Evap-Green has an outstanding cleaning ability to quickly remove dust, dirt and debris typically found on evaporator coils. Both products are recognized as "green" and are all natural, made with vegetable esters.

Key Feature(s): Both Cal-Green and Evap-Green are made from 100% vegetable esters and meets and exceeds all "green" standards. They are biodegradable and all product packaging and literature are green and made from recycled material. Products are free of dyes, fragrances and masking agents. They have been tested and verified to contain no potential human and animal health concerns and are also safe around plants.

Markets Served: Residential, Commercial, Institutional, Industrial

GREEN PRODUCT

Electric Expansion Valve

Parker Hannifin-Sporlan
Booth #5136

Primary Application(s): SERI is designed for use on chillers, air conditioners and most other direct expansion refrigeration applications.

Key Feature(s): Integral sight glass; removable cable; corrosion resistant; balanced ported; proven motor operator.

Key Benefit(s): Larger capacity up to 90 tons; wide range of control; optimized on controller design; increases system efficiency.

Markets Served: Commercial, Industrial

AIR-CONDITIONING EQUIPMENT & PRODUCTS



Permatron Corporation
PreVent®
Equipment
Protection
Filter

GREEN PRODUCT

Air Intake Filter

Permatron Corporation
Booth #1757

Primary Application(s): Air intake filtration prevents damage and extensive maintenance that large volumes of debris (like cottonwood) can cause air inlets.

Key Feature(s): Washable electrostatic media; UV protected; custom made to any size with multiple attachment options.

Key Benefit(s): Maintains clean coils to help energy consumption and optimize equipment efficiency and life expectancy of HVACR units.

Markets Served: Commercial, Institutional, Industrial



PoolPak Technologies International
Climatepak VHR Dehumidifier

GREEN PRODUCT

Dehumidifier

PoolPak Technologies International
Booth #1923

Primary Application(s): Poolrooms.

Key Feature(s): Designed for harsh poolroom environments, using Poolpak's proven approach.

Key Benefit(s): Utilizes dry outside air to dehumidify.

Markets Served: Residential, Commercial, Institutional

Compressor

Prattco, Inc.
Booth #3527

Primary Application(s): Used in water source heat pumps, unitary, central A/C, mini-split A/C, portable A/C, dehumidifiers.

Key Feature(s): R410a and R22 scroll; superior efficiency; enhanced reliability; low noise and vibration; low voltage starting; wide range of cooling capacities.

Key Benefit(s): Extensive inventory; same day order process; 2-3 days' lead time; direct shipment or consignment system service; engineering support.

Markets Served: Residential, Commercial

Refrigeration Enclosure

RDM Products Div., Bettag & Associates, Inc.
Booth #5519

Primary Application(s): Commercial refrigeration. The CON-PAK outdoor condensing unit cover is available in 9 sizes for 1/2 to 10 horsepower units, and is UL listed for Copeland and Tecumseh brands.

Key Feature(s): Galvanized base; embossed cabinet; economy models available.

Key Benefit(s): Easy to install; hinged lid for easier access and servicing.

Markets Served: Commercial

GREEN PRODUCT

Coil Coating

Refrigeration Technologies
Booth #2714

Primary Application(s): Specialty aerosol field applied coil coating to prevent corrosion on coils from salt and other extreme environmental conditions.

Key Feature(s): Protects against salt water and other corrosive chemicals; bonds to all metal surfaces; withstands temperatures up to 4000F (2050C).

Key Benefit(s): Food grade compound applied in a single coat to front and back of coil; does not hinder heat transfer; NSF approved.

Markets Served: Residential, Commercial, Institutional, Industrial

Cooling Towers

REYMSA Cooling Towers, Inc.
Booth #5276

Primary Application(s): HVAC: buildings, malls, hospitals, hotels, schools; Industrial: food industry, metal mechanics, plastic molding, chemical.

Key Feature(s): Cooling tower made 100% of fiberglass; direct drive; low speed; JEFC; NEMA fan motors; no moving internal parts; light weight; UV protection for extended body life up to 20 years.

Key Benefit(s): Low maintenance; corrosion resistant high standard mechanical properties; low coefficient on dilation.

Markets Served: Commercial, Institutional, Industrial



REYMSA Cooling Towers, Inc.
HRFG Series Cooling Towers

Acid Scavenging Kit

Spectronics Corporation
Booth #6222

Primary Application(s): Residential, light commercial, industrial.

Key Feature(s): Calibrated cartridges for precise dosing; prefilled, so no messy spills or wasted solution.

Key Benefit(s): Prevents acid build-up and extends compressor life.

Markets Served: Residential, Commercial, Industrial



Spinnaker Industries, Inc.
SWHP/SWVP Series Heat Pumps and Air Conditioners

Water Source Heat Pumps and Air Conditioners

Spinnaker Industries, Inc.
Booth #1857

Primary Application(s): For use in multizone residential, commercial and institutional applications; sizes ranging from 3/4 to 5 tons; in both horizontal and vertical applications.

Key Feature(s): Factory charged and tested; TX valve control; high/low pressure switches; precision balanced direct drive fans for quiet operation.

Key Benefit(s): Multi-directional air flow capabilities on each horizontal unit, which means less units to stock; easy to install and service.

Markets Served: Residential, Commercial, Institutional, Industrial

GREEN PRODUCT

Short Throat Pressed Elbow

SPIRAmir® Alliance
Booth #4783

Primary Application(s): Used in all types of air distribution applications for heating, air conditioning and exhaust systems.

Key Feature(s): Whenever space does not allow standard elbows, these elbows are a must.

Key Benefit(s): These self-sealing elbows are green and save energy.

Markets Served: Residential, Commercial, Institutional, Industrial

Chiller Barrel/Condenser Combination

Standard Refrigeration/Alfa Laval
Booth #4223

Primary Application(s): Shell-and-tube water-cooled condenser and evaporator combination.

Key Feature(s): Dual circuit shell-end-tube condenser perfectly matched with dual-circuit chiller.

Key Benefit(s): Reduced piping; compact in small footprint; compact shell-and-tube chiller/condenser combination.

Markets Served: Commercial, Institutional, Industrial

Air Handler

Summit Manufacturing-Suntherm Heating Products
Booth #4881

Primary Application(s): Used in single family residential; available with PSC motor, constant torque motor or variable speed ECM motor; available with no heat, electric heat or hot water heat.

Key Feature(s): Improved air flow and comfort; accepts larger face area coils for higher SEER and EER performance.

Key Benefit(s): Unit is quite, easy to install and provides comfort that the homeowner expects.

Markets Served: Residential, Commercial, Institutional, Industrial

Refrigeration Systems and Compressors

Tecumseh Compressor Group
Booth #5310

Primary Application(s): Outdoor condensing unit is a total enclosed and wired condensing unit for direct outside installation. Walk-in cooler units are self-contained refrigeration systems for drop-in application, complete with controls.

Key Feature(s): Easy installation; no additional materials required; single electrical supply; CRS units are direct install (plug and play).

Key Benefit(s): Quick installation; simple to use.

Markets Served: Commercial, Institutional, Industrial

**See More
New Products...**
**Visit the Online
Product Showcase**
**[www.ahrexpo.com/
showcase](http://www.ahrexpo.com/showcase)**

GREEN PRODUCT

Pressure Testable Joint

Thermacor Process, LP
Booth #4452

Primary Application(s): The PTJC joint closure is rugged and the highest quality closure method for HDPE jacketed pre-insulated piping systems. The PTJC utilizes electro-fusion technology to create a joint closure and jacketing system that is seamless and can be air tested and proven water-tight.

Key Feature(s): The PTJC electro-fusion joint has stainless steel wires embedded in an HDPE rod casing that heats and melt-fuses the surrounding HDPE sleeve and jacket together using electrical current, making it air- and water-tight.

Key Benefit(s): An easy-to-install split HDPE sleeve complete with necessary tools and factory training are provided to certify the installation by the contractor for the benefit of the owner.

Markets Served: Commercial, Institutional

Tube Straightener & Cut-to-Length with End Former

Tridan International, Inc.
Booth #6322

Primary Application(s): The Model STMC-4 Tube Straightener & Cut-to-Length Line with End Former is designed to produce straight tubes with a Bell and Flare on the tube end located outbound from cutoff head and tension clamp.

Key Feature(s): Processes four tubes per cycle, 1/4" through 3/4" OD, copper or aluminum.

Markets Served: Commercial, Industrial



Tridan International, Inc.
STMC-4 Tube Straightener

Vacuum Pump

Uniweld Products, Inc.
Booth #4923

Primary Application(s): The high performance Humm-Vac™ Pump features new styling, wide, sure footed chassis, a slant back ergonomically balanced handle, an easy access top mount isolation valve, large oil level sight glass, gas ballast and a low profile beveled oil drain.

Key Feature(s): Available in 3 sizes: 6 CFM (yellow), 8 CFM (red) and 12 CFM (black).

Key Benefit(s): The powerful, quiet running dual voltage (110/220, 50/60 Hz) motors provide a deep vacuum pull that removes moisture and dehydrates a system quickly and efficiently.

Markets Served: Residential, Commercial, Industrial

Uniweld Products, Inc.
Humm-Vac™ Vacuum Pumps

Hi-Pressure Receiver

Westermeyer Industries, Inc.
Booth #1219

Primary Application(s): The new refrigerant receivers are designed for pressures up to 700 psig for the R-410a and CO₂ markets.

Key Feature(s): UL approved and ASME certified, "U" stamped vessels are available in diameters from 3" to 24". These receivers are available with optional mounting brackets, sight glasses and liquid level indicators.

Markets Served: Commercial



HEATING EQUIPMENT

Water Heater

Aerco International
Booth #1700

Primary Application(s): AERCO's SmartPlate line brings precise temperature control to brazed plate, water-to-water heater construction to satisfy commercial DHW needs without storage.

Key Feature(s): The 64"H x 34"W x 28"D packaged heater features a programmable controller, load monitoring system and variable speed boiler water pump to maintain ±40F temperature control of up to 120 GPM domestic loads at 1000F rise.

Key Benefit(s): It supports remote monitoring and BAS integration and is available in single wall and double wall configurations.

Markets Served: Commercial

GREEN PRODUCT

Outdoor Wood Pellet and Corn Furnace

Central Boiler
Booth #6754

Primary Application(s): The Central Boiler Maxim outdoor wood pellet and corn furnace is installed outside and works with any existing heating system. It has the ability to heat the entire home, multiple buildings and domestic water.

Key Feature(s): Over 92% efficient; can heat for days on a single fuel load.

Key Benefit(s): Basic one-day installation.

Markets Served: Residential, Commercial

GREEN PRODUCT

Optimized Boiler Package

Cleaver-Brooks, Inc.
Booth #1523

Primary Application(s): Industrial, commercial and institutional.

Key Feature(s): CBLE/4WI 240-800 HP high pressure steam firetube boilers; natural gas and #2 oil firing; two-stage condensing economizer with stainless steel construction; Hawk ICS control system with parallel positioning.

Key Benefit(s): 90% steam to fuel efficiency; fuel costs and greenhouse gas emissions reduced 5-10%.

Markets Served: Commercial, Institutional, Industrial

Boiler

Columbia Boiler Company
Booth #1126

Primary Application(s): Automobile dealerships and repair shops; oil change shops; car washes; biodiesel production facilities.

Key Feature(s): Small footprint; burns used motor oil, used hydraulic fluid and new or used vegetable/cooking oil.

Key Benefit(s): Provides free heat and hot water; EPA approved; pays for itself.

Markets Served: Commercial, Industrial



Columbia Boiler Company
KWO-500 MBTU Waste Oil Boiler



Cozy/Louisville Tin & Stove Company
Cozy Series "BB" Gas-Fired Baseboard Heater

Gas-Fired Baseboard Heater

Cozy/Louisville Tin & Stove Co.
Booth #4053

Primary Application(s): Perfect for residential, commercial and mobile home applications.

Key Feature(s): High efficiency and state-of-the-art styling; require an outside wall opening of only 2-2.5" and may be installed without having to go outside. They come in 5M (4') and 9M BTU (6') sizes.

Key Benefit(s): Compact 24-volt systems are a perfect retrofit for electric baseboard heaters.

Markets Served: Residential

Boiler

Crown Boiler Company
Booth #1847

Primary Application(s): The Maui is a wall-mounted boiler available in a "heat only" or "combi" model. Its compact design and ability to deliver both heat and hot water from the same unit (when the combi model is installed) make it ideal for applications where space is at a premium.

Key Feature(s): 85% AFUE-Energy Star rated; available in natural gas or LP gas; all major components (circulator, expansion tank, controls) are incorporated within the boiler jacket; concentric polypropylene venting system; LEDs provide basic diagnostic information; wiring harness.

Key Benefit(s): Compact and lightweight design; combi model provides both heat and hot water; low operating noise level.

Markets Served: Residential, Commercial

Downflow Heater

Electromode Division of Dimplex North America LTD.
Booth #1140

Primary Application(s): Prevents exchange of air (cold-warm, warm-cold); designed for light commercial and residential applications; reduces heat loss through frequently opened doors and windows.

Key Feature(s): Slim design; 3 settings (full heat, half heat, fan only); creates warm air barrier; available in single and double door widths; quiet operation.

Key Benefit(s): Easy to install; ultra quiet; provides blanket of air.

Markets Served: Residential, Commercial



Electro Industries, Inc.
Mini-Boiler™

GREEN PRODUCT

Boiler

Electro Industries, Inc.
Booth #6016

Primary Application(s):

The Mini-Boiler™ provides the installer with an easy access control board, a smaller, sleeker design, and built-in water temperature control.

Key Feature(s): This boiler includes a circuit breaker, pump relay, off-peak control, H stamped vessel, and 20-year warranty on the vessel and heating elements. Sizes range from 1 kW through 9 kW, with a temperature range of 90°F to 160°F.

Markets Served: Residential, Commercial

GREEN PRODUCT

Direct Drive Indoor Blower Motor

Emerson Climate Technologies, HVACR Motor Division
Booth #4910

Primary Application(s): Drops into existing furnace and air handling applications, replacing PSC motors without system modifications.

Key Feature(s): Maximum 82% efficient; exclusive motor control technology; fits a wide variety of applications, horsepower and mountings; connects just like a PSC.

Key Benefit(s): Quick and easy installation; energy efficient; improved comfort and indoor air quality; wide application coverage.

Markets Served: Residential

Finned Tubing

Energy Transfer/MDE
Booth #2912

Primary Application(s): Boilers, condensers, oil coolers, refrigerators, water and steam coolers.

Key Feature(s): Large variety of tubing styles to fit any application; products can be made out of most common grades of tubing; the enhanced tube provides better heat transfer over the same footprint.

Key Benefit(s): Custom made to fit any application.

Markets Served: Residential, Commercial, Institutional, Industrial



Energy Transfer/MDE
Technical Tubing or Enhanced Tubing

Hot Water Boiler

GASMASTER Industries Incorporated
Booth #5083

Primary Application(s): Used in retrofit hydronic applications.

Key Feature(s): Small footprint fits through doorways (36" standard doorways), elevators, near condensing units; up to 88% efficient.

Key Benefit(s): Easy to install; tankless; single pass heat exchanger; easy transportation.

Markets Served: Residential, Commercial, Institutional, Industrial

Plate Heat Exchanger

GEA PHE Systems NA, Inc.
Booth #6118

Primary Application(s): Used where close temperatures approaches 10F and clean media are design considerations, or in multi-story buildings where pressure breakers are needed.

Key Feature(s): Capable of very close (10F) temperatures approaches; high pressure resistance; easy maintenance; easy footprint.

Key Benefit(s): Enhances system efficiency; minimizes downtimes for maintenance; reduces mechanical room size requirements.

Markets Served: Commercial, Institutional, Industrial

Electric Explosion Proof Unit Heater

Hazloc Heaters, Inc.
Booth #1043

Primary Application(s): Hazloc XEUI Unit Heaters are designed for comfort heating or freeze protection in hazardous locations.

Key Feature(s): Enclosure "O" rings to minimize moisture/dust ingress; dual high temperature limits.

Key Benefit(s): XEUI heater offers the highest air temperature rise, on average, across the model range; 36-month warranty.

Markets Served: Institutional, Industrial

Plate Heat Exchangers

LS Petrochem Equipment Corp.
Booth #1143

Primary Application(s): LSHE products in high thermal and mechanical performance cover a large collection of application areas such as residential, commercial and all industrial processes.

Key Feature(s): Over 30 types of gasketed range glued or locked from 1" to 16" port size; flexible fully welded PHEs cover up to 900 oC and 60 barg.

Key Benefit(s): Corrugation in dimple, chevron, tube and flat from 2 mm – 24 mm gap for clean or dirty fluids.

Markets Served: Residential, Commercial, Institutional, Industrial

GREEN PRODUCT

Positive Pressure & Condensing Stainless Steel Vent

Metal-Fab, Inc.
Booth #5210

Primary Application(s): Venting category II, III and IV appliances (boilers, tankless water heaters and pool heaters).

Key Feature(s): "Push-on" connection so no tools are required; seamless gasket for a leak-proof connection; very high temperature and pressure ratings.

Key Benefit(s): Quick and easy installation; can penetrate fire-rated walls where plastic vent cannot.

Markets Served: Residential, Commercial, Institutional, Industrial



Midco International, Inc.
MPG Series Power Gas Burner

Power Gas Burner

Midco International, Inc.
Booth #4359

Primary Application(s): MPG burners fire at 150,000 BTUs minimum to 2,500,000 BTUs maximum capacity. They were developed with modular construction to make them adaptable to many applications. They are UL and UL-C approved. They have optional valve trains and controls to meet ASME CDS-1, Factory Mutual, NFPA and GAP (formerly IRI) specifications.

Key Feature(s): Standard blower placement is on top. For tighter applications, the blower can be positioned on the bottom. It has standard 120V electronic microprocessor flame safeguard and flame rod sensing or optional UV sensing. OEM models have numerous options as well as unassembled valve trains and welded flanges to fulfill many application requirements.

Key Benefit(s): The burner gas manifold and its stainless steel retention plate are engineered to mix gas fuel and combustion air thoroughly for increased combustion efficiency. The standard burner style of firing is on-off with slow opening diaphragm gas valve and fixed air shutter. Hi-Lo-Off firing or 3-1 and 10-1 turndown modulation capabilities are available.

Markets Served: Residential, Commercial, Institutional

GREEN PRODUCT

Radiant Tubing

Mr Pex Systems, Inc.
Booth #1251

Primary Application(s): Mr PEX tubing is flexible, kink resistant and holds a large amount of pressure. Molecular orientation is achieved during a unique extrusion process, resisting stress around its perimeter. Peroxide crosslinking occurs simultaneously with the orientation, guaranteeing optimal tubing properties.

Key Feature(s): Tubing has a 25-year warranty.

Markets Served: Residential, Commercial, Institutional, Industrial

GREEN PRODUCT

Unit Heater (Gas-Fired)

Modine Manufacturing Company
Booth #2535

Primary Application(s): Modine's Condensing Unit Heater takes advantage of a secondary heat-exchanger to turn what was an 80+% efficient gas-fired unit into a 95% efficient heater, creating enormous energy savings.

Key Feature(s): Same box sizes as new PTS/BTS tubular heat exchanger line; secondary heat exchanger allows unit to act like a hanging residential furnace.

Key Benefit(s): Tremendous energy savings; small and light, making for easy installation.

Markets Served: Commercial, Institutional, Industrial

GREEN PRODUCT

Combination Tankless Water Heater and Boiler

Navien America, Inc.
Booth #2070

Primary Application(s): For residential and commercial buildings.

Key Feature(s): Dual applications; high efficiency; PVC venting; eco-friendly.

Key Benefit(s): Dual purpose gas appliance; easy installation.

Markets Served: Residential, Commercial

Furnace

Nordyne
Booth #2400

Primary Application(s): The 92.1% AFUE furnace is for residential use.

Key Feature(s): It is under 35" tall, has diagnostic controls on circuit board with flame signal indicator, flexible venting and captured door screws.

Key Benefit(s): It better accommodates high SEER coils, LED eliminate flash canting, contractor-friendly design, motor-speed selector switches make installation easier.

Markets Served: Residential

Hot Water Wall Boiler

Parker Boiler Company
Booth #1236

Primary Application(s): Commercial/ industrial buildings.

Key Feature(s): Flexible bent tube design; available as gas, oil combination or low NOx fired; multiple burner options; raises efficiencies up to 87%.

Key Benefit(s): Designed to fit through standard 36" doorway without disassembly; light weight.

Markets Served: Commercial, Industrial



Parker Boiler Company
204WW Direct Hot Water Wall Boiler

GREEN PRODUCT

Boiler

Peerless Boilers
Booth #5522

Primary Application(s): The PureFire™ gas-fired condensing boiler is a high-efficiency boiler for residential and commercial applications. The direct vent, sealed combustion boiler has an ultra-high 95.85% efficiency and is thoroughly tested.

Key Feature(s): The PureFire™ is Energy Star® approved and has ASME and ETL certifications for both the U.S. and Canada.

Markets Served: Residential, Commercial, Institutional

GREEN PRODUCT

Low NOx Gas Burner

Power Flame, Inc.
Booth #5525

Primary Application(s): The NOVA Plus™ 2 ultra low NOx gas burners range in capacities from 400 MBH to 6,100 MBH. The burner employs a fully premixed, surface stabilized combustion technology to provide proven low NOx solutions to Sub 9 PPM without the use of FGR for commercial, industrial and process applications.

Key Feature(s): The package is UL listed, factory tested, and comes standard with a VFD control.

Markets Served: Commercial, Institutional, Industrial



Power Flame, Inc.
Nova Plus™ 2 Ultra Low NOx Gas Burner

Hydronic Junction/ Low Loss Header

Sinus North America Manufacturing, Inc.
Booth #6630

Primary Application(s): The complete solution for hydronic separation for all applications, from residential to industrial.

Key Feature(s): Integrated gas/air purger through stainless steel basket; integrated sediment and magnetite purging through magnetic filters.

Key Benefit(s): Easy to install and service.

Markets Served: Residential, Commercial, Institutional, Industrial



Sinus North America Manufacturing, Inc.
Sinus Hydromaxx



Space-Ray
PTS Series Infrared Gas Heater

GREEN PRODUCT

Infrared Gas Heater

Space-Ray
Booth #1313

Primary Application(s): Used in commercial and industrial building heating from auto dealerships, aircraft hangars, warehouses, MFG. plants, fire stations and highway buildings.

Key Feature(s): Positive pressure system with revolutionary safety system (TISS®); multiple lengths and configurations from 60 to 200 MBH.

Key Benefit(s): Ideal for installations where less than 60 dB operating conditions are desired; cast iron burner; system monitoring lights and calorized tubes.

Markets Served: Commercial, Institutional, Industrial

GREEN PRODUCT

Gas Burner

S.T. Johnson Company
Booth #4483

Primary Application(s): Commercial and small industrial.

Key Feature(s): Ultra low emissions with out-of-the-box compliance.

Key Benefit(s): Easy to install, service and operate.

Markets Served: Commercial, Institutional, Industrial

GREEN PRODUCT

Blanket Insulation

Thermal Ceramics
Booth #1253

Primary Application(s): Oven insulation; water heaters; cookers.

Key Feature(s): Thermal efficiency; low shot content; odorless; biosoluble fiber.

Key Benefit(s): Handability; custom cut; low biopersistent.

Markets Served: Residential, Commercial, Industrial

Air Flow Sensing Switch

UniControl, Inc., Div. of Cleveland Controls
Booth #6422

Primary Application(s): Designed for OEM applications.

Key Feature(s): Contaminant-free construction; narrow switching differential; wide temperature and set point range; versatile glass-filled polycarbonate body with integral switch cover and color-coded ports.

Key Benefit(s): Low cost; reliable; highly accurate; easily customized set point range, terminals, connectors and mounting style; many custom options available.

Markets Served: Residential, Commercial, Industrial

Snow Melt Control

Viega LLC
Booth #2636

Primary Application(s): Viega's Basic Digital Snow Melt Control II is an on-demand snow and ice melting package. The control senses low-air temperature and precipitation to activate the snow-ice melting system. A slab sensor prevents overheating of the slab.

Key Feature(s): Equipped with a timer switch for manual activation, it is a comprehensive, residential package.

Markets Served: Residential



Viega
Basic Digital Snow Melt Control II



Zurn Industries, Inc.
Performa™ Barrier Tubing

GREEN PRODUCT

Combustion Control

Webster Engineering & Manufacturing Co., LLC
Booth #4168

Primary Application(s): The Temp-A-Trim™ air density trim system offers fuel savings up to 3% by maintaining optimal burner combustion efficiency.

Key Feature(s): This easy-to-install system senses combustion air temperature and automatically varies burner fan speed to create a constant mass airflow, thereby maintaining optimal combustion efficiency. No special set-up is required.

Markets Served: Commercial, Institutional, Industrial



Zhanjiang CNE Electricity Corporation
CCA-H4025 Ignition Module

GREEN PRODUCT

Ignition Module

Zhanjiang CNE Electricity Corporation
Booth #6360

Primary Application(s): Used in HVAC fields, such as gas boilers, hot blast furnaces and gas heating devices; designed for use with a variety of gas flame heating applications such as pool and spa heaters, furnaces, water heaters, infrared heaters, commercial and industrial appliances.

Key Feature(s): Features include universal function; high anti-jamming ability and reliability; 24VAC input; remote flame sense; diagnostic LED indicator; ignition trial as required; automatic one-hour reset; custom pre-purge and inter-purge times; external flame sense test pins.

Key Benefit(s): Safe; easy operation; reliable; easy to install. ETL Approved. Design conforms to ANSI Z21.20-2000 and CSA-C.22.22 No. 199-M89.

Markets Served: Residential, Commercial

Barrier Tubing

Zurn Industries, Inc.
Booth #6176

Primary Application(s): Zurn PEX Performa™ Barrier Tubing is used in a wide range of radiant heating applications

Key Feature(s): PEX Performa™ Barrier Tubing is the new and improved barrier tubing that is 30% more flexible than other barrier tubing. Performa™ is packaged on Zurn's exclusive QickCoil™ packaging system to minimize coil memory so Performa™ lays flatter.

Markets Served: Residential, Commercial, Institutional, Industrial

VENTILATION EQUIPMENT



Arzel Zoning Technology, Inc.
CoolMizer™ Economizer/Ventilation Control
for Split-Systems

GREEN PRODUCT

Economizer/ Ventilation Control

Arzel Zoning Technology, Inc.
Booth #6368

Primary Application(s): The CoolMizer™ is an economizer and ventilation control for split-systems. When outdoor conditions are favorable, it pre-empts the equipment on a thermostat call and opens the outside damper, providing free conditioning and fresh air in one system.

Key Feature(s): Fully adjustable control parameters; backlit display and simple "Set-Up Wizard"; combo temp/humidity sensor; new revenue opportunity for contractors in the "green" market.

Key Benefit(s):

Markets Served: Residential, Commercial



Atmosphere, Inc.
V-16XL Ventilator

Ventilator

Atmosphere, Inc.
Booth #6569

Primary Application(s): The V-14XL and V-16XL are added to Atmosphere's Vortex Powerfans V-series inline blowers, combining high performance and quiet operation.

Key Feature(s): Using mixed-flow impellers, the V-series push more air than comparable designs, and operate at lower RMP, making them even quieter.

Markets Served: Residential, Commercial, Institutional, Industrial

GREEN PRODUCT

Energy Efficient Fan

Big Ass Fans
Booth #2835

Primary Application(s): The Pivot is a functional, flexible solution for mezzanines, narrow aisle ways, around ceiling obstructions and in confined workspaces.

Key Feature(s): The mounting system features two pivot points that give the fan 73 unique hanging positions. The proprietary airfoil and winglet combo maximizes performance at smaller sizes. The precision molded hub ensures smooth operation and long life. Exclusive trim pieces reduce noise at connection points for quiet operation. There is a touch-pad controller with digital RPM and speed read-out and an optional easy-to-install cage.

Key Benefit(s): The compact six-foot diameter Pivot has been designed to be seen, and built to last. Pivot has the strength, reliability and safety features to operate worry-free in tough environments, with sleek styling appropriate for showing off.

Markets Served: Residential, Commercial, Institutional, Industrial



Big Ass Fans
Pivot Energy Efficient Fan

GREEN PRODUCT

Fans

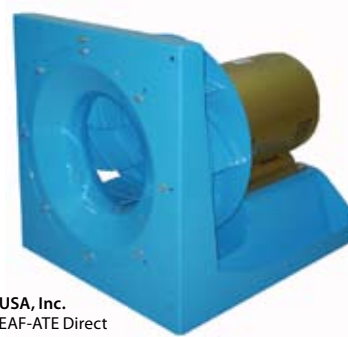
CES Group, Inc.
Booth #2310

Primary Application(s): FANWALL TECHNOLOGY® makes what looks like the impossible, possible. A FANWALL® system is an array of smaller, high-efficiency airfoil plenum fans. Small in size, quiet in operation and energy efficient, the system can fit in most service elevators or through standard hallways and doorways.

Key Feature(s): Stackable in sizes 5,000 to 400,000+ cfm; easy to retrofit old fans in hard-to-reach places; reduce unit footprint as much as 50%; reduced air handler weight can reduce structural costs.

Key Benefit(s): Redundancy of fans maximizes air conditioning uptime; lower sound levels make for quieter spaces; system efficiency equals energy savings; easy to maintain; extended filter life; technology can aid in LEED® building designs.

Markets Served: Commercial, Institutional, Industrial



Comefri USA, Inc.
ANPL-APEAF-ATE Direct
Drive Plenum Fans

GREEN PRODUCT

Direct Drive Plenum Fan

Comefri USA, Incorporated
Booth #5177

Primary Application(s): These direct drive plenum fans have been designed for applications where high efficiency and/or low noise levels are demanded.

Key Feature(s): Fully welded construction allows for any one of three different impeller types to be mounted on the same size support structure.

Key Benefit(s): High efficiencies; low vibration and noise levels; flexibility of application.

Markets Served: Commercial



Continental Industries, Inc.
AFBG Diffuser

Diffuser

Continental Industries, Inc.
Booth #4122

Primary Application(s): Residential and light commercial return or supply air.

Key Feature(s): Attractive; rigid aluminum; sidewall, ceiling or t-bar application; extreme sizing options.

Key Benefit(s): Versatility in location or supply/return air usage.

Markets Served: Residential, Commercial, Institutional



CES Group, Inc.
FANWALL TECHNOLOGY®

GREEN PRODUCT

Fan, Axial

ebm-papst Inc.
Booth #1824

Primary Application(s): Refrigeration, ventilation and air conditioning; commercial buildings and industrial.

Key Feature(s): The innovative HyBlade® features ultra-strong aluminum alloy optimized blades sprayed with a special jacket of fiber-reinforced plastic that allows for a significant reduction in both weight and noise compared to conventional sheet metal blades.

Key Benefit(s): Easy to install; ultra-efficient blade profile; revolutionary noise reduction; light weight; hassle free.

Markets Served: Commercial, Institutional, Industrial



ebm-papst Inc.
HyBlade® Axial Fan

Ventilation Duct System

ECCO Manufacturing,
a division of ECCO
Heating Products, Ltd.
Booth #6383

Primary Application(s): The ECCODUCT™ system is a rectangular fire rated spiral seamed duct that is embedded in the structural concrete floors of high-rise condominiums. It is used to exhaust air from bathroom fans, range hoods, and clothes dryers. It also can be used for fresh air intake and supply air. Reduces labor costs.

Markets Served: Residential, Commercial



ECCO Manufacturing, a
division of ECCO Heating
Products, Ltd.
ECCODUCT™ Ventilation
Duct System

Corrosive Air Ventilator

FanAm, Inc.
Booth #4083

Primary Application(s): Under slab mitigation of corrosive and/or hazardous gases; chlorine/battery storage rooms.

Key Feature(s): High pressure airflow capabilities; non-corrosive construction housing and impeller; explosion proof motors.

Key Benefit(s): Polypropylene construction that protects against corrosion; installed in thousands of methane and gasoline under slab systems across North America.

Markets Served: Residential, Commercial, Institutional, Industrial

Fans/Blowers

Fans-Tech Electric Co. Ltd. /
Pelonis Technologies
Booth #1559

Primary Application(s): Backward curve blades and forward curve blades, 133 mm to 355 mm, for residential, commercial and industrial heating, A/C, refrigeration and ventilation.

Key Feature(s): High efficiency inlet designs; maintenance-free ball bearings; RoHS compliant; IP20/23/44 ratings with 40,000 hours of operation.

Key Benefit(s): Vibration-free operation; factory support; quality; performance; value.

Markets Served: Residential, Commercial, Institutional, Industrial



Fans-Tech Electric Co. Ltd. / Pelonis Technologies
Fans/Blowers

GREEN PRODUCT

Ventilation Fan

Panasonic Home & Environment
Company
Booth #6485

Primary Application(s): The WhisperGreen ceiling mount ventilation fan with DC motor technology is used for bathrooms in residential and light commercial applications.

Key Feature(s): DC motor, motion sensor, and is an Energy Star qualified light/fan.

Key Benefit(s): 300-500% more energy efficient than Energy Star requirements, quiet, easy to install with six year warranty.

Markets Served: Residential, Commercial

Wall Mounted Exhaust Fan

Peerless Blowers; Affiliate of HBD
Industries, Inc.
Booth #1835

Primary Application(s): This economical fan product is designed for use in kitchens, laundries, bakeries and farm ventilation uses. It can be used anywhere a smaller amount of ventilation is desired.

Key Feature(s): PVL 5 is a direct drive unit.

Key Benefit(s): The product is a one-piece unit; no need to match shutter size to fan.

Markets Served: Commercial, Institutional, Industrial

Polypropylene Utility Blowers and Fans

Plastec Ventilation, Inc.
Booth #6169

Primary Application(s): Used to exhaust corrosive air in applications such as Lab Hood, Metal Processing and Water Treatment.

Key Feature(s): Compatible with NEMA Frame C Face Motors.

Key Benefit(s): Light weight; highly corrosive resistant; durable; available with a host of different motor styles without bushing aids.

Markets Served: Residential, Commercial, Institutional, Industrial

Flexible Vent Component

ProTech Systems/
Simpson Dura - Vent Co. Inc.
Booth #5366

Key Feature(s): Highly flexible; smooth innerwall; available in 150' coils or compact kits; one piece top-to-bottom connection; precision engineered sure-seal locking seal; fully compatible with FasNSeal vent system.

Key Benefit(s): Easy to install; reduces cost; no output reduction; UL-1738 Listed flex vent.

Markets Served: Residential, Commercial, Institutional, Industrial

GREEN PRODUCT

Flat Fluorescent Light Fan

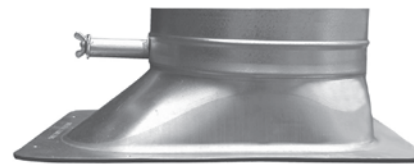
Reversomatic Manufacturing Ltd.
Booth #4777

Primary Application(s): Introducing our new fan/light combination with or without built-in fire fighter ceiling damper.

Key Feature(s): Quiet; attractive style; heavy gauge non-corrosive satin coat construction.

Key Benefit(s): Saves 75%-81% energy; low heat generation extends life of lamp and reduces air conditioning cost.

Markets Served: Residential



Sheet Metal Connectors, Inc.
Newly Patented Super HETO

GREEN PRODUCT

High Efficiency Die Stamped Takeoff

Sheet Metal Connectors, Inc.
Booth #4383

Primary Application(s): Commercial buildings when branching round ducts from rectangular trunk lines.

Key Feature(s): 22 gauge galvanized solid body construction; available with or without volume dampers; available with standoffs or extensions.

Key Benefit(s): The Super HETO's design allows for the maximum amount of air to flow downstream, making the system easier to balance and energy efficient.

Markets Served: Commercial, Institutional

Remote Drive Upblast Fans

Soler & Palau Ventilation Group,
Breidert Air Products
Booth #4369

Primary Application(s): Used in commercial and industrial buildings.

Key Feature(s): Especially suitable for removal of heated or contaminated air; available in sizes 24-60.

Key Benefit(s): All models are capable of continuous operation, exhausting air to 2000F; models UBSRD-HT/HT1 successfully passed heat tests of 10000F for 15 minutes and 5000F for 4 hours.

Markets Served: Commercial, Industrial

GREEN PRODUCT

Inline Duct Fans

Soler & Palau Ventilation Group,
Breidert Air Products
Booth #4369

Primary Application(s): Multi-family housing; commercial buildings.

Key Feature(s): Metal with epoxy coating for increased durability.

Key Benefit(s): Easy installation with attached mounting bracket and removable motor; Energy Star qualified.

Markets Served: Residential, Commercial



Soler & Palau Ventilation Group, Breidert Air Products
Models TD-355 & 400 Inline Duct Fans

GREEN PRODUCT

Dryer Boosting Fan Kit

Suncourt Inc.
Booth #4150

Primary Application(s): Used in residential applications for dryer vent runs over 15 feet.

Key Feature(s): Lightweight thermoplastic housing; quiet fan with current switch for reliable on/off operation; ETL listed; 5-year warranty.

Key Benefit(s): Current switch cannot be clogged with lint for long-lasting operation; reduces drying times; lowers energy usage and costs; less wear and tear on the dryer.

Markets Served: Residential



Suncourt Inc.
Centrax Dryer Boosting Kit

GREEN PRODUCT

Dryer Booster Fan

Tjernlund Products Inc.
Booth #6210

Primary Application(s): Used in multi-family housing for dryers that must overcome long or convoluted duct runs to exhaust to the outside.

Key Feature(s): Automatically turns on and off with dryer; has a special blower wheel that will not clog with lint; backed by 5-year guarantee.

Key Benefit(s): After you plug it in, you will not need to service it ever again. No clogging!

Markets Served: Residential



Tjernlund Products Inc.
Dryer Duct Booster® Fan Model LB1

Building Controller – Web Server

Alerton
Booth #3422

Primary Application(s):

Cost-effective web server that automatically reads building automation system data and translates it to web pages.

Key Feature(s): Supports up to 130 unitary controllers; maintains alarm history, trendlog data and user activity; purposefully intuitive user interface and web layout; supports archiving historical data and emailing alarms.

Key Benefit(s): Scaleable economic solution for small to medium sized buildings.

Markets Served: Residential, Commercial, Institutional, Industrial



Alerton
BCM-WEB Server

HVAC Thermostat Controllers

ANCHER Technology, Inc.
Booth #3842

Primary Application(s): Multi-stage on-off; modulating floating for ECU, VAV, AHU controls.

Key Feature(s): Modbus RTU communication; configurable.

Key Benefit(s): Cost; 24V/110V/230VAC.

Markets Served: Commercial



ANCHER Technology, Inc.
T8100, T8300, T8400, T8500 & WS74, Wireless Thermostat, DPT300, T5000

Current Switch

Automation Components, Inc.
Booth #3750

Primary Application(s): The ACI Mini Current Switch combines an accurate and reliable switch with an enclosure that is considerably smaller than a typical design. The smaller footprint allows for easier installation in tight spaces. They are offered with either a fixed or an adjustable trip point, and the option of a split-core design.

Markets Served: Commercial

GREEN PRODUCT

Freezer or Cooler Temperature Sensor

BAPI (Building Automation Products, Inc.)
Booth #3950

Primary Application(s): Temperature sensing in walk-in freezers or coolers.

Key Feature(s): Approximates the temperature of the contents of the cooler or freezer, not the temperature of the air.

Key Benefit(s): Eliminates air temperature alarms and harmful short cycling of the refrigeration equipment caused by opening and closing the door, saving energy and money.

Markets Served: Commercial, Institutional, Industrial



Belimo Americas
NEMA 4X Actuator

Actuator and Housing

Belimo Americas
Booth #3414

Primary Application(s): Harsh conditions including rooftop applications, indoor swimming pools, wood drying kilns, agriculture and food industries.

Key Feature(s): UV Protected housing and window; weather-tight and corrosion resistant; meets UL Type 4X, IP66/67 requirements; for high humidity or low temperature (-400F) applications, a heater with controller can be supplied.

Key Benefit(s): Reliability and a long service life.

Markets Served: Commercial, Institutional, Industrial

Automated Valve

Bonomi USA Inc.
Booth #5691

Primary Application(s): Commercial or industrial, sanitary, HVAC, swimming pools, alternative energy, chillers, zone heating, glycol refrigeration.

Key Feature(s): International standard; 2 or 3 wire control; low profile; heavy duty package; high performance; IP65 UL CE; manual override; economical.

Key Benefit(s): Can replace solenoid valves; on/off or modulating control/mixing valve capable; proportional control ready; multiple valve configurations.

Markets Served: Residential, Commercial, Institutional, Industrial

Router

Contemporary Controls
Booth #3953

Primary Application(s): BACnet®-oriented BAS system.

Key Feature(s): BACnet®/IP to MS/TP routing; cost effective; 24 VAC power; web page configuration; optically-isolated MS/TP communication port; all MS/TP baud rates; diagnostic LEDs; 10/100 Mbps; Ethernet auto-MDIX port.

Key Benefit(s): Allows using existing building Ethernet infrastructure; facilitates using MS/TP in a BAS IP architecture.

Markets Served: Commercial, Institutional, Industrial



Contemporary Controls
BAS Router (BASRT-B)

Network Gateway

Control Solutions, Inc.
Booth #3640

Primary Application(s): The Babel Buster® IP/XM is a low cost solution for putting Modbus® RTU and TCP devices on a BACnet® IP network. Babel Buster IP/XM is a Modbus® master and BACnet IP® slave that maps Modbus® registers to BACnet® objects. COV and COV Property subscriptions are supported.

Markets Served: Commercial, Institutional, Industrial

BACnet Gas Detection Transmitter

Critical Environment Technologies
Booth #3912

Primary Application(s): The BST Series BACnet Gas Detection Transmitter is used for carbon monoxide and many other hazardous gases.

Key Feature(s): BACnet, MSTP communication, adjustable Baud Rate, MAC address dipswitch is adjustable.

Key Benefit(s): It is reliable, easy to install, with many different gases detectable.

Markets Served: Commercial, Institutional



Critical Environment Technologies
BST Series BACnet Gas Detection Transmitter

GREEN PRODUCT

Touchscreen Display

Delta Controls Inc.
Booth #3423

The Delta Controls HMI is a seven inch diagonal color touchscreen interface that allows operators to manage building systems by using custom 3D real-time graphics. The HMI can be mounted in mechanical rooms or public spaces, allowing for management of HVAC equipment, schedules, temperature setpoints, and lighting.

Markets Served: Commercial

Carbon Dioxide Transmitter

Dwyer Instruments, Inc.
Booth #4010

Primary Application(s): Used to determine the level of occupancy in commercial buildings and institutions to increase efficiency of the building automation system. Dampers are opened or closed to maintain a desired carbon dioxide level.

Key Feature(s): Non-Dispersive Infrared Sensor with proprietary logic software eliminates the need for field calibration. Optional LED gives visual indication of the carbon dioxide level. Included passive temperature output reduces the number of controls needed.

Key Benefit(s): Reduces building energy cost by circulating air only to rooms that have demand for the air. Easy to install; does not require maintenance.

Markets Served: Commercial, Institutional

GREEN PRODUCT

Pressure Sensing Motor Control

Energy Saving Products Ltd.
Booth #6069

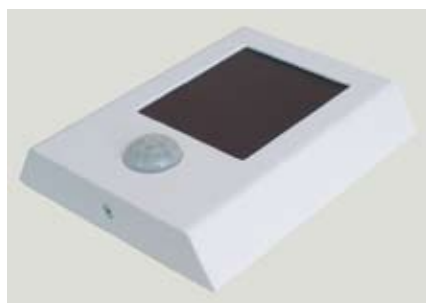
Primary Application(s): The PWM zoning controller is a motor controller that will be used in conjunction with a multiple SDHV damper control system.

Key Feature(s): The controller will monitor system pressure constantly and adjust motor speed to maintain a constant pressure and outlet CFM.

Key Benefit(s): The ability to adjust airflow to the opening and closing dampers, using the minimum amount of energy necessary to run the motor with power draws of less than .5 watts/cfm. It is ideally suited for use with chilled water, Variable Refrigerant Flow or Inverter Drive Condensing units to maximize overall efficiency.

Markets Served: Residential, Commercial, Institutional

Visit the BAC Showcase
South Hall
Aisles 3400-3900



EnOcean Inc.
Solar Presence Detector PM101

GREEN PRODUCT

Self-Powered Wireless Occupancy Sensor

EnOcean Inc.
Booth #3650

Primary Application(s): Sensor provides occupancy-based control that reduces utility spending on lighting, cooling and heating commercial office buildings.

Key Feature(s): Zero-dependency upon wires and batteries; provides an easy way to integrate occupancy-based conservation solution.

Key Benefit(s): Easy to install; no need to run wires to it; Easy to maintain; no need to replace batteries.

Markets Served: Residential, Commercial, Institutional

Variable Frequency Drive

Fuji Electric Corporation of America
Booth #3550

Primary Application(s): Used in commercial and institutional buildings.

Key Feature(s): Full line of bypass and non-bypass packaged offerings; common building automation protocols are built-in; options for BACnet and LonWorks protocols; quick set-up programming menu; PID with sleep mode; damper control; Fireman's Override functionality.

Key Benefit(s): Energy savings; easy programming; quick start-up; drive dedicated factory support.

Markets Served: Commercial, Institutional



Fuji Electric Corporation of America
FRENIC-EcoPAK Variable Frequency Drive

GREEN PRODUCT

Fast Modulating Actuators

INTEC Wilson Mohr, Inc.
Booth #3968

Primary Application(s): The 24 VAC/DC non-spring return actuators can be directly shaft mounted on air dampers, and shutters for super fast rotation.

Key Feature(s): Three models with different rotation speed are available: 1 sec/0-900/20 in-lb, 4 sec/0-900/70 in-lb, and 5 sec/0-900/135 in-lb; with angle, direction of rotation and switch adjustments, position display, signal input selection of 0/2-10 VDC or 0/4-20 mA control, and feedback signal.

Key Benefit(s): Provides needed fast damper rotation response in critical environment applications; the compact, maintenance-free design allows easy installation in restricted spaces.

Markets Served: Commercial, Institutional, Industrial



INTEC Wilson Mohr, Inc.
GA-VSP Series Fast Modulating Actuators

GREEN PRODUCT

Light Commercial Building Automation System

Lynxspring, Inc.
Booth #3744

Primary Application(s): Automation of HVAC equipment for light commercial buildings, energy management and energy use analysis.

Key Feature(s): Web-based; self-installing; demand limiting; up to 120 RTUs or heat pump on the network.

Key Benefit(s): Energy savings, comfort and control.

Markets Served: Residential, Commercial, Institutional, Industrial

Roof Top Starter/Disconnect

MAPA Products
Booth #2766

Primary Application(s): This fusible rainproof pedestal-mounted safety switch provides a localized starter-disconnect for roof mounted equipment.

Key Feature(s): Interruption of electrical service remotely is avoided since disconnects are mounted adjacent to rather than onto the equipment.

Key Benefit(s): The integrally welded stainless steel shroud with deck flange enables a weather-tight flash of the unit to the roof without the need for additional flashing.

Markets Served: Commercial

High Pressure Butterfly Valve

NIBCO, INC.
Booth #4649

Primary Application(s): NIBCO's new 285 PSI ductile iron butterfly valves are high pressure alternatives to more expensive high performance butterfly valves in non-steam applications. Both wafer and lug-style are available with standard and automated operators.

Key Feature(s): SS trim; EPDM molded-in liners with bi-directional dead end service.

Key Benefit(s): Ideal for HVAC (condensers, chilled water, hot water heating) applications.

Markets Served: Commercial, Institutional, Industrial

Electromagnetic Insertion Flow Meter

ONICON, Inc.
Booth #3536

Primary Application(s): The F-3500 is a highly accurate, hand insertable flow meter for use with conductive fluids.

Key Feature(s): The "no moving parts" design is accurate to within $\pm 1\%$ of reading over a wide range of flows and provides a 4-20 mA output for flow rates and a pulse output for totalization.

Markets Served: Residential, Commercial, Institutional, Industrial

BACnet Graphical User Interface

Open General
Booth #3545

Primary Application(s): OPENXpress is a powerful web based software package that enables you to create your own web based visual interface with virtually any native BACnet compliant control or monitoring system. It is suitable for a wide range of applications from Building Management Systems (BMS), Security Intruder Detection, Access Control and Supervisory Control and Data Acquisition (SCADA) systems.

Key Feature(s): Powerful web based graphics generation software allows you to generate web graphics without having to know the web HTML programming language. Powerful graphics handling lets you generate and see the layout of your building and plant services on screen using a standard web browser. Intuitive programming language allows operators to write, compile and communicate programs.

Key Benefit(s): Cost effective web based Graphical User Interface architecture allows multiple simultaneous users to drive the system without the need to install expensive file server computers and software licenses. Industry standard Microsoft.NET, SQL Server Architecture; multi-platform integration; plug and play auto discovery of BACnet devices; scheduling; logging; powerful alarm handling.

Markets Served: Commercial

Lighting Control System

PLC-Multipoint, Inc.
Booth #3642

Primary Application(s): The LCM-IE light control system is used in commercial, institutional and industrial applications, interior and exterior.

Key Feature(s): Supports 2, 3, 4 or 6 zones with photo, time clock, remote switching and timed override with sweep sequence programs.

Key Benefit(s): Easily configurable, stand alone lighting control system specifically optimized for interior and exterior applications.

Markets Served: Commercial, Institutional, Industrial

GREEN PRODUCT



Reliable Controls Corporation
SMART-Space Controller (SSC)

BACnet Controller

Reliable Controls Corporation
Booth #3600

Primary Application(s): Space controller for fan coil, small heat pump, air conditioning, and heating applications in offices, hotels and condominiums.

Key Feature(s): BACnet slave

controller; on board temperature sensor; up to 3 user programmable inputs, and up to 4 user programmable outputs; optional humidity, occupancy sensor; real time clock.

Key Benefit(s): Compact; economical; easy to wire; fully programmable; 5-year warranty; completely customizable; backlit LED screen.

Markets Served: Commercial, Institutional, Industrial

Wireless Thermostat and Zone Control Valve

Spartan Peripheral Devices
Booth #3946

Primary Application(s): Zone control applications for hot and chilled water and 50% glycol.

Key Feature(s): RF433 wireless room thermostat and control valve designed to work together; range up to 150 feet.

Key Benefit(s): Easily mounted on a large range of valve bodies; 2-way or 3-way with different connections in 1/2", 3/4" and 1" sizes.

Markets Served: Residential, Commercial, Institutional

Multiple Boiler Control

Tekmar Control Systems Ltd.
Booth #3932

Primary Application(s): The Boiler Control 275 operates up to four modulating boilers to provide outdoor reset for heating systems plus domestic hot water and setpoint operation with priority. With up to 6 pump outputs, the 275 can accommodate a range of boiler and DHW piping configurations.

Key Feature(s): The 275 has primary pump sequencing capabilities along with a flow proof or combustion air damper proof demand. It can be used as a tN4 system control for remote communication via a web browser.

Key Benefit(s): With energy saving options such as outdoor reset, automatic boiler differential and built-in setback schedules, the 275 helps consumers save fuel and money. Pump sequencing, exercising and boiler rotation add to system reliability.

Markets Served: Residential, Commercial, Institutional, Industrial



Trend Control Systems USA
IQ3xcite Building Controller

BACnet- and Web-enabled Building Controller

Trend Control Systems USA
Booth #3632

Primary Application(s): Provides standalone or integrated operation in buildings of all types, purposes and sizes.

Key Feature(s): BACnet communications, integrated web server that delivers user-specific pages to a personal computer or mobile device through an internet browser.

Key Benefit(s): Enables monitoring or adjustments to the IQ3xcite controller from any internet access point in the world.

Markets Served: Commercial, Institutional, Industrial



Tridium, Inc.
M200 Embedded Controller

Embedded Controller

Tridium, Inc.
Booth #3418

Primary Application(s): Tridium's JACE®-M200 is an embedded controller/server platform designed for remote monitoring and control applications. The unit combines integrated control, supervision data logging, alarming, scheduling and network management functions, integrated IO and optional GPRS Modem connectivity with internet connectivity and web serving capabilities in a small, compact platform.

Key Feature(s): Ideal for smaller facilities, remote sites, or distributing control and monitoring in large facilities; on-board I/Os available for local control; supports wide range of field busses for connection to remote I/O and stand-alone controllers; in larger facilities and integrations, multiple JACEs managed via AX Supervisor software.

Key Benefit(s): Supports open and legacy protocols; run stand-alone control, energy management and multi-protocol integration; BTL® listed when BACnet driver is used; expandable; easy to install; built-in universal input power supply; unit available with GPRS Modem for remote internet access and alarm monitoring

Markets Served: Commercial, Institutional, Industrial

Flow Meter

Veris, Inc.
Booth #3922

Primary Application(s): Accelebar® combines two DP technologies for liquid, gas or steam flow measurement.

Key Feature(s): No straight run requirements; low velocity flow rates; high accuracy ($\pm 0.5\%$) over entire operating range (turndown); verified by independent lab testing; low permanent pressure loss.

Key Benefit(s): Ideal for applications with little or no straight run piping before the meter.

Markets Served: Commercial, Institutional, Industrial

GREEN PRODUCT

Humidity Controller

Viconics Electronics, Inc.
Booth #3762

Primary Application(s): The VH7200 series of humidity controllers has been designed specifically for controlling commercial humidification and dehumidification equipment within accuracies of $\pm 3\%$. All VH7200 humidity controllers feature a large backlit 2 x 8 character digital display, digital service inputs for local equipment monitoring, outdoor reset capability, remote humidity monitoring capability and "real-text" menu driven onboard configuration utility, eliminating the need for additional service tools. Networked enabled models will come shortly, featuring BACnet MS/TP, Lontalk, and Wireless Zigbee communication interfaces, allowing these humidity controllers to be integrated to virtually any building automation system.

Markets Served: Commercial, Institutional

GREEN PRODUCT

Room Lighting Controller

Watt Stopper/Legrand
Booth #3719

Primary Application(s): The LI-ARP reduces the cost and complexity of lighting control projects. Previously incorporating additional controls into a panel-based system meant long added wiring runs and wasted circuit capacity. The LI-ARP moves relays into the areas they control to eliminate these problems, providing an excellent room control solution. Now greener designs, including LEED-certified designs, are easier and more cost effective.

Key Feature(s): The pack provides two relay outputs to support bi-level switching and manual-on operation for maximum energy savings. It accepts inputs from occupancy sensors and daylighting controls. The LI-ARP communicates with Watt Stopper/Legrand's Complete Control System via a single data line, and works as a normal component of the scheduled relay panel system.

Key Benefit(s): In its default mode, the LI-ARP is set for maximum energy savings, incorporating a manual-on/automatic-off strategy. This strategy can be customized to support different control scenarios for scheduled periods and after-hours operation.

Markets Served: Commercial, Institutional, Industrial



Watt Stopper/Legrand
LI-ARP Room Lighting Controller



World Excel Company Ltd.
TS01 Touch Screen Thermostat

Thermostat

World Excel Company Ltd.
Booth #6566

Primary Application(s): Residential and commercial use.

Key Feature(s): Heat/cool/auto selection; operating temperature -400-950F/00-40.50C; 2 heat 2 cool (max) for thermostat; 3 heat 2 cool (max) for heat pump; LCD display for time, temperature, weekday, program, stage of heater and cooler indicator; low battery indicator and defrost indicator; backlight.

Key Benefit(s): Easy-to-read backlit LCD display with touch screen interaction; user friendly; effortless; efficient temperature control.

Markets Served: Residential, Commercial



World Magnetics; Design Flex Switches
PSF 102 Series Ultra Sensitive Switch

GREEN PRODUCT

Ultra Sensitive Pressure, Vacuum & Differential Switch

World Magnetics; Design Flex Switches
Booth #5595

Primary Application(s): This ultra sensitive switch can detect pressure or vacuum as low as 0.03" H2O. Applications include HVAC sensing air flow, filter detection, blowers, power venting, blocked vents, exhaust ducts, flue gas, boilers, and pellet and corn stoves.

Markets Served: Residential, Commercial, Institutional, Industrial



AEC Design Group
CADPIPE HVAC Drafting/Design Software

GREEN PRODUCT

HVAC Drafting/Design Software

AEC Design Group
Booth #3128

Primary Application(s): CADPIPE HVAC is a leading spec driven design program specifically created for the HVAC industry, enabling you to easily create accurate and professional 3D HVAC models, fabrication spools, and construction drawings.

Key Feature(s): Visit www.cadpipe.com to try CADPIPE HVAC 9.0 for free.

Markets Served: Commercial, Industrial

GREEN PRODUCT

Web-based Software

Bidtracer Specialty Software
Group LLC
Booth #3018

Primary Application(s): Bid Tracer is web-based software to provide a method to track bids, send proposals, estimate, invite vendors/subcontractors, project management and reports.

Key Feature(s): Ideal for construction industry, saving time and money by going paperless and making selling easier.

Key Benefit(s): No software to install or technical support required; easy to use; allows you to be up and running in less than a day.

Markets Served: Commercial, Institutional, Industrial

Selection Software

Computair Limited
Booth #3054

Primary Application(s): WinTADS Lite is a "standardized" Air Handling Selection Programme based on our established WinTADS programme at an affordable price.

Key Feature(s): Multi-lingual; project management system included; measurement conversion functionality; CAD superfluous, but can be linked to CAD and ERP systems.

Key Benefit(s): Possible enhancements include paneling, manufacturing outputs, link to nesting system, complicated topologies and additional component functionality.

Markets Served: None designated

"Materials Needed" Software

Elite Software Development
Booth #3122

Primary Application(s): The Bill of Materials software is used in residential and light commercial applications.

Key Feature(s): Able to automatically perform a take-off of materials needed for an HVAC installation such as ductwork, accessories and HVAC equipment.

Key Benefit(s): Provides accurate cost estimates and material and labor required.

Markets Served: Residential, Commercial

GREEN PRODUCT

Pipe Flow Software

Engineered Software, Inc.
Booth #3032



Engineered Software, Inc.
PIPE-FLO® Professional
2009 Software

Primary Application(s): PIPE-FLO® Software is used to design, analyze, troubleshoot and simulate fluid and industrial gas piping systems.

Key Feature(s): PIPE-FLO® displays flow and pressures in pipelines, along with the interaction of pumps, control valves, and flow meters.

Key Benefit(s): PIPE-FLO® is easy to use, and quickly makes accurate calculations, providing a clear picture of your piping system.

Markets Served: Commercial, Institutional, Industrial

GREEN PRODUCT

Design Tool Software

Fluid Dynamics Solutions, Inc.
Booth #6417

Primary Application(s): Fluid Dynamics Solutions, Inc. developed an innovative method by applying Computational Fluid Dynamics (CFD) to assist designers and balancers in accurately designing or quickly balancing HVAC airflow systems.

Key Benefit(s): Supports HVAC designers and balancers to designing and balancing the airflow systems quickly and effectively.

Markets Served: Commercial, Institutional, Industrial

GREEN PRODUCT

Document Management Software

Jonas Software
Booth #3148

Primary Application(s): Jonas Document Management software is a fully functional integrated management system designed for organizing electronic and paper-based documents. Document managing activities include the capture, collaboration, creation, editing, control and distribution of scanned and electronic documents.

Key Feature(s): Integrated with MS Office 2003 and 2007 and Windows Explorer. Full text and tag based search quickly finds what you need based on document contents. Documents can be added to the system in two ways: connects to a scanner so paper documents can be scanned and imported; electronic documents can be added directly.

Markets Served: Residential, Commercial, Industrial



Jonas Software
Jonas Document Management Software

Integrated Construction Business Management Software

Maxwell Systems
Booth #3023

Primary Application(s): Maxwell Systems Estimation Logistics software allows full integration with Maxwell Systems American Contractor job cost accounting solution to deliver an end-to-end construction business management solution that streamlines workflow from estimate to billing, giving HVAC contractors instant access to real-time information and visibility into bid accuracy, job costs, profitability, and more.

Markets Served: Commercial, Institutional, Industrial



SRS Enterprises, Inc.
"The Coordinator" Software

Office Automation Software

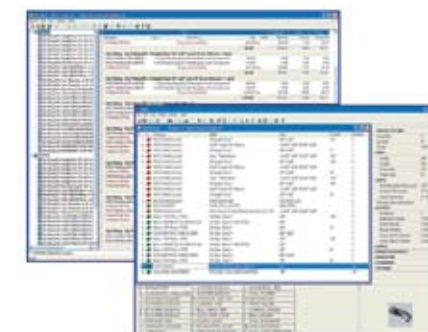
SRS Enterprises, Inc.
Booth #3132

Primary Application(s): "The Coordinator" software is the ultimate in office automation for a manufacturer's representative firm.

Key Feature(s): It will help you manage and track all your daily activities intuitively, accurately and from a salesman's perspective.

Key Benefit(s): You can manage your business with key information at the tip of your fingers, so you can close more jobs.

Markets Served: Commercial, Industrial



Maxwell Systems
Maxwell Systems Estimation Logistics Software

MobileTEC Software

WennSoft
Booth #3118

Primary Application(s): MobileTEC allows for two-way communication between back-office and field-based technicians via a handheld mobility device.

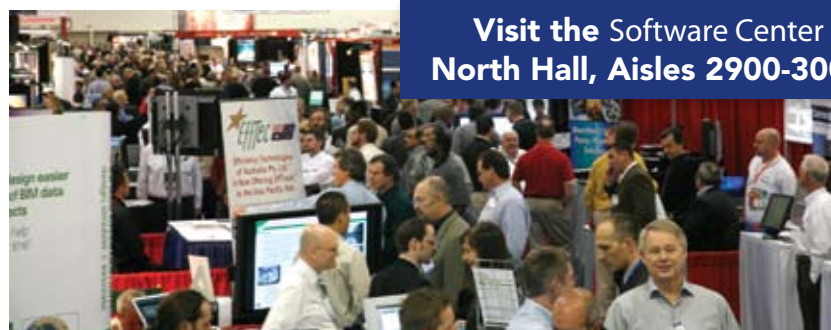
Key Feature(s): Service call dispatch, maintenance tasking, time entry and call close out and resolution.

Key Benefit(s): Increased dispatching efficiency, improved communication to and from the field, decreased data entry duplication, and reduced time from service to invoice.

Markets Served: Residential, Commercial, Institutional, Industrial



WennSoft
WennSoft
MobileTEC
Software



Visit the Software Center
North Hall, Aisles 2900-3000

AHR EXPO®

They're All Here – Over 1,800 Exhibitors from 33 Countries!

Exhibitors in green indicate that they have
“green products” displayed in their booth

Partial List of Exhibitors as of October 16, 2008

A		Airchange, Inc.	2323	ASI Controls	3815
A.J. Manufacturing Inc.	2857	Aitons' Equipment Inc.	4510	Aspen Compressor, LLC	2830
A.L. Eastmond & Sons	4877	Ajax Boiler Inc.	2010	Associated Air Balance Council (AABC)	6010
A.O. Smith Electrical Products Co.	5200	Alberta Custom Tee (2006) Ltd.	2549	Associated Ceramics & Technology, Inc.	4872
AABC Commissioning Group (ACG)	6010	Alco Manufacturing - A division of Standex Air Distribution Products	4022	Association of Energy Engineers (AEE)	3459
AAF International (American Air Filter)	4535	Alcoil, Inc.	4574	ATCO Rubber Products, Inc.	6135
ABB Inc.	3435	Alerton	3422	ATI	4728
ABP Induction	1463	Alfa Laval Inc.	4223	Atlanta Special Products Inc. / Pace Machinery Group, Inc.	6140
ABRAVA (Associação Brasileira Refrigeração, Ar Condicionado, Ventilação e Aquecimento)	2066	Allegis Corporation	2957	Atmosphere Inc.	6569
ABZ Valve & Controls	3668	Allied Engineering Company	6132	ATS - UP	6088
AC/R Latinoamérica / U.S. Division	5877	Allied Tube & Conduit	1139	Aurora Pump Company	4368
Access Information Technologies	3051	All-State	1861	Auto Tran Incorporated	3627
Accurate Perforating	1240	AllStyle Coil Co., LP / Texas Furnace, LLC	6340	Autoflame Combustion Management Systems	6346
Ace Boiler Inc.	2010	Alnor	1410	AutoFlo	6358
ACE Chemical (Atlantic Chemical & Equipment Co.)	1450	ALP s.r.l.	4774	Automatic Timing & Controls	4259
Ace Coils	4881	Alpha Industries	4783	Automation Components, Inc.	3750
ACL Machine Inc. - S & W Wilson Ent., Inc.	5883	Aluheat	5527	AWEB Supply Inc.	1033
Acme Engineering Products, Inc.	3952	Amarillo Gear Company	5977	AZ Instrument Corporation	6081
Acme Engineering Products, Ltd.	3952	Amber / Booth - A VMC Group Company	4859	Azimuth Machinery	3764
Acme Manufacturing - A division of Standex Air Distribution Products	4022	AMBER CAPACITORS LIMITED	1350	Azetek Washer Company	6664
Acme Refining	1557	Ambi-Rad Ltd.	2657		
Acotech	5527	Amcor Inc.	2057	B	
ACP Termotecnica Ltda.	6265	Amcot Cooling Tower Corp.	6427	Babbitt Steam Specialty Company	1113
ACR Systems, Inc.	2920	American ALDES Ventilation Corp.	6227	Babcock & Wilcox Power Generation Group	1430
Adams Manufacturing Co.	4023	American Auto-Matrix	3449	Bacharach, Inc.	3456
Addison	4217	American Boiler Manufacturers Association (ABMA)	4888	BACnet Interest Group Europe	3529
Adrian Steel Company	1570	American Coil	6159	BACnet International	3523
ADSL Inc.	6285	American Coolair Corp.	1647	Bad Dog Tools	6750
Advance Controls, Inc.	1413	ILG Industries		Badger Meter, Inc.	4668
Advance Cutting Systems	1920	American Hermetics Inc.	1558	Baldor Electric Company	4659
Advance Products & Systems, Inc.	4148	American HVAC Mfg., Inc.	6352	Baltimore Aircraft Company	4735
Advanced Control Technologies, Inc.	3628	American Metal Filter Company	1057	Banner Sales Co., Inc.	6229
Advanced Mechanical Technologies	5895	American Metal Products Group	4935	Barbour Consulting	3042
AEC Design Group	3128	American Mini Splits, Inc.	4273	Bard Manufacturing Company, Inc.	4264
AED Electronics	3850	American Power Conversion (APC)	6349	Barnes & Jones, Inc.	1439
Aeolus Filter Corporation	5591	American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc. (ASHRAE)	4210	Basement Systems, Inc.	2752
AERCO International, Inc.	1700	American Solar Systems	4273	BSF Polyurethane Foam Enterprises LLC	2817
Aerofin Corporation	2900	American Technical Publishers, Inc.	1141	Beacon Morris - A Mestek Co.	TBD
Aeroflex International	5176	American Ultraviolet	2320	Beckett Corporation	4636
Aeroflex, USA, Inc.	5176	American Wheatley HVAC Products	6153	R. W. Beckett Corporation	1728
Aeroflo Inc.	2600	AMETEK Technical and Industrial Products	1635	Beijing Hallin Auto Controls Equipment Co., Ltd.	TBD
Aero-Flo Industries, Inc.	4656	Amprobe	2328	Beijing Int'l. Exhibit Ctr. of CCPIT Beijing Sub Council (BEIC)	TBD
AEROLINE Tube Systems Baumann GmbH	1056	AmRad Engineering Inc.	6268	Beijing Leway International Fairs Co., Ltd.	TBD
AeroSonic	1536	AMS Controls, Inc.	1242	Beijing Worlead International Exposition Co., Ltd.	TBD
Aerosys, Inc.	1747	AMTROL, Inc.	2628	BEKAERT COMBUSTION TECHNOLOGY	5527
AESYS Technologies, LLC	5036	Anamet Industrial / Anaconda	4627	BELIMO Americas	3414
Jackson & Church HVAC Global York - Shipley Global		ANCHER Technology Inc.	3842	Bell & Gossett	4322
AFS Boru Sanayi AS	5383	Anco Products, Inc.	1053	Belleville Vee Cloth Co., Inc.	2554
Aftermarket Specialties, Inc. (ASI)	4976	Andalay Solar	4273	Bellman-Melcor, LLC	1644
A-Gas Americas Inc.	1442	Anderson Copper and Brass Company	1034	Benni Technologies Corporation	1026
AIC Heat Exchanger	1424	Anderson Metals Corp., Inc.	1429	Bentley Systems, Incorporated	3050
AIC Wireless	3645	Antunes Controls	1947	Berko Electric, Marley Engineered Products, An SPX Company	2235
AIM/R - Association of Independent Manufacturers/Representatives, Inc.	5487	Antunes Filtration Technologies	1947	Berry Plastics Tapes & Coatings Division	1750
Air Conditioning, Heating & Refrigeration News	4350	Anvil International	2810	Beru AG	1241
Air Cool A/C Inc.	3157	APEMA	2066	Bessey Tools North America	1351
Air Distribution Concepts, Inc.	4876	Apollo Valves, a Div. of Conbraco Industries, Inc.	5818	BestAirPro	6358
Air Flow Company, Inc.	2452	Appion Inc.	6369	Bidtracer Specialty Software Group LLC	3018
Air Movement and Control Association International, Inc. (AMCA International)	2928	appliance DESIGN Magazine	4350	Big AS Fans	2835
Air Products and Controls Inc.	3549	Appliance Magazine	5789	Bioclimatic Air Systems LLC	1631
Air Quality Engineering, Inc.	6215	Applied Filtration Technologies Inc.	1560	Bitzer Kuhlmaschinenbau GmbH	5925
AirAdvice, Inc.	5781	Applied Scientific Materials	6187	Bitzer North America, Inc. - Canada	5925
AirConcepts, Inc.	6532	Aprilaire	4823	Bitzer North America, Inc. - Mexico	5925
Air-Conditioning, Heating, and Refrigeration Institute (AHRI)	4310	APS Arosio / Modular Framing Systems	6310	Bitzer North America, Inc. - USA	5925
AirCraft HVAC Products, LLC	1131	APV, an SPX Brand	2441	Blissfield Manufacturing Co.	4961
Airdex Corporation	5713	Aqua Systems, Inc.	4015	Blue Diamond Pumps	1660
Air-Duct Manufacturing, Inc.	4783	Aquatherm CA Inc.	1157	Bluegrass Technology, Inc.	3016
Airedale	2535	Architectural Grille, Div. of Giumenta Corp.	1212	BNP Media	4350
Airflex Industrial Inc.	6271	ARCOM / MASTERSPEC Specifications	3027	BodorVENTS LLC	6185
Airia Bands Inc. - Nutech	6246	ArctiChill	4977	Boilerroom Equipment Inc.	2856
Airstar Technologies, L.L.C.	2828	ARES (A division of Mars Air Systems)	4046	Bonomi USA, Inc.	5691
AirMate	4383	ARGCO	5983	Bosch Water Heating	5044
Airrex USA	6632	Arkal Filtration	5277	Bradford White Water Heaters	2623
Aisercro Manufacturing Co., Inc.	6550	Arkema Inc.	4629	Bradleys Hermetics, Inc.	6756
Airstack	2256	Armaceil LLC	4255	Braeburn Systems, LLC	5155
Airtex Products Corp.	6535	Armstrong International, Inc.	2147	Brainerd Compressor, Inc.	4644
AirTest Technologies Inc.	3827	Armstrong Limited	6125	Bramec Corporation	4036
Airtherm - A Mestek Co.	TBD	ARTICCO, Inc.	6517	Brasch Manufacturing Co., Inc.	1963
Airxcel, Inc.	6122	Arzel Zoning Technology, Inc.	6368	Bray Controls	394
		ASCO Numatics	4710		
		Ashcroft Inc.	1332		
		ASHRAE Bookstore	4210		
		ASHRAE eLearning Systems	4219		
		ASHRAE Journal	4210		
		ASHRAE Research	4210		

FAST FACTS

Location:

McCormick Place, 2301 S. Lake Shore Drive, Chicago, IL 60616
Phone: 312-791-7000 • Website: www.mccormickplace.com

Show Hours:

Monday, January 26 10:00am - 6:00pm
Tuesday, January 27 10:00am - 6:00pm
Wednesday, January 28 10:00am - 4:00pm

On-site Registration:

Sunday, January 25 12:00pm - 5:00pm
Monday, Tuesday, Wednesday: Opens at 9:00am

Badges will be mailed if registration received by the December 19th deadline.

Allow four weeks for delivery. Badge holders will be available at the Exposition Hall.

Admission is limited to those professionals directly concerned with the HVAC&R industries.

No one under 16 admitted; persons 16-17 years old must be accompanied by an adult.



Please call (203) 221-9232 if you require special accessibility or accommodations.

Breidert Air Products, Division of Soler & Palau	4369	Chicago Clamp Company	6463
Brenntag Pacific, Inc.	2550	Chiller Solutions LLC	4015
Bright Solutions	1235	China Chamber of Commerce for Import and Export for Machinery and Electronic Products (CCCME)	TBD
Brimar Industries, Inc.	6254	China National Machinery & Equipment Import & Export Corporation / CMEC International Exhibition Co., Ltd.	TBD
Bronz-Glow Technologies, Inc.	2432	China Ningbo AUX Imp. & Exp. Co., Ltd.	1751
Browning/Emerson Power Transmission	4722	China Refrigeration and Air-Conditioning Industry Association (CRAA)	TBD
Bry-Air, Inc.	2939	Chinese Association of Refrigeration (CAR)	TBD
Bryan Donkin USA	5785	CHT Sp. z.o.o.	6650
Bryan Steam L.L.C. / Bryan Boilers	4162	Cimberio Valve Company Inc.	5795
BSRIA Ltd.	1054	Circul-Aire Inc.	5322
Buckaroos, Inc.	6179	Cixi City Jiasheng Electrical Appliance Co. Ltd.	TBD
Buderus / BBT North America Corp.	5044	Cixi Welday Plastic Product Co., Ltd.	5491
Buffalo Air Handling	1500	CLEANPAK International	1633, 2310
Builder's Best, Inc.	2616	Clearwater Systems Corporation	2950
Building Automation Products, Inc.	3950	Cleaver-Brooks, Inc.	1523
Building Design & Construction / RBL	2762	Cleveland Controls	6422
Building Operating Management	4857	Cleveland Tool & Machine, Inc.	1620
Burnham Hydronics	4664	ClimaCool Corp.	1810
Burr Oak Tool and Gauge Company, Inc.	4332	Climate Control Middle East	2941
Business Information Group	3013	Climate Technology Corp.	
BVA Oils, Inc.	6214	A Division of SUPCO	4222

C & D Valve	4568	Climatecraft, Inc.	1810
C O - Experts (Div. of G.E. Kerr Companies, Inc.)	6743	ClimateMaster, Inc.	1810
C.A.T.S. Software GmbH	3152	Climatizacão & Refrigeração	6766
C.I.M. Industries Inc.	1127	Cliphight Manufacturing Company	2531
Cain Manufacturing Co., Inc.	5714	CMP Corporation	4965
Calectro AB	3757	Cofimco USA, Inc.	1341
Caleffi Hydronic Solutions	4385	Collexpert U.S. LLC	2257
CALMAC Manufacturing Corporation	5617	Coleman Cable, Inc.	1957
CALORIE FLUOR	1649	Colmac Coil Manufacturing, Inc.	4553
Cambridge Resources	6257	Columbia Boiler Company	1126
Cambridge-Lee Industries, LLC	5810	Columbus Electric, Division of TPI Corporation	2210
Cameron Great Lakes, Inc.	6622	Columbus Industries, Inc.	6240
Camus Hydronics Limited	6415	Combustion Research Corp.	6729
Cannon Boiler Works Inc.	1030	Comefri USA, Incorporated	5177
Carel USA	6325	Commercializadora Ind. JFD SA de CV	1442
CAREL, S.p.A.	6224	Comfort Star	5289
Carlyle Compressor Co.	5217	Comfort-Aire Div., Heat Controller, Inc.	4510
Carnes Company, Inc.	5217	ComfortStat	3654
Carson Oldcastle	2729	Comitale National, Inc. (C.N.I.)	4177
C-B Energy Recovery	1523	Commercial Acoustics, A Division of Metal Form Mfg. Co.	4756
C-B Natcom	1523	Commercial Air Products	4881
C-B Nebraska Boiler	1523	Commercial Building Products	1032
C-B Package Boiler	1523	Commercial Products Group	4935
C-B Pro-Fire	1523	Composite Fan Technology	6616
CB&I (Chicago Bridge & Iron Company)	6413	CompuSource Corporation	3044
CCPIT Machinery Sub-Council	1436, 3723	Computer Limited	3054
CCSI Limited	3142	Computer Pundits Corp.	1352
CDC Products Corp.	1760	ComStar International Inc.	6013
Centline Corporation	1443	Concepts and Designs, Inc.	3774
Central Boiler / Central Fireplace	6754	Condor Products	6677
Central Fireplace	6754	Connect-Air International, Inc.	3559
Century Controls, Inc.	3646	Construction Helicopters	4073
Century Div., Heat Controller, Inc.	4510	Consulting-Specifying Engineer / Reed Business Information	2762
Cerro Flow Products, Inc.	1034	Contemporary Controls	3953
CertainTeed Corp. - Mechanical Insulation	6335	Continental Automated Buildings Association (CABA)	3855
CES Group, Inc.	1633, 2310	Continental Fan Manufacturing, Inc.	2600
Cesarini Technology Inc.	6381	Continental Industries, Inc.	4122
CGC Group Hybrid Heat Pump Systems	2852	Contracting Business Magazine	5710
Chamberlin Rubber Company, Inc.	5481	Contractor Magazine	5710
Channel Products, Inc.	6440		
Charles Austen Pumps Ltd.	1660		
Chemical Processing	4172		
Cheminee Lining, Inc.	5891		
Chemtrol Division, Santa Barbara Control Systems	3553		
Chevrolet, GM Fleet and Commercial	1200		

Control Products, Inc.	3929
Control Solutions, Inc.	3640
Control Techniques / Emerson Climate Technologies	4910
Controle de Contaminacao	6766
Cool Air International, Inc.	1666
Cool Water Technologies, LLC	5780
Coolgas, Inc.	6677
Cooper B-Line	1328
Cooper Tools	5979
Copeland Brand Products / Emerson Climate Technologies, Inc.	4910
COSMOGAS Heating Systems	TBD
Cozy / Louisville Tin & Stove Company	4053
CPS Products, Inc.	4110
Crane Pumps & Systems	2544
Creative Metals Div., Leader Industries, Inc.	5918
Cristal Controls Ltd.	3557
Critical Environment Technologies	3912
Crowcon Detection Instruments Ltd.	2526
Crowley Company / Multi-Wing America, Inc.	5122
Crown Boiler Co.	1847
CSA International	4454
Culimeta	6391
Custom Coils Inc.	6515

D	
Dadanco LLC - A Mestek Co.	TBD
Daikin AC (Americas), Inc.	5123
Daishin Industrial (U.S.A.) Co., Inc.	5580
Dall'Era Valerio s.n.c.	5515
Dampers Express	6688
DANFOSS DRIVES	5049
Danfoss Heating Division	5049
Danfoss Refrigeration & Air-Conditioning	5049
Danfoss Turbocor Compressors	5049
Danfoss, Inc.	5049
Data-Basics, Inc.	3126
Davidon Industries, Inc.	6391
Davis Business Solutions, Inc.	3047
Dayus Register & Grille, Inc.	6726
DCA (Dehumidifier Corporation of America)	6171
DCS Darby	3013
DDI Inc.	6353
DDR Americas, Inc.	5185
Dean Pump Division, Met-Pro Corp.	2741
Dectron Inc.	5322
Dectron Internationale Inc.	5322
DeDietrich Boilers	5184
Deeter Electronics, Inc.	3652
Deflecto Canada Ltd.	4750
Deflecto Corporation	4750
DEHON GROUP	3972
Delhi Industries Inc.	2247
Delphi	5285
Delta Control Products	3941
Delta Controls	3423
Delta Cooling Towers, Inc.	2546
Delta OHM S.r.l.	6387
DENT Instruments	3754
Des Champs Products - Munters	5022
Desert Aire Corp.	4269
Desiccant Rotors International	2228
Design Architectural Heating Inc.	6219
Design Polymers	6255
Design Services Network / Emerson Climate Technologies	4910
Detroit Radiant Products Co.	1320
Devco Enterprises	1510
Dexen Industries, Inc.	3657
Dianbo Machinery USA Corp.	1114
Diffusion Textil Integral SA de CV	4887
Diga S.A. de C.V.	1451
Digi-Cool Industries Ltd.	6746
Discount Refrigerants Inc.	6677
Discrete Wireless Inc.	3017
Distech Controls, Inc.	3436
Distribution Services / Emerson Climate Technologies	4910
Diversified Heat Transfer, Inc. (DHT)	1147
DiversiTech Corporation	1510
D-Mark, Inc.	6354
Dober	6385
Dodge Engineering & Controls, Inc.	3817
Domestic Pump	4322
Don Siiter & Associates, Inc.	6760
Dorin Compressor	4961
Dormont	5068
Dornback Furnace Div.	4023
Doucette Industries, Inc.	4753
Dow Chemical Heat Transfer Fluids	4527
Dow Mechanical Insulation Solutions	4527
Dowco Div., Safe-Air of Illinois, Inc.	1931
DRAABE	6542
Dri-Eaz	6544
DRI-STEEM Corporation	4432
DriTherm International Inc.	6160
DU-CO Ceramics Company	6514
Ductcap Products, Inc.	6674
Ductmate Industries, Inc.	5346
DuctSox Corporation	5389
Dunham-Bush, Inc.	5150
DuPont Filtration Solutions	4335
DuPont Refrigerants	4335
Duralast Products	4850
DuraSystems Barriers Inc.	6191
DuraTite Systems LLC	6673
Durkee (Wuhan) Insulation Material Co. Ltd.	5475
DurkeeSox (Shanghai) Air Dispersion System Co., Ltd.	5475
Duro Dyne Corp.	6200
DuroZone a division of Duro Dyne Corp.	6200
Dust Free, LP	5095

Dwyer Instruments, Inc.	4010
Dynaforce (A division of Mars Air Systems)	4046
Dyn-Air / Carlisle	4968
Dynamic Air Quality Solutions	1900
Dynatemp International, Inc.	4257

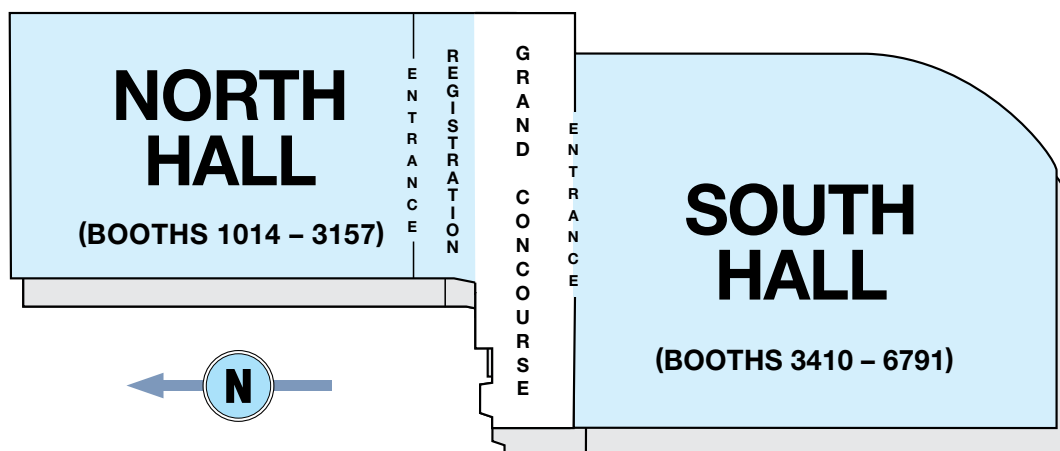
E	
E + E Elektronik Ges. m.b.H.	3915
E Instruments Group LLC	1723
EASCO Boiler Corp.	4877
East Coast CAD / CAM	3036
East International Exhibition Co., Ltd.	TBD
Easyflex	1149
Eaton Corporation	
Electrical Group	5355
Eaton-Williams Group Ltd.	1633, 2310
Ebac Industrial Products Inc.	1256
Ebara Fluid Handling	1831
ebm-papst Inc.	1824
EBTRON, Inc.	3649
ECCO Manufacturing	6383
ECI DDMS	6274
ECO Ceramics	6391
ecobee	6772
Ecofit s.a.	2046
ECOM America	6161
Econofrost / Promolux	6243
EcosAire Inc.	5322
Ecr	4562
EDC International, Inc.	6410
EdgeTech	3854
Educational Services / Emerson Climate Technologies	4910
Edwards Coils Corporation	4015
EGS / Easy Heat	4828
Elbi of America, Inc.	3976
Electrica s.r.l.	4455
Electro Industries, Inc.	6016
Electro Static Technology	3729
Electromode Division of Dimplex North America Ltd.	1140
Elgen Manufacturing	6791
Elite Software Development	3122
Elkhart Products Corporation	2910
Embassy Industries - A Mestek Co.	TBD
Embraco - Empresas Brasileira de Compressores S.A.	2153
Embraco Europe S.r.l.	2153
Embraco North America, Inc.	2153
EMCO Flow Systems	3944
Emerson Climate Technologies	4910
Control Techniques	
Copeland Brand Products / Emerson Climate Technologies, Inc.	
Design Services Network	
Distribution Services	
Educational Services	
Emerson Power Transmission	
Flow Controls Division	
Fusite	
HAC Motors	
Heating Products	
Industrial Motors	
Integrated Products	
Retail Solutions	
Therm-O-Disc	
Ventilation Products	
White-Rodgers	
Emerson Network Power - Liebert Corporation	5010
Emerson Power Transmission / Emerson Climate Technologies	4910
Emmett NA Inc.	1546
Empresas Mayer, S.A. de C.V.	5485
Enerac, Inc.	6359
Enerco Technical Products, Inc.	6522
Energate Inc.	6564
Energy Saver, A Division of Metal Form Mfg. Co.	4756
Energy Saving Products Ltd.	6069
ENERGY STAR®	3973
Energy Task Force	3029
Energy Transfer / MDE	2912
Enertech Manufacturing, LLC	4283
EnerWorks Solar Water Heating	2914
Engel Industries, A Mestek Company	4336
Engineered Software Inc.	3032
Engineered Systems Magazine	4350
EnOcean Inc.	3650
Enolgas Bonomi spa	3641
Envnt Resources	6735
ENVIRON	5488
Environmental Air Solutions, Inc.	1128
Environmental Design and Construction	4350
Envirosep Fluid & Heat Recovery Systems	5995
Erickson Air-Crane, Inc.	5489
ERICO Inc.	2632
ESAB Welding & Cutting	1861
ESPI-TECH LLC	4277
Essential Innovations	4155
Estimation, Inc. / Maxwell Systems, Inc.	3023
ETRI	2046
Eucania International Inc.	6158
Everhard Products, Inc.	6244
Everlite Hybrid Industries	5295
EWG Controls, Inc.	5335
Exhausto Inc.	1039
Exttech Instruments Corp.	2946
Extol of Ohio, Inc.	1249
EZ Barrier / Cubicles Plus	1129

F	
FabricAir, Inc.	6549
FAFCO, Inc.	2750
FanAm, Inc.	4083
Fans-Tech Electric Co., Ltd. / Pelonis Technologies	1559
Fantech Limited	5069
Fantech, Inc.	5069
Farnam Custom Products	1536
FASCO Motors	5610
FASSON / Avery Dennison	4357
Fast Heat Inc.	1536
FastCut CNC Inc.	4039
Faster Inc.	2443
FastEST, Inc.	3139
FENNER DRIVES	4677
Fenwal Controls	4362
Ferris State University	6129
FHP Manufacturing Company	5044
Fieldpiece Instruments, Inc.	6156
FieldServer Technologies	3653
FILT-AIR Ltd.	6774
Filtration Group / Filtrair	5800
Filtration Manufacturing, Inc.	1329
Fintube Technologies	5887
Firespray International Limited	6361
Fireye Inc.	4232
Five Two One, Inc.	4115
The Flagler Corp.	4215
Flame Gard, Inc.	6315
Flanders / Air Pure	4032
Flanders / Air Seal	4032
Flanders / CSC	4032
Flanders Corporation	4032
Flanders CSD	
Complete Service Division	4032
Flanders Filters, Inc.	4032
Flanders Surface Finishing Division	4032
Flex-Hose Company, Inc.	6525
Flexim Instruments LLC	3644
Flex-Weld, Inc. / Keflex™ Engineered Products	1118
FLIR Systems	2949
Flo Fab Inc.	6591
Flow Control Industries, Inc.	3554
Flow Controls Division / Emerson Climate Technologies	4910
FlowCon International	3535
Fluid Dynamics Solutions, Inc.	6417
Fluid Power Energy Inc.	1117
Fluke Corporation	2424
Forbes Marshall Pvt. Ltd.	3543
Formitt Metal Labs	2850
Fostoria Industries, Inc.	
Division of TPI Corporation	2210
Frame-Tec	6068
Friedrich Air Conditioning Co.	4669
FRIOCANAL	3972
FTL Finance	6765
Fuel Efficiency, LLC	6276
Fuel Oil News	4871
Fuji Electric Corp. of America	3550
Fujitsu General America, Inc.	1833
Full Gauge Controls, Ltd.	1732
The Fulton Companies	1556
Functional Devices, Inc.	3636
Furigas	5527
Furlong Industrial Systems, Inc.	5989
Fusite / Emerson Climate Technologies	TBD
Fuso Co., Ltd.	1130
G	
G&L Pumps	4322
GALCO - CLIMALIFE	3972
Galileo TP Inc. member of Galileo TP Process Equipment Group	6783
Garden City Ammonia Program	6687
Gary Jonas Computing Ltd.	3148
Gary Machinery, LLC	4181
Gary Metal Mfg. LLC	4181
Gasflux Company, The	4136
GASMASTER Industries Incorporated	5083
Gastite Division / Titeflex Corporation	1536
GD Midea Commercial Air Conditioning Equipment Co., Ltd.	5058

GE Consumer & Industrial	5916
GE® Standard Drives	5916
GE® Zoneline® Packed Terminal Air Conditioners	5916
GEA Ecoflex N.A.	6118
GEA Flateplate	6118
GEA PHE Systems N.A. Inc.	6118
Gems Sensors & Controls	4142
General Filters, Inc.	1642
General Tools & Instruments™	6741
General Treatment Products	6565
Genesis Air, Inc.	4072
Genesis International, Inc.	3638
Genesolv	5149
Genstar Technologies Company Inc. (GENTEC)	1247
GeoGlobal Partners	6364
Glasfloss Industries	1210
Globe Capacitors Limited	6283
GLOBUS	2066
GLV International Ltd.	6085
GM Fleet and Commercial Chevrolet GMC	1200
GMC, GM Fleet and Commercial	1200
Golden Dragon Copper	1629
Goodman Co., L.P. - Amana PTAC Sales	4323
Goodman Manufacturing Co., L.P.	4323
Goodway Technologies Corp.	4229
Gordon-Piatt Group / John Zink Co. LLC	4135
Goss, Inc.	4459
Goulds Pumps	4322
Governair Corporation	1633, 2310
GPS North America	2761
Graham Corporation	4655
Grasslin Controls / Intermatic, Inc.	3900
Gray Flex Systems, Inc.	6338
Gray Metal Products, Inc.	6338
GrayWolf Sensing Solutions	6173
Grease Master	6318
Gree Electric Appliances, Inc. of Zuhai	1532
Green Kitchen Designs	2731
Green Mechanical Council	6414
Greystone Energy Systems, Inc.	3659
Grinnell Mechanical Products - Tyco Fire Suppression & Building Products	2624
Gripnail Fastening Systems	4149
Gripplac Inc.	2660
Grundfos Pumps Corporation	5317
Gruner AG	3968
Guangdong Welling Motor Manufacturing Co., Ltd.	TBD
Guangzhou Know-How Industry & Equipment Co., Ltd.	6465
Guardian Electric Manufacturing Co.	1118
Guntner U.S. LLC	2257
Gustave Klauke GmbH	2842

H	
HAC Motors / Emerson Climate Technologies	4910
Haier America	2466
Hallowell International	4146
Hamlin Sheet Metal Company	6332
Handy & Harman of Canada, Ltd.	6527
Hansen Company	4581
Hansen Corporation	6468
Hardcast	4968
HARDI	1135
HARP International Ltd.	6432
Harris Products Group	4950
Hart & Cooley, Inc.	4935
Hartell Pumps / Milton Roy Americas / Sandycott	4450
Hauck Manufacturing	1435
Haydon Corporation	5376
Hays Cleveland	6422
Hays Fluid Controls	3622
Hazloc Heaters Inc.	1043
HCI (Hydronic Components, Inc.)	4855
Heat Controller, Inc. Century Div. Comfort-Aire Div.	4510
Heat Pipe Technology, Inc.	6263

Heat Transfer Products, Inc.	6568
Heat Wise, Inc.	5283
Heatco, Inc.	2832
Heatcraft Commercial Products	2236
Heatcraft OEM Products	2236
Heatex America	6272
Heat-fab	4383
Heating & Cooling Products Mfg. Co.	4576
Heating Products / Emerson Climate Technologies	4910
Heating, Refrigeration and Air Conditioning Institute of Canada (HRAI)	4428
Heat-Timer Corporation	3859
Hencolin International Corporation	3872
Henry Technologies, Inc.	1715
HEPA Corporation	6418
Hephzibah Co., Ltd.	6632
Heresite Protective Coatings, Inc.	6252
Hess Industries, Inc.	2850
Hetko Inc.	6787
HFC Enterprises	4556
Highside Chemicals, Inc.	6144
Hioki USA Corporation	2915
HISEER International / YMG Group	4688
Hoffman Controls Corp.	3836
Hoffman Specialty	4322
Hoffman	3964
O-H Water Technology	5896
Holyoke Fittings, Inc.	1121
Honeywell	5149
Honeywell - Genesis Series Cable	5149
Honeywell Analytics	3823
Honeywell International, GENETRON Refrigerants	5149
Hot Melt Technologies, Inc.	2942
Hot Water Products, Inc.	2815
Houghton Chemical Corporation	2457
Houston Roof Curbs	6665
Howe Precision Industrial Inc.	3853
HPAC Engineering Info-dex	5710
HPAC Engineering Magazine	5710
HPB Magazine (High Performance Building)	4210
Hubbell Building Automation, Inc.	3739
Hubbell Electric Heater Company, Inc.	6389
Hudson Technologies	6771
Humid-Aire Div.	4023
Humidity Source, LLC	4729
HUNTAIR, Inc.	1633, 2310
Huntsman Corporation	2550
Hurst Boiler & Welding Co., Inc.	1823
Husson, Inc.	6177
Hutchinson Tanker LTD.	5988
HVAC Excellence	6518
HVAC Insider Newspapers	4139
HVAC Solution Inc.	3114
HVACExpertise.com	3839
HVACR Business®	5988
HVACR Distribution Business	5710
Hydro Aluminum Precision Tubing - Ellay Enfield	2753
Hydro Delta Corporation	1300
Hydro-Balance Corp.	6320
Hydrolevel Company	1428
Hydrosil International Limited	4156
Hydrotherm - A Mestek Co.	TBD
Hyspan Precision Products, Inc.	4627
I	
IAPMO	6489
Ice Air, LLC	2056
Ice Energy	2917
Ice Kube Systems Ltd.	2954
ICM Controls Corporation	6138
ICMA Spa	1244
ICOR International, Inc.	2423
Ideal Tape Co., Inc.	2517
Idemitsu Lubricants America Corporation	5387
IES Ltd.	3041
Imogen Corporation	3030
Imperial Air Technologies Inc.	1657
Imperial Dampers & Louvers	1931
Imperial Manufacturing Group	1657
Imperial	4423
INCOTHERM	1461



Exhibitors in green indicate that they have "green products" displayed in their booth

20 Register online at: www.ahrexpo.com

REFCO Manufacturing Ltd.	6036
REFCO Manufacturing US Inc.	6036
Reflectix, Inc.	4983
RefPlus Inc.	5322
Refractory Specialties, Inc.	1935
Refricenter International.	1746
Refrigerant Services Inc.	6013
Refrigerating Specialties - Parker Hannifin	4223
Refrigeration Research, Inc.	6110
Refrigeration Technologies.	2714
Refron, Inc.	5369
RefTec International, Inc.	1820
Regin HVAC Products, Inc.	6410
REHAU Inc.	2536
Reliable Controls® Corporation	3600
REMS-WERK Christian Föll und Söhne GmbH & Co. KG	2944
RenewAir Energy Recovery Ventilators	1616
Retail Solutions / Emerson Climate Technologies	4910
Reversomold Manufacturing Ltd.	4777
REYMSA Cooling Towers, Inc.	5276
RGF Environmental Group, Inc.	1016
Richards-Zeta Building Intelligence, Inc.	3443
Riello Burners North America	5085
RIDGID.	5000
Rifeng Piping Systems	2840
Rinnai Corporation	1423
Ritchie Engineering Co., Yellow Jacket Div.	4315
Rite - Hite Corporation	5388
RITE Engineering & Mfg. Corp.	4681
Rizk Brothers Co. for Refrigeration Gas & Equipment	6758
Roberts-Gordon	2717
Robinair	2446
Robur Corporation	1724
Rockwood Swendeman	2635
Rocky Research	3954
Rosemex Lab-Vent.	4595
Rosemex Products, Inc.	4595
Rosenberg USA, Inc.	2046
Roseng-Ventilatoren	2046
Rossi HVAC Hardware	6579
Roth Industries, Inc.	6260
Roth Pump Co.	4019
ROTHENBERGER USA	4869
Rotobrush International LLC	6429
Roto-Die, Inc.	4550
Rotor Source, Inc.	2540
Rotronic Instrument Corp.	3857
Rovanco Piping Systems, Inc.	6149
Royal Service Air-Conditioning Corp. (U.S.A. / China)	5395
RSES / RSES Journal	4041
RSES eLearning	3722
RTC Solutions, Inc.	3955
Rub Inc.	1021
Rubber World Industries LLC	6419
Runtal North America, Inc.	6113
Rydlyme / Apex Engineering Products Corp.	2533

S

S.T. Johnson Company	4483
S-51	2843
Sachins Impex	5985
Safe-Air of Illinois, Inc.	1931
Sage Software, Inc.	3137
Saginaw Control & Engineering	3656
Saint-Gobain Advanced Ceramics Lauf GmbH	2317
Saint-Gobain Igniter Products	2317
Saint-Gobain Quartz USA	2317
Samsui Industrial Corporation	6379
Samsung A/C	1856
Samsung Compressor Direct	6288
Sansoar Engineering Sales, Inc.	6442
Sansuvex Technologies Inc.	4585
SANYO Commercial Solutions - HVAC Solutions	4376
SAPCO Advanced Ceramics	6152
Sauerermann NA Corp.	1656
Scarborough Corporation	3035
The Schebler Company	2270
Scot Pump Division - Ardco Corp.	1627
Sealed Unit Parts Co., Inc. (SUPCO)	4222
Seal-Tite, Inc.	4883
Sealmaster/Emerson Power Transmission	4722
Season	4277
SECO / WARWICK Corp.	2943
Secon Rubber & Plastics	6779
Security Chimneys International Ltd.	1050
Seibui Giken America	3774
Seibui Giken Co., Ltd.	3774
Seibui Giken DST, AB	3774
Seihko International, Inc.	1618
Selkirk Corporation	5400
Sensaphone	2930
Sensirion, Inc.	3532
Sentinel Performance Solutions Limited	2551
Seresco	4410
Service Automation, Inc.	3134
Service Compressor Parts, Inc.	4769
Seton Identification Products	1762
Setra Systems, Inc.	3910
SG America	3774
Shandong Dongyue Chemical Co., Ltd.	1567
Shanghai Sino AC International Trading Co., Ltd.	TBD
Shanghai Zhezhong Electric Co. Ltd.	6466
Shannon Enterprises of W.N.Y.	6164
Sharpe Valve	4577
Shaw Development, Inc.	4429
Sheet Metal Connectors, Inc.	4383

Sheet Metal Workers' International Association	3839
ShenZhen Allied Control System Company	3555
Shop Data Systems, Inc.	2656, 3053
Shurjoint Piping Products	6620
Shurtape Technologies LLC	4056
Siemens Building Technologies Inc., HVAC Products	5135
Siemens Energy & Automation, Inc.	5135
Siemens	5135
Sierra Fresh Air Systems - A Mestek Co.	TBD
Sierra Monitor Corporation	3653
SIGMA Corporation	6659
Sika USA Inc.	4789
SIME Boilers and Water Heaters	6585
Simon-Aire, Inc.	4981
Simpson Dura-Vent Co. Inc.	5366
Sino Resource Imp. & Exp. Co., Ltd.	6487
Sinochem Ningbo Ltd.	1734
Sinro Air-Conditioning Group Co., Ltd.	TBD
Sinus North America Mfg. Inc.	6630
Sit Flexible Hose Pvt. Ltd.	1152
SJE - Rhombus	6464
SK Brazing Co.	6529
SKL Aluminium Technologie	2170
Skullint Indoor Air Quality Products	4969
SKYISH (Zhongshan) Electromotor & Electrical Appliance Co., Ltd.	1654
Slant/Fin Corporation.	1630
Smartd Inc.	5091
Smart Controls, LLC.	3923
Smart Electric	5291
Smart Parts Division of Pneuline Controls Co.	1254
Smith Cast Iron Boilers - A Mestek Co.	TBD
Smith Filter Corporation	6256
SN Tech Inc.	1446
Snappy - A Division of Standex Air Distribution Products	4022
Snap-Rite Manufacturing	6338
Snips Magazine	4350
Sofame Technologies Inc.	2370
SOLAIRA - Inforesight Consumer Products Inc.	1623
Solar Panels Plus, LLC.	5791
Solar Research Div. of Refrigeration Research, Inc.	6110
SOLARHOT	2760
Solaranics Inc.	2510
Soler & Palau Canada	4369
Soler & Palau Mexico.	4369
Soler & Palau USA	4369
Soler & Palau Ventilation Group - North American Division	4369
Soleus International Inc. / Shanghai Hitachi Electrical Appliances Co., Ltd.	2410
Solidyne Corp.	3455
Solvay Fluorides Inc.	3977
Sondex, Inc. USA	6627
Sonic Torque	4577
Sonitac Inc. / Vortisand	5716
Sound Fighter Fans	4646
Sound Seal	1357
Southwark Metal Mfg. Co.	5614
Spacepak - A Mestek Co.	TBD
Space-Ray Infrared Heaters	1313
Sparks Technology, Inc.	6166
Spartan Peripheral Devices	3946
Specialty Ceramics, Inc.	1935
Specialty Chemical Company	1510
Specific Systems, Ltd.	3874
Spectronics Corporation	6222
Spectrum Sensors & Controls	3755
SpeedClean	6356
Spence Engineering Company, Inc.	2635
SPG USA Motors	6391
Spinco Metal Products, Inc.	4958
Spinfinity	4076
Spinmaker Industries, Inc.	1857
Spiral Duct Manufacturers Association (SPIDA)	2740
SPIRAL-HELIX, Inc.	1850
SPiRAmir® Alliance	4783
Spirax Sarco, Inc.	3944
Sporlan - Parker Hannifin	4323
Spruce Environmental Technologies, Inc.	6552
Spunstrand Inc.	6769
SPX Cooling Technologies, Inc.	2035
SPX Service Solutions.	2446
Promax	
ProVax	
Robinair	
TIF	
SRS Enterprises, Inc.	3132
SSI - Spence Strainers International.	2635
Staefa Control System	5135
Stamped Fittings, Inc.	1420
Standard Metal Products.	4383
Standard Refrigeration / Alfa Laval	4223
Standard Sheet Metal Machinery	1459
Standex Air Distribution Products	4022
Stanley VIRAX	1543
Star Pipe Products	6672
Steril-Aire, Inc.	1743
Sterling Commercial Hydronic Products - A Mestek Co.	TBD
Sterling HVAC Products - A Mestek Co.	TBD
Sterling Inc., Steam Control Products Div.	5477
Stik-II Products	5619
StockCap	6776
Streamlight, Inc.	6258
Suburban Mfg. Co., a Division of Airclix Inc.	6122

Summit Manufacturing	4881
Summit Residential Products	4881
Sumner Manufacturing Co., Inc.	5269
Suncourt, Inc.	4150
SunStar Heating Products, Inc.	1313
Suntherm Heating Products	4881
Super Radiator Coils	4129
Superior Manufacturing Div., Magnatech Corp.	4145
Superior Radiant Products Ltd.	6269
Superior Refrigeration Products	4650
Superior Signal Company, Inc.	2739
SuperVent	4383
Supply House Times	4350
Surfaceigniter LLC	5695
Sur-Seal	2816
Sustainable Facility	4350
Suzhou Huarui Thermal Control Co. Ltd.	TBD
SWEP North America	5725
System Sensor	3822
T	
T.B. Concept Inc.	6679
T.I. International Co., Ltd.	2759
TAAQ Machinery Co.	6668
TABB	3839
Taco, Inc.	6600, 6712
Taichan Gangyi Electrical Appliance Co., Ltd.	2552
Tagaki Industrial Co. USA, Inc.	6469
Tambe Metal Products, Inc.	4783
Tarrant Parts	4457
Tasseron Sensors Inc.	3956
TCS Basy Controls	3647
T-DRILL Industries, Inc.	4936
Teal Corporation	2944
Technflex, Inc.	5880
Technical Sales International, LLC	3056
Techtop Motors	5987
Tecosystemi S.p.A.	2512
TECO-Westinghouse Motor Company	3669
Tecumseh Compressor Group business unit of Tecumseh Products Company	5310
Tek-Air Systems Inc.	4259
TEKLEEN / Automatic Filters, Inc.	2814
Tekmar Control Systems Ltd.	3932
Telco Intercontinental Corporation	3541
TEMP-AIR®	1650
Tentrol, Inc.	1633, 2310
TEPLOMASH NPO	1466
Tepperware Computer Solutions	3150
TerraLUX LED Lighting Solutions	2916
Test Products International	2454
Testo, Inc.	1547
Texas Furnace, LLC / AllStyle Coil Co., LP	6340
Therma - Stor / Ultra - Aire	5991
Thermacor Process, L.P.	4452
Thermaflex	1536
Thermallo, Division of REFCO Manufacturing U.S. Inc.	6036
Thermal Ceramics	1253
Thermal Dynamics, Inc.	3040
Thermal Gas Systems, Inc.	4171
Thermal Hydronic Supply Ltd.	6585
Thermal Solutions Products, LLC	4564
Therm-All Inc.	1214
Thermo 2000 Inc.	6172
Thermo Manufacturing, Inc.	1110
Thermo-O-Disc, Inc. / Emerson Climate Technologies	4910
Thermodynamic Process Control	3852
Thermoguard California, Inc.	1646
Thermoguard	1646
Thermolec Ltd.	4676
Thermoplus Air	5322
Thermotion Corporation	1150
Third Coast Chemicals	2550
Thrush Co., Inc.	6736
Thybar Corporation	1664
Tier-Rack Corporation	1659
TIF Instruments	2446
Timberline	3137
Tin Knocker Sheet Metal Working Machinery	6668
TiSun LLC	4683
Titan Flow Control, Inc.	4972
TJ Longda Tools North America, LLC / Tianjin Longda Industry and Trade Development Co., Ltd.	5787
Tjernlund Products, Inc.	6210
TMB Publishing	2829
TOLCO™, a division of NIBCO Inc.	4049
Topflex Rubber Industry Co., Ltd.	4615
Topog-E Gasket Co.	6657
TOPP Portable Air	1621
TORMEC AG	2935
Toshiba International Corporation	6723
Tower Tech, Inc.	5172
Toxalert International, Inc.	4055
Toyotomi USA, Inc.	3871
TPI Corporation	2210
TracPipe, a division of OmegaFlex	5272
Trade Service	3031
Trane Commercial Systems	5110
Tranter, Inc.	1610
Trend Control Systems USA	3632
Trenton Refrigeration	5252
Trerice	4929
Triad Boiler Systems, Inc.	6115
Triall S.p.A.	6391
Triangle Engineering of Arkansas, Inc.	4646
Triangle Tube / Phase III Co., Inc.	6538
Triaticom Environmental Inc.	6446
Tricon Piping Systems, Inc.	5374
Tridan International, Inc.	6322

T

Tri-Dim Filter Corporation	5258
Tridium	3962
Trimble	2846
Trim-Lok, Inc.	1453
Troxler Corporation	5910
Trs Systems, Inc.	3844
Tru-Aire	6377
TruCut Incorporated	2751
Tru-Flex Metal Hose Corporation	1632
TRUMPF Inc.	1842
TSI Incorporated	1410
TST-STAG, S.A.	1227
TUMA	2066
Tunstall Corporation	4381
Turbo Air Inc.	2439
TurboRep	3046
Turbotec Products, Inc.	4159
TurboTorch, A Thermoayne Company Victor Equipment Company	1710
TUTCO, Inc.	1536
TVM Building Products	6629
Twin City Axial	2136
Twin City Fan Companies, Ltd.	2136
Twin City Fiber-Aire	2136
Twin City Hose, Inc.	5913
Twin City Ventco	2136
Tyco Fire Suppression & Building Products - Grinnell Mechanical Products	2624
Tyco Flow Control	3841
Tyco Thermal Controls	4027

UA / MSCA Mobile Classroom of Sustainable Technologies	3474
Ubukata Industries Co., Ltd.	5377
UEI	5250
UFO Isikla Isitma Sistemleri San.Tyc.Ltd.Sti	1156
Ultra-Sun	6769
Ultratech Industries, Inc.	6332
Ultravation, Inc.	2670
UltraViolet Devices, Inc. / UVDI	6166
Umicore AG & Co. KG	6083
Underwriters Laboratories Inc.	3969
UNICO Inc.	6250
UniControl Inc.	6422
Unifrax LLC	1142
Unilux Advanced Manufacturing, LLC	6355
Unisource Manufacturing Inc.	6715
United CoolAir Corporation	5076
Universal Hinge Corp.	6788
Universal Metal Hose	4627
Uniweld Products, Inc.	4923
Uponor	2824
Urecon Systems, Inc.	1432
USA Inc.	6079

Vac Systems International	2853
Vacuform	1935
Vaisala, Inc.	3722
Valley Tool & Design, Inc.	3943
Valve Solutions	3829
Valve Teck, Inc.	3715
Valvexport Inc.	3539
Vanguard Heating Products	1136
Van-Packer Co., Inc.	4559
Vapac Humidification	1633, 2310
Vapco Products Div., Garman Co., Inc.	2659
Vapor Power International	6018
Varcotronics, Inc.	1350
Varian, Inc.	6669
Vacuum Technologies	
VAW Systems Ltd.	2732
Vector Controls Ltd.	3768
Vehicle Tracking Solutions	3014
Velocity Plus	4277
Venmar CES, Inc.	1633, 2310
Vent Products Co., Inc.	1624
Vent-A-Fume / Vent-A-Kiln Corp.	1239
Ventaire	1651
Vent-A-Kiln Corp. / Vent-A-Fume	1239
Ventilation Products /	
Emerson Climate Technologies	TBD
Ventilation Systems JSC / VENTIS	6185
Ventrol Air Handling Systems, Inc.	1633, 2310
Venture Tape Australasia Pty. Ltd.	2142
Venture Tape Corp.	2142
Venture Tape Europe	2142
Veris Inc.	3922
Veris Industries	3759
Vertical Market Software	3020
Vibration Eliminator Co., Inc.	6163
Vicon Machinery LLC	2047
Viconics Electronics, Inc.	3762
Victaulic	4736
Victor Equipment Company / TurboTorch	1710
Viega LLC	2636
Viessmann Manufacturing	
Company (US) Inc.	5050
VIMCO (Vibration Management Corporation)	4074

Virginia - Parker Hannifin.....	4223
Vital Technologies, Inc.....	1452
VMC Group, The.....	4859
Vortisand.....	5716
Vostermans Ventilation, Inc.....	6154
Vulcan Radiator - A Mestek Co.....	TBD
VYKON.....	3418

V

W & F Manufacturing	5491
W. Neal Services (India) Pvt. Ltd.	6671
W.N. Best Combustion	2470
Wagner	1510
WaiWela (ETS)	1759
Ward Manufacturing	1123
WARE	2643
Warren Controls, Inc.	5255
Warren Manufacturing Co., Inc.	4132
Warren Technology	4132
Water Technology of Pensacola, Inc.	4443
Watson McDaniel Company	4929
Watt Stopper / Legrand	3719
Watts Radiant	5068
Watts Water Quality & Conditioning Products	5068
Watts Water Technologies, Inc.	5068
Wayne Combustion Systems	4757
WDCI	5346
WEBCO, Inc.	1633, 2310
Webster Engineering & Manufacturing Co., LLC	4168
Webstone Company, Inc.	6091
WEG Electric Motors and Drives	4481
Weil-McLain	2024
Weilong H&M Co., Ltd.	6287
Weishaupt Corporation	4377
Weiss Instruments, Inc.	6035
Wexler Glass Thermometer Corporation	6316
Wellington Drive Technologies US Inc.	6563
WenSoft	3118
Wenzhou Kangyu Electrical Co., Ltd.	TBD
Wessels Co.	4029
Westech Aerosol Corporation	6388
Westermeyer Industries Inc.	1219
The Whalen Company	4064
White-Rodgers / Emerson Climate Technologies	4910
Wholesaler, The	2829
WIKAI Instrument Corporation	5483
Williams Comfort Products	2023
Williamson - Thermoflo	4523
WILU USA LLC	2847
Thomas C. Wilson, Inc.	2720
Windgate Products Co., Inc.	5588
Windy City Wire Inc.	3949
Wine Cellar Services	6189
Wing Enterprises (Little Giant Ladder Systems)	2927
WingFan LP	1457
Winkler Technik GmbH	1766
Winters Instruments	3864
Wolverine Tube, Inc.	1629
Women in HVACR	1138
Wonderware	3753
Worgas Bruciatori s.r.l.	1238
Worgas, Inc.	1238
World Excel Company Limited	6566
World Magnetics / Design Flex Switches	5595
Worlomos Co. Ltd.	6181
Worthington Cylinder Corporation	5777
Wrightsoft Corporation	3024
WSA Engineered Systems, Inc.	4552

X. Y. Z

Xi'an Lianyi Rubber Components Co., Ltd.	TBD
Xiamen Elex Electronic Technology and Development Co., Ltd.	TBD
Xiangshan Hengyu Plastic Products Co., Ltd.	3974
Yantai Filters Inc.	6143
Yardney Water Filtration Systems	6216
Yaskawa Electric America, Inc.	3562
Yellow Jacket Div., Ritchie Engineering Co.	4315
YES Environment Technologies	3912
York - Shipley Global (Division of AEYS Technologies, LLC)	5036
Youngstown Equipment Co.	6642
Yueqing Asiann Electrical Co., Ltd.	TBD
Z-Flex U.S., Inc.	4652
Zhanjiang CNE Electricity Corporation	6360
Zhejiang DongFeng Refrigeration Components Co., Ltd.	TBD
Zhengzhou Chuenchang Instrument & Apparatus Co., Ltd.	3853
Ziehl-Abegg, Inc.	2331
ZigBee Alliance	1115
Zilmet S.p.A.	4879
ZONEFIRST	5910
Zurn Industries, Inc.	6176

Produced and managed by:

INTERNATIONAL EXPOSITION CO.

15 Franklin Street, Westport, CT 06880

Phone: (203) 221-9232 • Fax: (203) 221-9260 • E-mail: info@ahrexpo.com

While every effort has been made to ensure the accuracy of the information in this Show Preview, Show Management cannot be held responsible for errors or omissions.



Ashcroft, Inc.
Model GC55 High Differential Pressure Transmitter

Pressure Transmitter

Ashcroft, Inc.
Booth #1332

Primary Application(s): The Ashcroft® Model GC55 is a compact high differential pressure transmitter. Two welded stainless steel sensor accommodate wet or dry pressure media up to 300 psid. A 1-5Vdc or a three wire 4-20mA output signal connects the transmitter to external controls or data acquisition. Applications include filter monitoring, HVAC hydronic cooling and heating systems, and pump controls.

Key Feature(s): Ranges up to 300 psid; 2 welded polysilicon thin film sensors; stainless steel wetted parts; bright LED display; can be re-ranged; adjustable trip points for switching; user can select between the DP value and the line pressure readings from either sensor.

Key Benefit(s): Easy to install; easy to set up; also serves as a pressure switch; includes local pressure display as well as remote signal; provides stable pressure measurements needed for energy efficient variable speed systems.

Markets Served: Commercial, Institutional, Industrial

Ignition System

Channel Products, Inc.
Booth #6440

Primary Application(s): All gas burner ignition systems.

Key Feature(s): Low voltage; resists contamination; durable, fast and reliable ignition.

Key Benefit(s): Easy to retrofit to existing burners; durable; quiet; fast ignition.

Markets Served: Residential, Commercial, Industrial

Refrigerant Leak Detector

CPS Products, Inc.
Booth #4110

Primary Application(s): Detects leaks for all HFC, HCFC, CFC, SF6 gasses and blends including R410A.

Key Feature(s): Able to sense leaks as small as 0.1 oz. per year; features two LED readouts: one to indicate concentration and one to pinpoint the leak.

Key Benefit(s): Easy to use; one button operation; manufactured in the USA.

Markets Served: Residential, Commercial, Institutional, Industrial

Dew Point Transmitter/Switch

E+E Elektronik GmbH
Booth #3915

Primary Application(s): Used for monitoring compressed air systems, refrigerant dryers, absorption dryers, plastics dryers and high-voltage circuit breakers.

Key Feature(s): Measuring range: -80° to +60°C (-112° to 140°F) Td; pressure tight up to 100 bar (1450 psi); mountable by G1/2" ISO or a 1/2" NPT thread; both analog outputs are freely scalable and configurable; can be equipped with switching outputs.

Key Benefit(s): Auto-calibration feature specifically for these applications; designed dew point sensor element provides outstanding accuracy and very good long-term stability; housing rotatable 3600 for easy installation.

Markets Served: Commercial, Institutional, Industrial



ECOM America
J2KN-BTS Combustion Analyzer & Software

Combustion Analyzer and Software

ECOM America
Booth #6161

Primary Application(s): Boiler commissioning and service.

Key Feature(s): Complete boiler test system, data collection and report generation.

Key Benefit(s): Complete detailed service report with fuel cost/savings analysis.

Markets Served: Commercial, Institutional, Industrial

Clamp Meter

Extech Instruments Corp.
Booth #2946

Key Benefit(s): This test and measurement instrument is the only five-in-one clamp meter on the market to offer the versatile combination of 400 amp AC-DC clamp, oval type-K thermocouple inputs, non-contact voltage detector, infrared thermometer and advanced multimeter.

Markets Served: Residential, Commercial, Institutional, Industrial



Extech Instruments Corp.
EX600 Series 5-in-1
Clamp Meters

Pressure Controller

Full Gauge Controls, Ltd.
Booth #1732

Primary Application(s): The PCT 1600 Plus is a pressure controller featuring 16 outputs (double suction and discharge) for mounting racks.

Key Feature(s): The PCT 1600 Plus includes Sitrad® connection (remote management of installations); 3 pressures transducers (control) and 3 temperatures sensors (safety); 6 configurable digital inputs; 3 operation modes for the compressors (sequential, according to capacity, and rotative output actuation according to operation time).

Key Benefit(s): It enables you to configure night and day setpoints, allowing a great energy saving.

Markets Served: Residential, Commercial, Industrial

Combustible Gas Detector

General Tools and Instruments™
Booth #6741

Primary Application(s): Detects combustible gas or vapors to pinpoint leaks; verify the safety of potential hazardous locations; check gas lines, pipes, propane gas refill stations, liquid or gas fired heating systems, and manholes for safety.

Key Feature(s): Highly sensitive with quick response; detects a wide range of gas or vapors including methane, natural gases, coal gases, hexane, propane, ethane, butane, hydrogen, gasoline, industrial solvent, lacquer, refrigerant, sulfur dioxide, sulfured hydrogen, acetic acid, etc.; audible and visual indicators; rapid auto warm-up; adjustable sensitivity; flexible probe.

Key Benefit(s): High sensitivity ensures detection of gas or vapors as low as 5ppm (gasoline); capable of detecting a wide range of gases and vapors; instantaneous response time provides maximum efficiency; adjustable sensitivity gives user greater control over detection levels.

Markets Served: Residential, Commercial, Institutional, Industrial

GREEN PRODUCT

IAQ Meter

GrayWolf Sensing Solutions
Booth #6173

Primary Application(s): Optimizes the balance between energy savings and occupant health/productivity.

Key Feature(s): Accurate, rapid response sensors; efficient documentation of conditions via text notes, photos, audio notes, videos and more.

Key Benefit(s): Easy to use with highly intuitive user interface, on-board video help, sensor guidelines, measurement tips and more.

Markets Served: Residential, Commercial, Institutional, Industrial

Vacuum Gauge

INFICON
Booth #5722

Primary Application(s): INFICON announces an enhanced digital vacuum gauge using proven Pirani sensor technology for greater accuracy in the evacuation of air conditioning or refrigeration systems. The Pilot Plus® Digital Vacuum Gauge measures throughout the entire evacuation process from atmosphere down to 1 micron, so a leak is visible immediately.

Key Feature(s): The filter protects the Pilot Plus® sensor from oil and other contaminants for more accurate readings and saves the operator from having to clean the sensor. Quick calibration allows the worker to adjust for slight variations in pressure for the specific geographic location to ensure greater accuracy. Extended battery life gives up to 45 hours for greater jobsite productivity.

Markets Served: Residential, Commercial

Temperature Control Thermostat

JUMO Process Control, Inc.
Booth #3819

Primary Application(s): Control- and high-limit thermostats for commercial boilers, agricultural and livestock HVAC; for any industrial temperature control requiring enclosed housings.

Key Feature(s): Standard temperature compensation; true failsafe design of high- limits; push-in wire connection technology; UL and CE approved.

Key Benefit(s): Cost savings through reduced installation time; direct switching 16A/230V; efficient and accurate control; modern design enhances customer's product.

Markets Served: Commercial, Industrial

Multi-Function Thermal Anemometer

Kanomax USA, Inc.
Booth #4169

Primary Application(s): Precision airflow monitoring for manufacturing and R&D; NIST airflow reference standard; laboratory monitoring (laminar, bio-safety cabinets, fume hoods); facility ventilation and environmental measurements; HVAC balancing and efficiency testing; airflow and static pressure duct measurements.

Key Feature(s): 5 swappable probes provide multi-function capability; real-time monitoring to PC via RS232 output; get spare probes for zero downtime during calibration; datalog up to 1,500 individual measurements; adjustable sample rate from 1-10 sec.; average, minimum and maximum calculations.

Key Benefit(s): Smart Probe Technology (only the probe is required for NIST calibrations); accurate and repeatable hot-wire anemometer; well-designed software allows users instant data access.

Markets Served: Residential, Commercial, Institutional, Industrial

Switch

MPL
Booth #2658

Primary Application(s): MPL 500 Series Switches offer reliable, long-life pressure, vacuum and differential pressure switching in a one-inch-square embodiment.

Key Feature(s): Ultra-low settings, robust design, miniature size and low cost make the MPL 500 series ideal for air flow detection, filter loading, fan monitoring and many other sensing and control applications.

Markets Served: Residential, Commercial, Institutional, Industrial

Photo-acoustic Infrared Refrigerant Gas Monitors

MSA
Booth #3717

Primary Application(s): Provides fast, reliable detection of low-level refrigerant leaks.

Key Feature(s): Uses advanced photo-acoustic infrared (PIR) technology.

Key Benefit(s): Operates for months with virtually no zero drift; highly stable; has high immunity to solvents and is minimally affected by changes in humidity, both of which are typical sources of false alarms for other technologies.

Markets Served: Commercial, Institutional, Industrial



Pacer Instruments, Inc.
DA400 Rotating Vane Anemometer

Rotating Vane Anemometer

Pacer Instruments, Inc.
Booth #6150

Primary Application(s): The DA400 rotating vane anemometer offers ultra-low air velocity, a high accuracy metal vane probe, expandable options, and a user-friendly interface. Applications include air measurements for process control, IAQ, clean rooms, and HVAC.

Key Feature(s): Industrial grade design; analog output and communication options; user friendly interface.

Key Benefit(s): High accuracy readings; low flow performance; future-proof options; easy to use.

Markets Served: Commercial, Institutional, Industrial

Calibration Toolkit for Pneumatic Controls

Pneuline Controls Co.
Booth #1254

Primary Application(s): The PCL500 universal pneumatic calibration kit helps maintenance mechanics and service contractors solve calibration problems for Barber-Colman, Robertshaw, Honeywell, Johnson Controls and Powers pneumatic controls.

Key Feature(s): The kit includes calibration wrenches and adjusting tools for all major brands; baumanometer air bulb and pressure reducing valve; calibration gauges and thermometer; starter kit of adapters, fittings and tubing; temperature transmitter chart; durable molded toolbox with divided trays and extra storage space; universal receiver/controller slide rule calculator.

Markets Served: Commercial

Boiler Controller

Preferred Utilities Manufacturing Corporation
Booth #2470

Primary Application(s): The BurnerMate Universal 2 is an economical microprocessor-based controller designed specifically for watertube boiler applications.

Key Feature(s): It incorporates all the common functions of a PLC-based boiler control system, including advanced flame safeguard control; fully metered combustion control with oxygen compensation; high torque servos (up to 720 ft-lb) to drive large FD fan dampers; large 10" color touchscreen with pre-programmed graphics pages

Key Benefit(s): The BurnerMate Universal 2 is available off-the-shelf for immediate delivery, requires no programming, and is U.L. approved.

Markets Served: Commercial, Institutional, Industrial

Humidity and Temperature Sensor

Rotronic Instrument Corporation
Booth #3857

Primary Application(s): Measurement of humidity and temperature in a broad spectrum of applications including commercial and industrial HVAC.

Key Feature(s): Unmatched system accuracy of up to $\pm 0.8\%RH$ and $\pm 0.10C$; on-board sensor diagnostics and self correction; integrated into all new products from Rotronic.

Key Benefit(s): High reliability of humidity and temperature measurements with reduced or eliminated maintenance costs.

Markets Served: Commercial, Institutional, Industrial



Rotronic Instrument Corporation
HygroClip 2 Humidity and Temperature Sensor

Thermal Gas
Systems, Inc.
Parkguard Wireless
Controller and
Sensor/Transmitters



GREEN PRODUCT

CO Detection and Ventilation Control

Thermal Gas Systems, Inc.
Booth #4171

Primary Application(s): Single or multi-level, enclosed, vehicular structures.

Key Feature(s): Reliable, self-healing, wireless mesh network provides routing redundancy between sensors and controller. This multi-zone, multi-sensor system utilizes electro-chemical gas detection; and has a long-lived, plug-in, battery/sensor cartridge.

Key Benefit(s): Immediate savings with wireless installation; reduced energy cost compared to continuous ventilation of enclosed areas; simple to maintain; factory direct support.

Markets Served: Commercial, Institutional, Industrial

GREEN PRODUCT

Carbon Monoxide/ Nitrogen Dioxide Monitor

Toxalert International, Inc.
Booth #4055

Primary Application(s): CO/NO₂ monitor for enclosed parking garages, fire departments and other vehicle emission applications.

Key Feature(s): Combination CO and NO₂ stand alone monitor for controlling ventilation and alarming.

Key Benefit(s): Compact unit for easy installation; local representation and direct factory engineering support.

Markets Served: Commercial, Institutional, Industrial

Thermometer (RTD)

Terice
Booth #4929

Primary Application(s): The Bimetal Plus has all the standard features of the Terice Bimetal Thermometer, but with a "Plus" – an internally mounted thermocouple or RTD.

Key Feature(s): The "Plus" allows for remote temperature monitoring while still providing local indication.

Key Benefit(s): This dual sensor design eliminates the need for additional instrumentation or connections when designing a system to include both mechanical and electronic temperature sensing.

Markets Served: Commercial, Institutional, Industrial

Humidity and Temperature Transmitter

Vaisala, Inc.
Booth #3722

Primary Application(s): Demanding applications that require stable measurement and flexible installation.

Key Feature(s): New communication options LAN and WLAN now available.

Key Benefit(s): Options such as built-in datalogger, alarm relays, analog and serial output; direct factory support, online sales and technical support.

Markets Served: Commercial, Institutional, Industrial



Vaisala, Inc.
Vaisala HUMICAP® Humidity and Temperature Transmitter Series HMT 330

Low Pressure DP Gauge

WIKA Instrument Corporation
Booth #5483

Primary Application(s): Mechanical differential pressure gauge for HVAC, air handling, dust collection and environmental control systems.

Key Feature(s): Extremely easy to install without the need for tools (over 50% time savings compared to conventional instruments). The two-part system separates the measuring system from case components. The modular design is interchangeable for mechanical and electronic output versions

Markets Served: Commercial, Institutional, Industrial



WIKA Instrument Corporation
air2guideP&E + E
Low Pressure DP Gauge

Thermometer (Solar Digital)

Winters Instruments
Booth #3864

Primary Application(s): New construction, plumbing, water lines, boilers, ventilation, refrigeration.

Key Feature(s): Rugged aluminum; adjustable angle stem; $\pm 1\%$ accuracy; NEMA's rating.

Key Benefit(s): Comes with separate thermowell for easy thermometer removal without system shutdown; low light compatible (16 lux) for installation in low light areas.

Markets Served: Commercial, Institutional, Industrial

GREEN PRODUCT

Gas Detection System

Acme Engineering Products, Inc.
Booth #3952

Primary Application(s): Ventilation control and IAQ monitoring in underground parking garages and other enclosed vehicular facilities.

Key Feature(s): Huge capacity up to 256 detection points; ability to mix wired and wireless detectors on same panel.

Key Benefit(s): Reduced installation costs; wireless, simple operator interface using 15" LCD screen keyboard and mouse.

Markets Served: Residential, Commercial, Institutional

GREEN PRODUCT

Coil Cleaner

Atlantic Chemical & Equipment Company
Booth #1450

Primary Application(s): ACE EcoKleen (EKC-1) is the industry's first environmentally-friendly coil cleaner to be recognized for safer chemistry under the EPA's Design for the Environment program.

Key Feature(s): Neutral pH; great degreaser; sewer system safe; contains no hazardous ingredients; can be used on built-up roofs, etc., where acid/high pH cleaners may cause damage if proper housekeeping processes are not followed.

Key Benefit(s): Ideal for kitchens/restaurants, schools, nursing homes, hospitals, and IAQ programs.

Markets Served: Institutional

GREEN PRODUCT

Steam Dispersion Panel

DRI-STEEM Corporation
Booth #4432

Primary Application(s): Hospitals, pharmaceutical and semiconductor manufacturing, artifact preservation, etc., in large or small buildings with steam boilers or on campuses with central steam plants.

Key Feature(s): PVDF-insulated dispersion tubes to keep outside surface cool; calibrated tubelets to disperse the driest and hottest steam; integral heat exchanger to vaporize and pressurize condensate; ships pre-assembled.

Key Benefit(s): Energy savings up to 85%; guaranteed short absorption; pressurized condensate return without additional pumps, valves or controls; easy installation.

Markets Served: Commercial, Institutional, Industrial



DRI-STEEM Corporation
Ultra-sorb XV Steam Dispersion Panel



Fantech, Inc.
RTW Series Energy Recovery Ventilator

GREEN PRODUCT

Rooftop Energy Recovery Ventilator

Fantech, Inc.
Booth #5069

Primary Application(s): Fantech's RTW series rooftop energy recovery ventilators are engineered for low energy consumption and high efficiency in industrial, institutional and commercial applications.

Key Feature(s): All models meet ASHRAE Standard 62.1 requirements. Add one to your next project for LEED credits.

Key Benefit(s): Standard double wall construction; maintenance-free ebm motorized impellers; ARI Certified total energy wheel and 880-6000 CFM of air movement.

Markets Served: Commercial, Institutional, Industrial

GREEN PRODUCT

Bipolar Ion Generator

FILT-AIR, Ltd.
Booth #6774

Primary Application(s): A bipolar ion generation unit designed for integration with OEM airflow equipment.

Key Feature(s): Unit is integrate-able with various types of applications including air conditioners, air purifiers, humidifiers and others.

Key Benefit(s): Stabilized ion level and diagnostic output; neglect able ozone level (patented); low cost solution for ion level restoration in an indoor closed environment.

Markets Served: Residential, Commercial



GREEN PRODUCT

Air Filter

Filtration Group Inc.
Booth #5800

Primary Application(s): Combination high efficiency particulate and gas-phase filter for use in commercial and industrial applications.

Key Feature(s): Separate particulate and HEGA gas-phase filter media packs; available in plastic and galvanized steel single header and box style frame models.

Key Benefit(s): Can be customized to remove virtually any contaminant; clean and easy to maintain.

Markets Served: Commercial, Institutional, Industrial



Filtration Group Inc.
HEGA Dual-Pak Air Filter

GREEN PRODUCT

Air Purification IAQ

Genesis International, Inc.
Booth #3638

Primary Application(s): The standard populated catalyst panel is used to reduce the levels of volatile organic compound and viable airborne contaminants in airstreams.

Key Feature(s): The PCP standard is a "scalable" technology; it may be engineered for any size air stream.

Key Benefit(s): All Genesis air products incorporate 3-step GAP technology: Merv filtration, UV GI lamps and photocatalysis.

Markets Served: Residential, Commercial, Institutional, Industrial

Humidification System

Husson, Inc.
Booth #6177

Primary Application(s): Multi-zone industrial.

Key Feature(s): Humidification units hang at lighting level. Fine mist distributes horizontally, avoiding wetting.

Key Benefit(s): Very consistent control with low maintenance and utility usage; no compressed air.

Markets Served: Industrial

Husson, Inc.
ML Humidification System

GREEN PRODUCT

Indoor Air Quality Monitor

KD Engineering Inc.
Booth #1353

Primary Application(s): Used in residential and light commercial building to wirelessly monitor indoor air quality.

Key Feature(s): Wirelessly uploads data to a website where it is accessible via a web browser from anywhere.

Key Benefit(s): Proactive IAQ monitoring; wireless access.

Markets Served: Residential, Commercial

GREEN PRODUCT

High Efficiency Air Filter

Koch Filter Corporation
Booth #5816

Primary Application(s): Hospitals, commercial office buildings, schools, industrial facilities.

Key Feature(s): MERV 13 efficiency; low resistance to air flow; moisture-resistant beverage board frame is made in part with recycled materials.

Key Benefit(s): The Multi-Pleat Green 13 (MERV 13) is designed to meet the air filtration efficiency criteria necessary to earn points toward Leadership in Energy and Environmental Design (LEED) Certification in the U.S. Green Building Council's LEED Green Building Rating System. Low pressure drop means reduced energy costs. Moisture-resistant beverage board frame will not warp or tear in high moisture conditions.

Markets Served: Residential, Commercial, Institutional, Industrial

GREEN PRODUCT

Wrap-Around Plate Dehumidifying and Heating Coil

MSP® Technology
Booth #5195

Primary Application(s): Makeup air, dehumidification and heating for hotels, public housing, swimming pools, industrial, institutional, etc.

Key Feature(s): Wrap-around small-plate design is compact and available to the OEM and as a complete air handling unit.

Key Benefit(s): Unit delivers superior dehumidification efficiency, with low pressure drop and guaranteed performance. It is suitable for use with chilled water. Hot water freeze protection is provided.

Markets Served: Residential, Commercial, Institutional, Industrial



MSP® Technology
MSP Dehumidifying and Heating Coil

GREEN PRODUCT

Packaged Energy Recovery Ventilators & Desiccant Dehumidifier

Munters Corporation
Booth #5222

Primary Application(s): Dedicated outdoor air unit for commercial applications (e.g., school, office building, and retail).

Key Feature(s): Delivers low dew point, energy recovery, make-up air; avoids cool-reheat; sizes range from 2,000-16,000 CFM.

Key Benefit(s): Energy efficient; dry healthy ductwork; increase cooling COP.

Markets Served: Commercial, Institutional

Controller

PURE Humidifier Company
Booth #6450

Primary Application(s): Used to control our steam heat exchanger, electric, and gas-fired humidifiers in industrial/commercial settings; can now be used with Modbus, LonTalk and BACnet communications.

Key Feature(s): New SCRmod control; more auto-drain settings; additional safety features.

Key Benefit(s): Simple programming; adjustable input filter to smooth-out a noisy input signal.

Markets Served: Commercial, Industrial



PURE Humidifier Company
INTAC® Microprocessor Controller

GREEN PRODUCT

Ventilation Fan

RenewAire LLC
Booth #1616

Primary Application(s): Small, point source ventilation.

Key Feature(s): Professional quality ventilation fans available exclusively through HVAC distribution; 50/80/110/150 CFM models.

Key Benefit(s): Highly energy efficient line of ventilation fans.

Markets Served: Residential, Commercial, Institutional

GREEN PRODUCT

Ultraviolet Coil Cleaner

Sanuvox Technologies Inc.
Booth #4585

Primary Application(s): Residential UV light designed to destroy mold and other microbial growth on the evaporator coil while improving energy efficiency.

Key Feature(s): 3" backlit blue LCD display provides real-time system status; unit ships with a second free UV lamp for the contractor to sell or use as a selling tool.

Key Benefit(s): Simple and easy to install, providing additional revenue from the included free second UV lamp; direct factory support from local Sanuvox sales managers.

Markets Served: Residential

Sanuvox Technologies Inc.
Saber Smart UV Purifier



Magnetic Flow Sensor

Sika USA, Inc.
Booth #4789

Key Feature(s): No moving parts - no wear; free pipe cross section - no additional pressure loss; resistant to soiled liquids; service free.

Key Benefit(s): Changes to the temperature, density or viscosity of the medium do not affect the output signal; cost effective.

Markets Served: Commercial, Institutional, Industrial

GREEN PRODUCT

Moisture Control and Soil Gas Extraction Fan

Spruce Environmental Technologies, Inc.
Booth #6552

Primary Application(s): Residential subslab ventilation.

Key Feature(s): Thermoplastic housing; corrosion resistant; specifically designed for subslab ventilation for moisture control and soil gas extraction; rated for internal and external use; Energy Star, HVI, ETL.

Key Benefit(s): Quiet, continuous operation; factory direct support; technical support.

Markets Served: Residential



RenewAire LLC
V-Series Ventilation Fan

GREEN PRODUCT

Room Air Purifier

Steril-Aire, Inc.
Booth #1743

Primary Application(s): Residences, offices, waiting rooms, schools, day care and senior facilities, and hotel rooms.

Key Feature(s): Innovative three-stage air cleaning process incorporates a UVC Emitter™, high efficiency air filter and long-life carbon filter to remove indoor air pollutants.

Key Benefit(s): Cleans up to 1,000 sq. ft.; eliminates infectious organisms more successfully than air purifiers without UV lamps; three-state air cleaning unit is easily replaced after one year.

Markets Served: Residential, Commercial, Institutional



Ultra-Sun Technologies, Inc.
Sun-Pure SP-150 Green Series Air Purifiers

GREEN PRODUCT

Induct Catalytic Air Purifier

Ultra-Sun Technologies, Inc.
Booth #6769

Primary Application(s): Introducing the new, patented, lightweight 23 lb. SP-150GS Green Series in-duct catalytic/UV air purifier with new super-quick service and installation features.

Key Feature(s): A standard MERV-11 filter is included, or available with a MER-13 filter for LEED's Certified Projects.

Key Benefit(s): Provides total indoor air purification for residential, medical, commercial and industrial applications.

Markets Served: Residential, Commercial, Institutional, Industrial

GREEN PRODUCT

Self Cleaning Water Filter

TEKLEEN /Automatic Filters, Inc.
Booth #2814

Primary Application(s): Tekleen® filters will save you money that is spent every day in the labor of cleaning and replacing screens, bags and cartridges.

Key Feature(s): The Tekrinse® new screen cleaning technology will save you up to 90% of the rinse water. It is ideal for cooling towers, chillers, spray nozzles protection, condensers and drinking water applications.

Markets Served: Industrial



TEKLEEN / Automatic
Filters, Inc.
TEKLEEN® Self
Cleaning Water Filter

Air Filter

Triatomic Environmental Inc.
Booth #6446

Primary Application(s): Whole house air filtration unit with germicidal ultraviolet light.

Key Feature(s): Matches OEM equipment sizes and color.

Key Benefit(s): Filtration, sterilization, odor control in one unit.

Markets Served: Residential

GREEN PRODUCT

Air Filter

Tri-Dim Filter Corporation
Booth #5258

Primary Application(s): HVAC systems with need for high efficiency filtration.

Key Feature(s): Internal prefilter; high efficiency; green.

Key Benefit(s): Easy to change prefilter; reduced freight and storage costs; lower energy cost.

Markets Served: Commercial, Institutional, Industrial

Split System Dehumidifier

Vital Technologies, Inc.
Booth #1452

Primary Application(s): The DryMAX split system dehumidifiers feature ducted and ductless air handler options, coated coils, touch screen combination thermostat-humidistat, and pre-charged quick-connect line sets for ease of installation without gauges or special tools.

Key Feature(s): The patent-pending control strategy provides dehumidification in heating, cooling and neutral air modes. Units are applied singly or in multiples for retrofit or new construction of residential and commercial pool applications, hospitals, hydrotherapy, health clubs, laboratories, and similar spaces in need of precise humidity control.

Markets Served: Residential, Commercial, Institutional



Vital Technologies, Inc.
DryMAX Split System Dehumidifier

GREEN PRODUCT

Solar Water Heater

Caleffi Hydronic Solutions
Booth #4385

Primary Application(s): Pre-engineered and packaged residential solar water heating system.

Key Feature(s): Ranges from a one-panel system (one to two person household) to three panels (for to six person household); contains all hardware including storage and expansion tanks, plumbing and solar fluid.

Key Benefit(s): Simplified selection and warranted installation by authorized independent contractor.

Markets Served: Residential



Caleffi Hydronic Solutions
Packaged Solar Water Heater Kit

GREEN PRODUCT

Water-Source Heat Pump

Colmac Coil Manufacturing, Inc.
Booth #4553

Primary Application(s): Colmac Industries introduces the "Third Generation" line of water-source heat pumps for commercial and industrial uses of potable hot water. The energy efficient HPW heats water up to 1600F by gathering heat from a warm water source, and through the refrigeration cycle, deposits the heat into potable water at a useable temperature.

Key Feature(s): Highest C.O.P.s available.

Key Benefit(s): Heat pump water heaters conserve energy.

Markets Served: Commercial, Institutional, Industrial



Colmac Coil
Manufacturing, Inc.
HPW Water-Source
Heat Pump



Cristal Controls Ltd.
CCLP BACnet Relay Panel

GREEN PRODUCT

Low Voltage Lighting Control System

Cristal Controls Ltd.
Booth #3557

Primary Application(s): Ideal for 5,000 sq. ft. and more buildings; ensures fixtures are off when building is unoccupied; remotely accessible; works with any motion sensors; BACnet and Lonworks compatible.

Key Feature(s): Lighting control solutions for small or large scale projects; from 8-relay panels to complex networks connecting hundreds of panels and thousands of relays.

Key Benefit(s): Cuts lighting bill by 50%; remote control with a PC; control solution for new or existing buildings; preassembled for fast and easy installation.

Markets Served: Commercial, Institutional, Industrial



Desert Aire Corporation
Q-Pump™ DOAS, Water-Source,
Non-Reversing Heat Pump

Geo-Thermal Heat Pump

Desert Aire Corporation
Booth #4269

Primary Application(s): Desert Aire's water-source, non-reversing Q-Pump™ heat pump transfers energy so efficiently that facilities can expect up to 50% savings on their heating and cooling bills with respect to the DOAS unit. This efficiency also contributes to valuable LEED points as established by the United States Green Building Council (USGBC).

Markets Served: Commercial, Institutional, Industrial



EnerWorks Solar Water Heating
Thermal Energy Controller & Monitor

GREEN PRODUCT

Energy Controller/Monitor

EnerWorks Solar Water Heating
Booth #2914

Primary Application(s): Light commercial and residential applications.

Key Feature(s): The controller optimizes performance of the solar water heating appliance. Wireless and portable, the included monitor communicates with the controller, enabling users to view system performance anywhere in the building.

Key Benefit(s): Displays include daily, monthly, annual and lifetime dollar savings, energy produced and reduction in emissions.

Markets Served: Residential, Commercial



Grease Master
Energy Management System (EMS)

GREEN PRODUCT

Energy Management System

Grease Master
Booth #6318

Primary Application(s): The ETL listed Energy Management System is designed to automatically reduce exhaust and supply airflow quantities while completely capturing and containing heat and smoke generated by cooking appliances. Exhaust and supply fans modulate between factory set low speed while the appliances are idling, and high speed.

Key Feature(s): Full capture and containment of heat loads while reducing energy costs; 20% reduction in fan speed equates to 48% reduction in fan energy costs; 100% airflow override button with a fully adjustable timer; adjustable set-points.

Key Benefit(s): Low maintenance – monthly temperature probe cleaning only; meets the requirements of IMC 507.2.1.1, which require exhaust fans to activate when cooking appliances are energized; installed in exhaust hood utility cabinet and can be factory wired; panel also can be wall mounted.

Markets Served: Commercial

Packaged Pressure Boosting System

Grundfos Pumps Corporation
Booth #5317

Primary Application(s): The Grundfos BoosterpaQ® Hydro MPC is a packaged system with integrated variable speed control and is often used in multi-story buildings, industry and for irrigation.

Key Feature(s): Vast potential for energy savings, user-friendly software, compact footprint, pre-tested, all-in-one system



Grundfos Pumps
Corporation
BoosterpaQ® Hydro
MPC System

with variable speed control.

Key Benefit(s): Quiet, efficient, powerful – with its own support team. Software allows user to monitor performance and energy usage. Software comes with its own installation wizard.

Markets Served: Commercial, Institutional, Industrial

GREEN PRODUCT

Geothermal Package Heat Pump

Heat Controller, Inc.
Booth #4510

Primary Application(s): Residential and light commercial applications, both open loop and closed loop, 2 to 5 tons.

Key Feature(s): Two-stage operation; R-410A; Copeland multi-stage scroll compressor; variable speed blower motor; hot water generator standard.

Key Benefit(s): Exceptional energy efficiency; performance monitoring signals a problem before lockout occurs; quiet operation; outstanding warranty coverage.

Markets Served: Residential

GREEN PRODUCT

Green Modular Training Programs

HVAC Excellence
Booth #6518

Primary Application(s): A modular training package with a training manual, instructors guide, power point and certification. The program provides understanding of Green concepts, terminologies, systems, the latest in Green mechanical technology, maximizing the energy efficiency of existing equipment, using renewable and sustainable fuel sources, and conserving water.

Markets Served: Residential, Commercial, Institutional, Industrial

GREEN PRODUCT

Insulation Coupling

Klo-Shure Company
Booth #6217

Primary Application(s): The new Klo-Shure Insulation Coupling reduces the time required to insulate copper tubing used for refrigerant lines, hot and cold water plumbing, and chilled water systems. The system eliminates having to double wrap, glue and tape insulation at clevis hangers and strut mounted clamps. Currently the couplings are available for 1/4 to 4 1/8 O.D. tube and designed for 3/8" to 1" wall thickness insulation.

Key Feature(s): HVAC/R lines will be improved with Klo-Shure's new clampless, self-locking, insulation coupling. The Klo-Shure design eliminates metal brackets and allows complete part install within seconds. Installers will benefit from increased labor savings as well as a dramatically improved finished appearance.

Key Benefit(s): The Klo-Shure was designed with an all plastic, strut securing base, which eliminates metal clamp brackets while keeping rigidity. The patented self-locking system will seal the coupling without fasteners and create a vapor barrier to eliminate condensation.

Markets Served: Residential, Commercial, Institutional, Industrial

GREEN PRODUCT

Solar Water Heater

Monitor Products, Inc.
Booth #4274

Primary Application(s): Residential domestic water heater.

Key Feature(s): Integrated solar collector and storage tank; natural circulation system; direct water pressure type; can be used in combination with other types of water heaters.

Key Benefit(s): No running costs; no electric power supply; no CO₂ emission; low noise; easy installation.

Markets Served: Residential

GREEN PRODUCT

Free-Cooling Chiller

Motivair Corporation
Booth #4762

Primary Application(s): Motivair has expanded its range of "Free Cooling" chillers up to 270 tons. FreeCooling chillers incorporate a refrigeration system as well as a complete free cooling system, allowing the chiller to use outside cold air to cool any system during shoulder and winter months.

Markets Served: Commercial, Industrial



Northwestern Ohio Foam Products, Inc.
BarrierX5 Under Slab Insulation

GREEN PRODUCT

Under Slab Insulation

Northwestern Ohio Foam Products, Inc.
Booth #1116

Primary Application(s): The BarrierX5 is a flexible under concrete insulator/vapor barrier that is made with 1.25" thick recycled EPS foam in flexible 4'x60' rolls, and is used primarily in radiant heated floors, snowmelt and icemelt.

Key Feature(s): Like a foam cup protects your hand from hot liquid, BarrierX5 protects concrete from heat loss and moisture. BarrierX5 comes standard with a self-taped edge for quick and easy placement.

Key Benefit(s): Fast easy installation for significant labor savings; time saving; conforms to uneven grade; available for green building credits; moves insulation installation to heated floor contractor and wholesaler.

Markets Served: Residential, Commercial, Institutional, Industrial

GREEN PRODUCT

Air Delivery System

Port-A-Cool, LLC
Booth #2820

Primary Application(s): The Port-A-Cool Cyclone™ 3000 features a centrifugal air delivery system that eliminates the fan blades and reduces noise without sacrificing power. The small unit measures 38"h x 30"d x 29"w and weighs 100 pounds, but produces a powerful 2400 CFM air delivery that cools approximately 700 square feet of unobstructed space.

Key Feature(s): Small footprint; no fan blades; low noise; centrifugal air delivery; 22-gallon water reservoir; lowers temperatures 150 to 250F.

Key Benefit(s): Quiet; ready to operate right out of the box; all natural evaporative cooling.

Markets Served:
Commercial



Port-A-Cool, LLC
Port-A-Cool Cyclone™ 3000 Air Delivery System

CTI Certified Cross Flow Cooling Towers

Protec Cooling Towers, Inc.
Booth #6027

Primary Application(s): The FWS Series' single, double and multi-cell configurations are designed for commercial, institutional and industrial loads.

Key Feature(s): All major components of the FWS Series have been developed to ensure maximum efficiency with low energy consumption. Its cross flow design offers ease of maintenance, and its small footprint meets the limited space requirements of new construction projects as well as replacement projects

Markets Served: Residential, Commercial, Institutional, Industrial



Samsui Industrial Corporation
Solar Energy, Wind Generator

Solar Energy, Wind Generator

Samsui Industrial Corporation
Booth #6379

Primary Application(s): Used for residential, commercial, institutional and industrial settings.

Key Feature(s): A full range of production with various capacities.

Key Benefit(s): Saves energy.

Markets Served: Residential, Commercial, Institutional, Industrial

GREEN PRODUCT

Zero Leakage Sheet Metal Fitting

Seal-Tite, Inc.
Booth #4883

Primary Application(s): Insulated and non-insulated ceiling register boxes that offer leak-free conversion from round sheet metal pipe and flex to square and rectangular ceiling registers.

Key Feature(s): One piece body construction; leak-free seams; hemmed collar that eliminates injury and cuts; available with or without a plaster ground.

Key Benefit(s): Does not require in-field sealing of seams on body or collar; is leak-free from factory and exceeds IECC standards as "substantially leak free."

Markets Served: Residential, Commercial

GREEN PRODUCT

Solar Air Conditioning and Heating

Solar Panels Plus, LLC
Booth #5791

Primary Application(s): For use in small to large commercial businesses, including office buildings, restaurants, hospitals, etc.

Key Feature(s): High efficiency air conditioning system available in 5 ton, 10 ton and 30 ton units and powered by solar thermal panels.

Key Benefit(s): Attractive return on investment while reducing consumption of fossil fuels.

Markets Served: Residential, Commercial, Institutional, Industrial

GREEN PRODUCT

Heat Recovery Unit

Turbotec Products, Inc.
Booth #4159

Primary Application(s): Hot water heating for residential, light commercial, commercial and industrial.

Key Feature(s): Small footprint; indicator lights for operation and safety diagnostics; available in stainless steel and white powdercoat cabinets.

Key Benefit(s): Quiet operation; easy installation.

Markets Served: Residential, Commercial, Institutional, Industrial

GREEN PRODUCT

Motorized Fan

Wellington Drive Technologies U.S., Inc.
Booth #6563

Primary Application(s): Used in commercial refrigerators, beverage merchandisers, vending machines.

Key Feature(s): Electronically commutated BLDC motor fan; drop-in replacement of shaded pole and PSC induction motors; internal electronic; compact; standard fan blade sizes and accessories.

Key Benefit(s): Energy saving – saves 72% of the energy used by shaded pole motors; easy installation; high reliability.

Markets Served: Commercial



Wellington Drive Technologies U.S., Inc.
ECR92 Motorized Fan

GREEN PRODUCT

Piping System

Aquatherm CA Inc.
Booth #1157

Primary

Application(s): Green pipe; fused for no leaks; insulated; German-made; engineered to not leach aftertaste; strong to carry acids; recyclable.

Key Feature(s): Green, blue, lilac, stripped; R-value of 1 per linear foot.

Key Benefit(s): Quiet; easy to install; cost effective; low maintenance.

Markets Served: Residential, Commercial, Institutional, Industrial



Aquatherm CA, Inc.
Advanced Aquatherm
Piping System

GREEN PRODUCT

Tubing

Easyflex

Booth #1149

Primary Application(s): Potable, hot-cold water in residential and commercial applications as well as solar use.

Key Feature(s): No special tools, threading or soldering needed; has a push-on connection fitting to connect tubing to copper, steel or IC PVC.

Key Benefit(s): Easy to install; durable; flexible for numerous bonds and twisting; light tubing.

Markets Served: Residential, Commercial, Institutional

GREEN PRODUCT

Electric Tankless Water Heater

Efficient Technology Sales, LLC
(WaiWela)

Booth #1759

Primary Application(s): WaiWela (ETS) introduces the WET-12DR (240V, 11.5kW) and WET-23DR (240V, 22.5kW) electric tankless water heaters.

Key Feature(s): With 99% energy efficiency, these units are field serviceable, designed for durability, easy installation and safety engineered with precise temperature settings to prevent scalding. WaiWela tankless water heaters provide users with a smaller environmental footprint.

Markets Served: Residential, Commercial, Institutional, Industrial

GREEN PRODUCT

Circulation Pump

Laing Thermotech, Inc.

Booth #6281

Primary Application(s): Multizone residential hydronic heating systems.

Key Feature(s): Variable speed; proportional control automatically adjusts flow rate as zones open and close.

Key Benefit(s): Improves system efficiency; reduces power consumption.

Markets Served: Residential, Commercial
Green Product

GREEN PRODUCT

Tankless Water Heater

Noritz America

Booth #2646

Primary Application(s): Used in residential single family, multi-family and light commercial applications.

Key Feature(s): Easy installation, single wall venting penetration, commercial grade copper heat exchanger, low emission, dual flame burner.

Key Benefit(s): Energy Star Rating from 2009, single wall penetration for venting which will intake combustible air.

Markets Served: Residential, Commercial, Institutional, Industrial

Clamps for PEX Applications

Oetiker, Inc.

Booth #6653

Primary Application(s): The Stepless® Ear Clamps provide a 3600 design (no steps or gaps on inner circumference) and have a smooth edge band, which prevents damage to the hose.

Key Feature(s): Lightweight; fast; simple; secure installation; tamper detectable.

Key Benefit(s): Clamps are available in five prevalent PEX application sizes (3/8", 1/2", 5/8", 3/4", and 1") and conform to ASTM F2098 standard; "one" tool installation system.

Markets Served: Residential, Commercial, Institutional, Industrial

PEX Tools

TJ Longda Tools North America, LLC
Booth #5787

Primary Application(s): For PEX connections in potable water and radiant heating systems.

Key Feature(s): One compact tool does it all.

Key Benefit(s): TJ Longda Tools manufactures a variety of high quality and low cost PEX tools. Its multi-head hand or powered tools provide high efficiency and sustainable durability.

Markets Served: Residential, Commercial, Industrial

Water Detector Shutoff

Watts Water Technologies Inc.

Booth #5068

Primary Application(s): Provides comprehensive protection in the event of a water heater leak.

Key Feature(s): Shuts off both water and power, with no special piping required.

Key Benefit(s): Flood Safe is testable and resettable, and is easily installed for gas, electric and oil-fired water heaters.

Markets Served: Residential, Commercial



Watts Water
Technologies Inc.
Flood Safe Water
Detector Shutoff

TOOLS & CONTRACTOR SUPPLIES

Manifold

Digi-Cool Industries Ltd.
Booth #6746

Primary Application(s): Digi-Cool Industries introduces the Eliminator four-port manifold with a lifetime warranty. It features an anodized aluminum body, dual sight glass design, easy grip handles and large internal boring for increased vacuum and refrigerant flow.

Key Feature(s): The manifold accommodates Digi-Cool models 1200, 1250 and 1600, and comes with a hanging hook and 4 heavy duty brass hose hangers.

Markets Served: Residential, Commercial, Institutional, Industrial

GREEN PRODUCT

Diagnostic Psychrometer

Fieldpiece Instruments
Booth #6156

Primary Application(s): The SRHZ Diagnostic Psychrometer is used to find target superheat and target evaporator exit temperature quickly and easily.

Key Feature(s): Gives you all the psychrometer measurements plus TSH and TEET. Rugged for HVAC&R use, included T/C's, backlight and magnet.

Key Benefit(s): Functions as a digital psychrometer plus gives you target superheat and target evaporator exit temperature to check capacity and airflow.

Markets Served: Residential, Commercial, Institutional, Industrial

Laser Distance Meter

Fluke Corporation
Booth #2424

Primary Application(s): Distance, area and volume measurements up to 200 feet.

Key Feature(s): Pocket-sized; laser technology; high accuracy ± 0.06 inches (± 1.5 mm); simple user interface; stores up to ten readings; withstands four foot drop.



Fluke Corporation
Fluke 411D/416D Laser Distance Meter

Key Benefit(s): Boost productivity and save money by helping speed the measurement process and eliminate costly estimation errors.

Markets Served: Residential, Commercial, Institutional, Industrial

Brazing Machine

Harris Products Group
Booth #4950

Primary Application(s): A semi-automatic adjustable speed braze wire feeder; designed with the flexibility to give the operator unlimited brazing material at the touch of a button.

Key Feature(s): Drive roll design provides feeding and quick reloading by simply starting wire into guide tube; enclosed case; spool protective cover; low voltage (24 volts) gun trigger circuit; dynamic braking system.

Key Benefit(s): Increased manufacturing throughput; improved joints; better control.

Markets Served: Commercial, Industrial



Harris Products
Group
PowerBrazer

Tube Cutter

Imperial/Stride Tool
Booth #4423

Primary Application(s): The TC-3050RH SuperImp™ ratcheting handle tube cutter is for 1/8" – 1 1/8" metal tubing: hard or soft copper, aluminum, brass, thin-wall steel, stainless steel, monel, titanium and other metal tubing.

Key Feature(s): Big capacity; small size; long ratcheting handle for better leverage; removable deburr tool; stainless rollers for smoother cutting action; 100% factory tested for spiral-free cutting.

Key Benefit(s): Use the TC-3050 cutter with or without ratcheting handle; snaps into place in seconds.

Markets Served: Residential, Commercial, Institutional, Industrial

4-Valve Digital Manifold

J/B Industries, Inc.
Booth #4768

Primary Application(s): Used in residential and light commercial; has standard manifold capabilities plus simultaneous reading of superheat and subcool; quick conversion from 0F to 0C and psi to kPa, 32 refrigerants built in.

Key Feature(s): Heavy duty rubber boot; temperature sensor and clamp; auto cal; sleek design; made in the USA.

Key Benefit(s): 4 valve digital; winner of Bronze Medal in 2008 DDA.

Markets Served: Residential, Commercial



Klenk Tools - a Div. of Everhard Products, Inc.
4-in-1 Multisocket Nut Driver

Hand Tool – Nut Driver

Klenk Tools - a Div. of Everhard Products, Inc.
Booth #6244

Primary Application(s): Used to drive nuts as fasteners in HVAC, sheet metal and construction applications.

Key Feature(s): Replaces the four most common metric nut drivers with one tough, yet compact tool; high quality industrial steel construction; hi-torque grip has textured non-slip surface.

Key Benefit(s): Four nut driver sizes in one tool; metric sizes available: 7mm, 8 mm, 10mm, 13 mm.

Markets Served: Residential, Commercial, Institutional, Industrial



LENOX®
LENOX T2 Reciprocating Saw Blade

Reciprocating Saw Blade

LENOX®
Booth #1524

Primary Application(s): Used in general construction, plumbing, electrical.

Key Feature(s): The LENOX T2 technology minimizes heat build-up by improving cutting efficiency, which in turn eliminates premature tooth dulling and blade failure.

Key Benefit(s): This revolutionary new blade design delivers up to 100% longer blade life and 25% faster performance in metal cutting applications than the prior generation of LENOX reciprocating saw blades.

Markets Served: Residential, Commercial, Institutional, Industrial

Diamond Core Bit

Lightsmith, Inc./Hole Pro
Booth #6279

Primary Application(s): High performance dry cutting of holes in concrete, brick and masonry; quick cutting of holes for vents, electrical and fuel lines in residential and commercial buildings. These core bits can be used with angle grinders for easier use on ladders, and without water for faster setup and cleanup. Available in HVAC trade specific sizes.

Markets Served: Residential, Commercial, Institutional, Industrial

Laser Pulley Alignment Tool

LUDECA, Inc.
Booth #4785

Primary Application(s): Alignment of HVAC belt-driven equipment.

Key Feature(s): Features a Green Line Laser for optimum visibility; ideal for outdoor applications.

Key Benefit(s): Fast and accurate method; one-person job!

Markets Served: Industrial



LUDECA, Inc.
SheaveMaster GREENLINE Laser Pulley Alignment Tool

Drill Attachments

Malco Products, Inc.
Booth #6327

Primary Application(s): Large/small take-offs in metal ductwork.

Key Feature(s): English/metric gauges; two models; use any drill; slotted pivot nut; precision-fit bearings; fast-drilling mill bit; simple bit replacement.

Key Benefit(s): HC1 cuts 2"-12" (51 mm-305 mm); HC2 cuts 2"-29" (51 mm-508 mm); operate anywhere; pivot adjusts with wrench/screwdriver; no bit failure; fast operation; long-lasting cutting edge; bit installs in field

Markets Served: Residential, Commercial

Aviation Snip

Midwest Tool and Cutlery Company
– Midwest Snips®
Booth #4755

Primary Application(s): The Offset Power Cutter® aviation snip makes faster and easier long cuts on sheet metal for applications such as duct work installation or duct fabrication in the shop.

Key Feature(s): It features 2 3/8 inch cut length, one-inch wide blade tip opening and offset blades that keep hands safely above the working surface and allow the snip to be readily advanced on long cuts without interference from the material being cut.

Key Benefit(s): Hot drop-forged blades cut all the way to the blade tip. Made in the USA; rated to cut 20 ga. cold rolled sheet metal.

Markets Served: Residential, Commercial, Industrial

GREEN PRODUCT

Air Tool

Putzmaus America
Booth #6329

Primary Application(s): Boiler tube cleaning tool.

Key Feature(s): Easy to use with air hose; light weight.

Key Benefit(s): Energy savings by regular use up to 10%.

Markets Served: Commercial, Institutional, Industrial

Packaged Refrigerant Recovery Unit

RefTec International, Inc.
Booth #1820

Primary Application(s): Used to recover and store large amounts of low pressure refrigerants from chillers.

Key Feature(s): Small footprint; fast recovery; many size options.

Key Benefit(s): Easy operation; factory direct support.

Markets Served: Commercial, Institutional, Industrial



Streamlight, Inc.
Stinger DS° LED Flashlight

Flashlight

Streamlight, Inc.
Booth #6258

Primary Application(s): Lighting work area; illuminates hard-to-reach, hard-to-see areas.

Key Feature(s): C4 LED is up to three times brighter than standard high flux LEDs; independent dual switch technology; strobe function; durable anodized aluminum construction; up to 18,000 candela peak beam intensity; 140 lumens; runtime: high 1.75 hours, medium 3.5 hours, low 6.75 hours, strobe 5.5 hours.

Key Benefit(s): Fits existing Stinger chargers; long running, rechargeable battery saves costs.

Markets Served: Residential, Commercial, Industrial

HVAC Material Lift

Sumner Manufacturing Company Inc.
Booth #5269

Primary Application(s): The 2412 Lift meets the needs of HVAC contractors (residential, commercial and industrial) when lifting air handling units and duct work.

Key Feature(s): This mid-range lift weighs 40% less than other "big" lifts. It stows for ease of transport in service vehicles or even SUVs.

Key Benefit(s): It will lift and position 400 lbs. up to 13 ft. (forks in up position) with its telescoping aluminum masts. Its smaller footprint allows for use in tighter working quarters.

Markets Served: Residential, Commercial, Institutional, Industrial

Sheet Metal Working Machinery

TinKnocker c/o TAAG Industries, LLC
Booth #6668

Primary Application(s): With higher freight charges and fuel surcharges, "shipping" more than ever is an important consideration in the buying process. To reduce shipping costs and delivery times, TAAG now has warehouses in California, Oklahoma and Ohio. Tin Knocker is a brand of sheet metal machinery from which a contractor can source every machine for a small HVAC sheet metal shop, and at very affordable prices. Tin Knocker machines are available from the local HVAC distributors.

Markets Served: Residential, Commercial

VFD and Electronic Bypass

ABB, Inc.

Booth #3435

Primary Application(s): Commercial and institution buildings.

Key Feature(s): BAS connectivity enhanced motor protection; advanced diagnostics and system status displays.

Key Benefit(s): System monitoring and control even when VFD is in bypass.

Markets Served: Commercial, Institutional, Industrial

Chainwheel

Babbitt Steam Specialty Company

Booth #1113



Babbitt Steam Specialty Company
Safety Hammer-Blow Chainwheel

Primary Application(s): The Safety Hammer-Blow Chainwheel allows plant personnel to operate out-of-reach high pressure valves easily from the floor, by the simple pull of a chain, without having to climb ladders. It provides a secondary

attachment device, dramatically reducing the potential danger of a falling hand wheel to which a Babbitt Safety Hammer-Blow Chainwheel is attached.

Markets Served: Industrial

Fin Stock Lubricator

Burr Oak Tool, Inc.

Booth #4332

Primary Application(s): Used for the application of lubricant on fin stock prior to stamping.

Key Feature(s): Extremely accurate, consistent, and repeatable application of lubricant.

Key Benefit(s): It greatly reduces the amount of lubricant, eliminating housekeeping issues, reduces floor space requirements and uses non-VOC lubricants.

Markets Served: Residential, Commercial, Industrial



Burr Oak Tool, Inc.
FSELM-20 FinPal Lubricator



Chicago Clamp Company
Framing Clamp System

Framing Clamp System

Chicago Clamp Company

Booth #6463

Primary Application(s): The Framing Clamp System is ideal for installing HVAC equipment, exhaust fans, vents and skylights.

Key Feature(s): It reduces labor costs and shortens installation schedules.

Key Benefit(s): Because no welding or specialized tools are required, installation and removal are easy, and the entire system can be relocated conveniently to meet your changing needs.

Markets Served: Commercial, Institutional, Industrial

Coating and Sealant

C.I.M. Industries, Inc.

Booth #1127

Primary Application(s): The CIM 1000 Trowel Grade Cartridges cures to form an elastomeric, UV stable, and impermeable barrier to water. It also bonds aggressively to most substrates.

Key Feature(s): CIM 1000 Trowel Grade Cartridges eliminate the need to mix material on the side. The cartridges are ideal for small waterproofing applications such as cooling tower basin repairs, penetrations, joints and cracks.

Key Benefit(s): No mess and easy to use.

Markets Served: Residential, Commercial, Institutional, Industrial

Pump

Dean Pump Division, Met-Pro Corporation

Booth #2741

Primary Application(s): Designed specifically for use with hot water, ethylene glycol and propylene glycol in boiler feed, steam condensate, HVAC and heat transfer applications.

Key Feature(s): Shaft mounted fan to provide air flow over cooling fins of the pump; heavy duty horizontal end suction; centerline supported; back pullout design to permit ease of maintenance; 8 pump sizes; capacities to 1100 GPM; heads to 425 feet; pressures to 450 PSIG; maximum temperature to 4500F.

Key Benefit(s): No external water cooling required for the bearings and mechanical seal.

Markets Served: Commercial, Industrial

Fire Rated Ductwork

DuraSystems Barriers, Inc.

Booth #6191

Primary Application(s): The DuraDuct GNX patented space saving fire-rated duct system arrives on the project site ready for installation. After the system is installed, the fire resistance rating is achieved immediately without the need for an enclosure of any kind, eliminating multiple trade coordination.

Markets Served: Commercial, Institutional, Industrial

Duct Hanging Hardware

Duro Dyne/Dyna-Tite

Booth #6200

Primary Application(s): Duct hanging system that utilizes cable locks and wire rope to secure ductwork and equipment. The KV bracket includes a cable lock, and the assembly allows them to be attached directly to the ductwork prior to hanging.

Key Feature(s): Accessible release pin for simple adjustments without the use of tools.

Key Benefit(s): Increases safety on the job site because most of the work can be done on the ground. Increases labor savings when compared to threaded rod and bond iron.

Markets Served: Residential, Commercial

Expansion Joint Control Assembly

Flex-Hose Company Inc.

Booth #6525

Primary Application(s): The STOPLINK Cable design allows the terminal ends of rubber expansion joints to move freely relative to each other when experiencing angular misalignment, axial compression, extension or a combination thereof.

Key Benefit(s): Easy to install; factory designed and assembled. No loose parts or field adjustments; simply bolt to the mating flanges.

Markets Served: Commercial, Institutional, Industrial

Infrared Camera

FLIR Systems, Inc.

Booth #2949

Primary Application(s): Electrical, heating and cooling, mechanical inspections.

Key Feature(s): Pocket-sized; fully automatic; high image quality; high accuracy; focus free viewing; 5000 image miniSD™ card storage; large 2.8" color LCD.

Key Benefit(s): Affordable; high accuracy of 2% and thermal sensitivity of 0.10C help you find problems faster and easier; easy to use; lightweight; rugged.

Markets Served: Residential, Commercial, Institutional, Industrial

GREEN PRODUCT

Certification Course and Manual

Green Mechanical Council

Booth #6414

Primary Application(s): An excellent overview for technicians, trades people, building managers or anyone interested in understanding the fundamentals of energy conservation and management.

Key Feature(s): The accompanying manual (also available separately) contains four main sections: 1) Core knowledge and energy management and analysis; 2) Green heating, ventilation, air conditioning, refrigeration; 3) Electrical generation and consumption; 4) Green plumbing.

Key Benefit(s): Green Awareness is designed to provide a basic understanding of Green concepts, terminologies, systems and the latest in Green mechanical technology. Successful completion of the exam's core section and at least one of the emphasis sections allows certification as completing the Green Mechanical Awareness Program with specializations in HVAC, electrical and/or plumbing.

Markets Served: Residential, Commercial, Institutional, Industrial



HCI (Hydronic Components, Inc.)
Terminator "S" Green Valve

GREEN PRODUCT

Hybrid "Green" Strainer/Shutoff Valve

HCI (Hydronic Components, Inc.)

Booth #4855

Primary Application(s): Commercial, institutional, educational, medical/hospitals, hotels and buildings with hydronic heating and cooling systems.

Key Feature(s): Compact low carbon footprint design combines features of a ball valve shut-off, union, pressure temperature port and strainer into a single valve body.

Key Benefit(s): Patented water saving design is two-fold: 1) when removing strainer for cleaning, the coil does not need to be drained, resulting in minimal water/glycol chemical loss and little introduction of air into the system; 2) high Cv values with low head loss; compact design eliminates as many as 12 piping connections; less space and time required for installation.

Markets Served: Commercial, Institutional, Industrial

Hot Melt Adhesive Dispenser

Hot Melt Technologies, Inc.
Booth #2942

Primary Application(s): Used for filling hot melt reservoirs for bookbinding, roll coating, etc.

Key Feature(s): Lower wattage; high efficiency melt grids; simple and easy operation; modular and interchangeable components.

Key Benefit(s): Easy installation; cost effective use; simple to maintain.

Markets Served: Commercial, Industrial

Terminal Block

Marathon Special Products
Booth #5612

Primary Application(s): The redesigned enclosed 0987 Series Heavy Duty Terminal Block is constructed with an engineered thermoplastic and has a UL-94 flammability rating of V-0, temperature rating of 125°C, meets IP20 touch proof and is approved for multiple wires. Agency approvals include UL and CSA. Typical applications include traffic control, utilities and switchgear.

Markets Served: Commercial

Cold Galvanizing Compound

McGill AirSeal LLC
Booth #1516

Primary Application(s): Uni-Bright™ and Uni-Galv™ are cold galvanizing compounds, zinc-rich coatings that will stop rust and corrosion on all metal surfaces. Sacrificial coating is equal to hot-dip galvanizing in cathodic protections, film durability, and caustic and salt protection. They are available in 16 fluid oz/12 and 14 oz net weight spray cans.

Markets Served: Commercial, Institutional, Industrial

GREEN PRODUCT

Water Conserving Automatic Filter

Orival Water Filters
Booth #1441

Primary Application(s): Used to remove organic and inorganic suspended solids to protect cooling towers, closed loop cooling systems, heat exchangers and chillers.

Key Feature(s): Very small footprint; "Green" design for mineral water usage during automatic self-cleaning cycle; wide range of sizes and filtration degrees.

Key Benefit(s): Quick and easy to install; factory direct support; high performance at an economical price.

Markets Served: Commercial, Institutional, Industrial

Orival Water Filters
Water Conserving Automatic Filter



Perma-Pipe, Inc.
XTRU-THERM® Pre-Insulated Pipe

Pre-Insulated Pipe

Perma-Pipe, Inc.
Booth #4532

Primary Application(s): XTRU-THERM® is an advanced polyurethane foam insulated piping system for fluids ranging from cryogenic to moderate temperatures.

Key Feature(s): Void-free spray-on insulation and seamless extruded polyethylene jacket result in a completely bonded system that moves as a single unit for maximum efficiency and long service life.

Markets Served: Commercial, Institutional, Industrial

Fan Wheels

Punker GmbH and Co. KG
Booth #2666

Primary Application(s): Fan wheels with forward and backward curved blades; cross-flow fan wheels/units; components for air conditioning, burners, etc.

Markets Served: Industrial

CAB Brazing Systems

SECO/WARWICK Corporation
Booth #2943

Primary Application(s): Many manufacturers are switching from copper to aluminum condenser coils to meet new efficiency standards and reduce material costs. Seco/Warwick offers Controlled Atmospheric Brazing (CAB) Systems for efficient production of aluminum condensers and evaporators.

Key Feature(s): Fully automated, convection heating reduces the heating cycle and increases efficiency. Many options are available for high volume or small batch production.

Key Benefit(s): Well established technology; used for automotive aluminum heat exchangers for 25 years; aluminum condenser and evaporator coils meet new, higher SEER ratings, replacing copper with a low cost alternative.

Markets Served: Industrial



GREEN PRODUCT

Water Filtration System

Sonitec, Inc.
Booth #5716

Primary Application(s): Sidestream filtration; chilled/hot water loops (HVAC); green applications such as PreRO, water reuse and rainwater polishing.

Key Feature(s): Small footprint; low backwash requirements; high removal efficiency; removal down to .045 micron.

Key Benefit(s): Low maintenance; major energy savings; short payback time; compact configuration; easy installation.

Markets Served: Commercial, Institutional, Industrial



Sonitec, Inc.
Vortisand Filter

GREEN PRODUCT

Fiberglass Ductwork

Spunstrand Inc.
Booth #6769

Primary Application(s): Used in residential and commercial applications where the duct system is located underslab.

Key Feature(s): Product provides a water-tight, energy efficient, green duct system.

Key Benefit(s): Duct system is quiet, while providing comfort and optimal indoor air quality.

Markets Served: Residential, Commercial, Institutional, Industrial

Seismic Roof Curb

Thybar Corporation
Booth #1664

Primary Application(s): Thybar Seismic Curbs for rooftop HVACs are specifically designed to withstand severe wind loads or seismic activity. Each curb is manufactured to the seismic design criteria required by geographic location. Curbs for rooftop mounted equipment are quickly manufactured to precise specifications.

Key Feature(s): Options include built-in filters, extra height for installation of sound traps beneath the unit, built-in roof pitch, and a pressure treated wood nailer. Curbs are all welded construction and are shipped to the job site in one piece if trucking permits. If unshippable as one piece, all corners are welded and the number of pieces is kept to a minimum.

Key Benefit(s): Thybar has a licensed P.E. on staff.

Markets Served: Commercial, Institutional, Industrial

Product Safety Testing Certification

Underwriters Laboratories Inc.
Booth #3969

Primary Application(s): UL will meet all of your safety certification needs, both locally and globally.

Markets Served: Residential, Commercial, Institutional, Industrial



Vac Systems International
Super Collector E1.5 Portable Vacuum Collection System

Portable Vacuum Collection System

Vac Systems International
Booth #2853

Primary Application(s): Residential, light commercial, apartment, condominium, marine and other air duct cleaning projects.

Key Feature(s): The 1.5 hp motor, 3,500 cfm (free air) fan delivers 3,200 cfm for maximum productivity. Connect two units together and get 5,750 cfm for maximum productivity on larger projects. Cleanable pre-filters mean the lowest possible operating cost for greater savings.

Key Benefit(s): The 115 lb. weight and small size means excellent (one-person) portability. There is a two-year warranty and money back performance guarantee for peace of mind.

Markets Served: Residential, Commercial, Institutional, Industrial

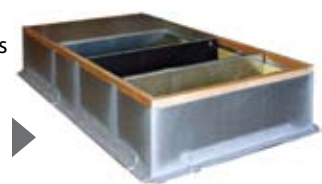
Motor

WEG Electric Motors Corporation
Booth #4481

Primary Application(s): The rolled steel motor is an alternative to cast iron motors for use in applications where a light weight motor is required.

Key Benefit(s): Light in weight.

Markets Served: Commercial, Industrial



Thybar Corporation
Seismic Curbs for Rooftop Equipment

FREE TO ALL VISITORS

The Free Educational Presentations on this page will be held at McCormick Place during Show days and do not require advance registration. Go to www.ahrexpo.com/education for up-to-date schedule including times and locations. Schedules will also be posted when you arrive at the Show.

FREE SPECIAL BUILDING AUTOMATION SESSIONS

Using Technology to Create Sustainable Green Buildings

Monday, January 26, 9:00am-10:00am

An overview of new trends, concepts and ideas that have emerged since the 2008 AHR Expo, New York with a Global Perspective on Cutting Edge Sustainable Developments. The global session will present some stunning examples of real estate developments that are "pushing the envelope" and truly trying to transform the way people live, work and play. The session will discuss the lessons that can be learned from these developments and the impact they will have on our response to sustainability. In addition, a preview of new technologies and ideas that can be found at this year's Building Automation & Control Showcase plus the winner and honorable mentions of the 2009 Innovation Awards will be provided.

Energy Economics in Your Buildings

Monday, January 26, 1:30pm-2:30pm

Energy suppliers cannot generate enough energy in the coming years for the anticipated demand. The new economics is changing our society and our culture by demanding sustainability. Sustainability Connected Converged Conservation is now mandatory. This fact will drive billions of dollars in revenue for integrators over the next decade. The key to the future is to combine systems knowledge with Building Automation applications. This session will be an open discussion with practical examples of sustainable design and implementation using LEED and other evolving concepts.

Green Buildings, BIM and Evolving Energy Standards

Tuesday, January 27, 9:30am-10:30am

Our new focus on reducing our impacts on energy resources and changing climate conditions is increasing our emphasis on building planning, design, and construction techniques. Sustainable design using Building Information Modeling "BIM" with ever tightening energy standards such as ANSI/ASHRAE 90.1, is moving us towards more responsible building energy usage. BAS can be found at the heart of all these efforts. Information technology, whether illustrated by BIM, smart meters, smart grids or intelligent control systems, can help us monitor and control energy use and ultimately save both energy and cost providing an immediate return-on-investment in terms of higher employee productivity and reduced operating expenses. Please join us in this discussion.

"Building to Grid": Enabling Buildings to Trade Their Energy

Tuesday, January 27, 1:30pm-2:30pm

B2G success is defined as enabling buildings to trade their energy. The goal of the Smart Grid standardization efforts is to design the information exchange and informational interoperability to enable healthy markets to emerge around energy use in buildings. Convergence is changing everything for everyone by leading us down the same data paths while using our data as it has never been used before. The protocol for communication to any layer of the cloud should be the same; internet ready, secured, and standards based plus ready for e-commerce. In this session come and stick your head in the newly formed computer and communication clouds.

FREE ASHRAE-sponsored Public Session

Sustainability in the Urban Environment



Monday, January 26, 3:00pm-5:00pm

The industry's efforts to increase energy efficiency and indoor environmental quality have been focused on achieving sustainability in buildings. Now, those efforts are now being extended to further the sustainability of entire communities. This public session shows how successful community sustainability efforts have created additional opportunities for industry professionals to work within their community. Featured success stories are the City of Chicago's sustainability program, which is recognized worldwide and has made significant advances in getting residents to work toward that common goal, and the green goals achieved by an electric utility company and community leaders in Austin, Texas. Driving the sustainable communities movement is the proposed LEED-ND (Neighborhood Developments) certification program, and insights into this program will be presented. Attend this session to learn how the HVAC&R industry is changing to fit into the broader, community scope of sustainability. Earns 2 PDHs.

FREE PRESENTATIONS BY ENDORSING ASSOCIATIONS

For exact times and locations visit the AHR Expo Website before you leave for the Show or check posted schedules when you arrive at the Convention Center.

MONDAY, JANUARY 26 – MORNING PRESENTATIONS

SMACNA/ANSI HVAC Duct Construction Standard

Sheet Metal and Air Conditioning Contractors' National Association (SMACNA)

Seismic Qualifications of Cooling Towers by Shake Table Testing

Cooling Tower Institute (CTI)

Training Your Technicians

Refrigeration Service Engineers Society (RSES)

System Operating Costs and Duct Leakage

Spiral Duct Manufacturers Association (SPIDA)

GridWise and the Nation's Carbon Footprint

GridWise™ Architecture Council (GWAC)

MONDAY, JANUARY 26 – AFTERNOON PRESENTATIONS

Maximizing System Performance with Condensing/Noncondensing Boilers

American Boiler Manufacturers Association (ABMA)

TUESDAY, JANUARY 27 – MORNING PRESENTATIONS

LonMark Educational Sessions

LonMark Americas (LMA)

Hydronic Radiant Control Strategies

Radiant Panel Association (RPA)

HVACR Education & Training: Important Yesterday, Today, and Tomorrow

Air-Conditioning, Heating and Refrigeration Institute (AHRI)

Labeling Fans for Energy Efficiency

Air Movement and Control Association International, Inc. (AMCA)

TUESDAY MORNING CONTINUED

Emission Reductions Using Combustion & Post Combustion Processes

American Boiler Manufacturers Association (ABMA)

VRF Cooling Systems-An Application Engineer's Perspective:

Plus Current "Green Issues"

Heating, Airconditioning & Refrigeration Distributors International (HARDI)

B2G - Building to Grid - and the Next Frontier for BACnet

GridWise™ Architecture Council (GWAC)

TUESDAY, JANUARY 27 – AFTERNOON PRESENTATIONS

Saving Energy Through Proper Air Filtration

National Air Filtration Association (NAFA)

Requirements of the Technical Commissioning Process

National Environmental Balancing Bureau (NEBB)

SMACNA/ANSI Seismic Restraint Standard

Sheet Metal and Air Conditioning Contractors' National Association (SMACNA)

Saving Energy Through Proper Air Filtration

(Presented in English and Spanish)

National Air Filtration Association (NAFA)

Best Ventilation Practices for High Performance Homes

The Home Ventilating Institute (HVI)

Wireless Building Automation Solutions

ZigBee Alliance (ZigBee)

Carbon Monoxide: A Clear and Present Danger

Green Mechanical Council

Green Building Rating Systems – A Comparative Analysis

Green Mechanical Council

PROGRAMS THAT REQUIRE REGISTRATION AND FEE

ASHRAE EDUCATION AT THE 2009 AHR EXPO

ASHRAE Half-Day Courses by the ASHRAE Learning Institute



The ASHRAE Learning Institute offers an array of continuing education courses, including many new courses, at the 2009 ASHRAE Winter Meeting. These Short Courses carry the appropriate number of continuing education credits (CEUs), which can be applied toward maintaining P.E. registration. All courses listed here will be held at McCormick Place.

SUNDAY, JANUARY 25 2:00PM-5:00PM

- Energy Management in New and Existing Buildings
- Humidity Control: Basic Principles, Loads & Equipment
- Introduction to Green Buildings and Sustainable Construction
- Chilled Beam Technology for Excellent Indoor Climate in an Energy Efficient Manner

MONDAY, JANUARY 26 2:30PM-5:30PM

- Low Temperature Radiant Heating & High Temperature Radiant Cooling Systems
- Understanding Standard 189.1P for High-Performance Green Buildings

TUESDAY, JANUARY 27 9:00AM-12:00PM

- Humidity Control: Applications, Control Levels, & Mold Avoidance
- Installation of Residential Ventilation Systems
- Healthcare Facilities - Best Practice HVAC Design Consideration and Criteria

TUESDAY, JANUARY 27 2:00PM-5:00PM

- Introduction to Thermal Energy Storage Systems for A/C
- Healthcare Facilities - Best Practice Applications of HVAC Systems

ASHRAE Learning Institute Half-Day Sessions Registration

Cost: \$146 (\$110 ASHRAE Members) per course. Each earns 3 PDHs/AIA LUs or .3 CEUs
Advanced Registration: Go to: www.ashrae.org/chicagocourses or call
(800) 527-4723 • On-site: ASHRAE Registration Table on Level 1 at McCormick Place

ASHRAE Wednesday Conference WELCOME WEDNESDAY

WEDNESDAY, JANUARY 28 9:00AM-10:30AM

- Utility Water Conservation Strategies for Sustainable Urban Design
- Achieving Sustainability and Energy Reduction Through ASHRAE Standard 62.1's IAQ Procedure: Case Studies of Success
- Airflow Measurement for Small Forced-Air Systems
- Basics of Load Calculations
- Building Information Model (BIM) Application Issues for the Integrated Design Process
- Liability and Litigation Issues in Green Design, Part 1

WEDNESDAY, JANUARY 28 10:45AM-11:45AM

- Demand Controlled Ventilation: Meeting the Requirements of Standard 62.1
- Liability and Litigation Issues in Green Design, Part 2
- So Your Green Building Has a Building Automation System: What Can It Do For You?
- UV Lamp Technology: Effects of Operating Conditions on Germicidal UV Lamp Performance
- Is Contaminant Control Needed for R22 Conversions?

WEDNESDAY, JANUARY 28 10:45AM-12:15PM

- Sustainability vs. Safety in Labs

WEDNESDAY, JANUARY 28 12:00PM-1:30PM

- Back to Basics: How Does a Liquid Chiller Work?
- Base Studies in Sustainable Retrofit to Reduce Energy of Existing Buildings
- Commissioning for Different Programs to Support Sustainable Urban Environments
- Leveraging Tools and Processes for Successful Projects: Building Information Modeling and Integrated Project Delivery
- Low Carbon Cities: Present and Future
- VFDs Deliver Real Energy Savings

ASHRAE Wednesday Conference Registration

Cost: \$99 for three sessions. Earns 4 PDHs.
Advanced Registration: Go to: www.ashrae.org/events
On-site: ASHRAE Registration Table on Level 1 at McCormick Place

LEED Implementation for Building Operations and Maintenance (NEW!)

MONDAY, JANUARY 26 8:00AM-5:00PM

Presented by USGBC

This 300 level course is designed for building operations and maintenance professionals involved in implementing LEED v2009: Existing Building Operations & Maintenance. Includes successful LEED project strategies in each credit category and specific information on credit weightings and points structure of this new version of LEED and LEED online to help navigate the process toward certification. Prior knowledge of LEED a must.

USGBC's LEED Implementation Registration: Cost: National Members - \$345 (advanced)/\$375 (on-site); Non-Members - \$445 (advanced)/\$495 (on-site)
Advanced Registration: go to: www.usgbc.org • On-site: At Session prior to the start.

Building Intelligence Tour: Advanced Integrated Lighting Control

TUESDAY, JANUARY 27 9:00AM-5:00PM

Presented by CABA

This seminar is designed to focus and go in-depth on this one important aspect of intelligent buildings with coverage of planning, design and specification, startup and commissioning, and operations. Along the way, the seminar will explore the possibilities presented by integration and cross-optimization with building systems and demand response programs.

Tour Registration: Cost: \$250 in advance • Advanced Registration and information go to: www.buildingintelligencetour.com/event.php/id/137

GreenSpeak: The Language and Culture of Green

TUESDAY, JANUARY 27 8:30AM-11:30AM

Presented by Green Mechanical Council

GreenSpeak is an orientation to the language and culture of Green. This 3-hour workshop provides definitions to commonly used phrases and words, discusses misconceptions which must be overcome, and identifies trends which are making Green not only "mainstream" but the future of our professions and lifestyles.

GreenSpeak Registration: Cost: \$95 (advanced)/\$135 (on-site) • Advanced Registration and information go to: www.greenmech.org/GreenSpeak/Workshop/AHR.htm or call (877) 347-3360 • On-Site: At Session prior to the start

OTHER WORKSHOPS AND EXAMS

MONDAY, JANUARY 26 8:30AM-4:30PM

NATE Certification Refresher Course & Exam

Review: 8:30am-11:30am/Exam: 12:30pm-4:30pm

Registration: Pre-register on the NATE website at: www.natex.org

MONDAY, JANUARY 26 8:00AM-4:00PM

LonMark Certification Prep Class – Presented by LonMark Americas (LMA)

Registration and information go to: www.lonmark.org/certifications

WEDNESDAY, JANUARY 28 8:00AM-4:00PM

LonMark Certification Exam

Registration and information go to: www.lonmark.org/certifications

WEDNESDAY, JANUARY 28 10:00AM-12:00PM

ASHRAE's Operations & Performance Management Professional Certification

Cost: \$275 Members/\$395 Non-members (Save 50%-Register before 1/9/09)

Register and more information: www.ashrae.org/certification

AABC Commissioning Workshop & Exam (CxA)

TUESDAY, JANUARY 27 8:00AM-5:00PM

AABC Commissioning Group (ACG) will again be holding a comprehensive 5-hour CxA Workshop followed by a Commissioning Certification exam at the Show. Workshop attendees do not need to be eligible for certification; engineers, commissioning providers, architects, building owners and others are welcome. Certification Exams require an application and approval so make sure to visit our website.

Registration: Cost: \$650 for Workshop & Exam • Advanced registration preferred; Application required for Certification: Go to: www.commissioning.org

PM LIVE – SPONSORED BY PLUMBING & MECHANICAL MAGAZINE

Solar Water & Solar Heating —
New Opportunities for Hydronic Professionals
- PM Live

MONDAY, JANUARY 26 8:30AM-1:00PM

Presented by John Siegenthaler, P.E.
This half-day PM LIVE session at the AHR Expo will bring you up to speed with the latest technology for solar domestic water heating. It then extends the envelope to include combined DHW and space heating applications. Topics to be discussed include collector options, controls, piping designs, and determining seasonal performance. If you've been thinking of branching out from traditional hydronic heating into solar thermal technology this session is a good place to get grounded in the fundamentals. You'll learn what works and what doesn't from 30 years of field and design experience.

PM Live Registration

Cost: \$139 • Registration & more information: go to: www.pmmag.com/pmlive

Reclaimed Water & Water Conservation
Revisited - PM Live

MONDAY, JANUARY 26 8:30AM-1:00PM

Presented by Julius Ballanco, P.E., CPD
This half-day PM LIVE session will hit on two popular industry topics:
Reclaimed Water – Problems & Pitfalls: Mr. Ballanco will provide insight into gaining code approval, dealing with the various agencies, and providing annual inspections. He will review problems that have beset the systems so that you will not fall into the same trap. Walk away with an understanding of where we are headed in the use of reclaimed water.
Water Conservation Revisited - The second half of the morning program will address how much more water can be conserved in plumbing systems. As we move from 1.6 gallon per flush water closets to HETs, what impact will this have on existing and new installations? Urinals are very low flow and non-water supplied. What happens with a larger installation with such a reduction of water? Mr. Ballanco will address the installation considerations for the overall system in an effort to conserve more water and be efficient with out water use.

FREE
to All Visitors!

Visit the New Product Technology Theater

Sit in on brief presentations on some of the newest products on the market in the New Product Technology Theater.
Here's the schedule of the presenting companies and the products to be introduced.
Theater A is in the South Hall; Theater B is in the North Hall



	Theater	Time	Product Presentation	Company
MONDAY, JANUARY 26	A	10:30 AM	Wireless Remote Monitoring of Temperature and Water Emergencies	Control Products, Inc.
	B	10:30 AM	Climate Mat: The Radiant Heating/Cooling System for Commercial Buildings	Viega LLC
	A	11:00 AM	Electro Industries, Electric Industrial Hot Water Boilers	Electro Industries Inc.
	B	11:00 AM	Communicating Humidity Controllers	Viconics Electronics Inc.
	A	11:30 AM	No-Weld Alternatives for Rooftop Unit Installations	Chicago Clamp Company
	B	11:30 AM	Poolroom Design Considerations	PoolPak International
	A	12:00 PM	Universal Air Flow Control	Belimo Americas
	B	12:00 PM	Green Pipe	Aqua Therm CA Inc.
	A	1:00 PM	2009 AHR Expo® Innovation Awards Presentation	INNOVATION AWARDS
	A	2:30 PM	Using PIPE-FLO® 2009 to Design New HVAC Chilled Water Systems	Engineered Software, Inc.
	B	2:30 PM	Energy Savings Thru Corrosion Protection	Bronz-Glow Technologies, Inc.
	A	3:00 PM	Power Brazer	The Harris Products Group
	B	3:00 PM	Products for Achieving a Quality HVAC Installation	Testo, Inc.
	A	3:30 PM	Condensing Economizer/Optimized Boiler Package	Cleaver-Brooks
TUESDAY, JANUARY 27	A	10:30 AM	New Ground Source Design Software	Thermal Dynamics
	B	10:30 AM	Preferred Utilities' Flame Safeguard Products	Preferred Utilities Mfg. Corp.
	A	11:00 AM	ROTRONIC HygroClip2: reaching new levels of performance in RH/T measurement	Rotronic Instrument Corp.
	B	11:00 AM	TBD	Tridium
	A	11:30 AM	Open the Residential Economizer Window of Opportunity	Arzel Zoning Technology Inc.
	B	11:30 AM	LG Multi-V	LG Electronics USA
	A	12:00 PM	BACnet Web Graphical User Interface	Open General
	A	12:30 PM	Acid Buster Injection Kit	Spectronics Corporation
	A	1:00 PM	220-TRH Sensible/Latent Interface Controller	Hoffman Controls Corporation
	B	1:00 PM	The Matrix Area Controller & AspectFT Control Engine	American Auto-Matrix
	A	1:30 PM	Munters Drycool ERV	Munters Corporation
	B	1:30 PM	FLIR b60: Affordable Infrared for Building Inspection	FLIR Systems
	A	2:00 PM	TBD	Fieldpiece Instruments
	B	2:00 PM	Integrated Construction Solution for Optimal Profitability	Maxwell Systems
	A	2:30 PM	Textra SOFT Formaldehyde-free Air Ducts	Anco Products Inc.
	B	2:30 PM	Successful Brazing of Aluminum Evaporator Coils	Bellman-Melcor, LLC

NOTE: Schedule is subject to change. For more information and an updated list of presentations, visit www.ahrexpo.com or consult the posted schedule when you arrive at the Show.

Discounted Show Hotels

Discounted hotel rates have been pre-negotiated for the Show by Travel Planners — you won't find lower rates at Show Hotels anywhere else. For all your hotel arrangements:

- 1. **BOOK ONLINE:** Go to our website: www.ahrexpo.com
When booking online you can see hotel pictures, location maps, services, and more.
- 2. **CALL TRAVEL PLANNERS:**
In the U.S. and most of Canada: **800-221-3531**
In New York State and International: **212-532-1660**
Call 9:00am-5:00pm Eastern time, Monday-Friday
NOTE: All reservations must be guaranteed by a credit card.

#	HOTEL	RATED	RATES FROM:
1	Allegro Hotel, A Kimpton Hotel	D	\$149
2	Allerton Hotel	D	\$145
3	Ambassador East	D	\$117
4	Avenue Hotel Chicago (fmrly Radisson Hotel & Suites)	D	\$139
5	Chicago City Centre Hotel and Sports Club	S	\$145
6	Chicago's Essex Inn	M	\$109
7	Chicago Marriott Downtown Magnificent Mile	D	\$176
8	Conrad Chicago	D	\$179
9	Courtyard by Marriott/Magnificent Mile	D	\$153
10	Courtyard Chicago Downtown River North	D	\$143
11	The Drake Hotel	D	\$169
12	Embassy Suites Chicago Downtown-Lakefront	S	\$169
13	Fairfield Inn and Suites	M	\$139
14	The Fairmont Chicago	D	\$170
15	Four Seasons Hotel Chicago	L	\$205
16	Hampton Inn and Suites Chicago Downtown	S	\$129
17	Hampton Majestic	S	\$139
18	Hilton Chicago	S	\$164
19	Hilton Garden Inn Chicago Downtown	SOLD OUT	\$129
20	Hilton Suites Chicago/Magnificent Mile	S	\$149
21	Holiday Inn Chicago Mart Plaza	S	\$139
22	Homewood Suites by Hilton	S	\$149
23	Hotel 71	S	\$164
24	Hotel Sax Chicago	D	\$151
25	Hyatt Regency Chicago	D	\$129
26	Hyatt Regency McCormick Place	SOLD OUT	\$204
27	Inn of Chicago Magnificent Mile	S	\$118
28	InterContinental Chicago	D	\$169
29	Omni Chicago Hotel	D	\$174
30	Peninsula Chicago	L	\$223
31	Renaissance Chicago Hotel	D	\$188
32	Residence Inn by Marriott Magnificent Mile	S	\$166
33	Residence Inn Chicago Downtown River North	S	\$165
34	The Ritz Carlton Hotel Chicago	L	\$205
35	Sheraton Chicago Hotel and Towers	D	\$174
36	Springhill Suites Chicago Downtown River North	S	\$145
37	Swissotel Chicago	D	\$176
38	The Tremont	M	\$125
39	W Chicago Lakeshore	D	\$169
40	Westin Chicago River North	D	\$176
41	Westin Michigan Avenue	D	\$176
42	Wyndham Chicago	D	\$159

Ratings: L = Luxury, D = Deluxe, S = Superior, M = Moderate • Rates do not include tax

FREE AHR Expo Shuttle Bus Service to/from Show Hotels

 Free shuttle bus service will operate between McCormick Place and all of the hotels on the show housing program. Check your hotel lobby for schedule.

Hours of Operation:

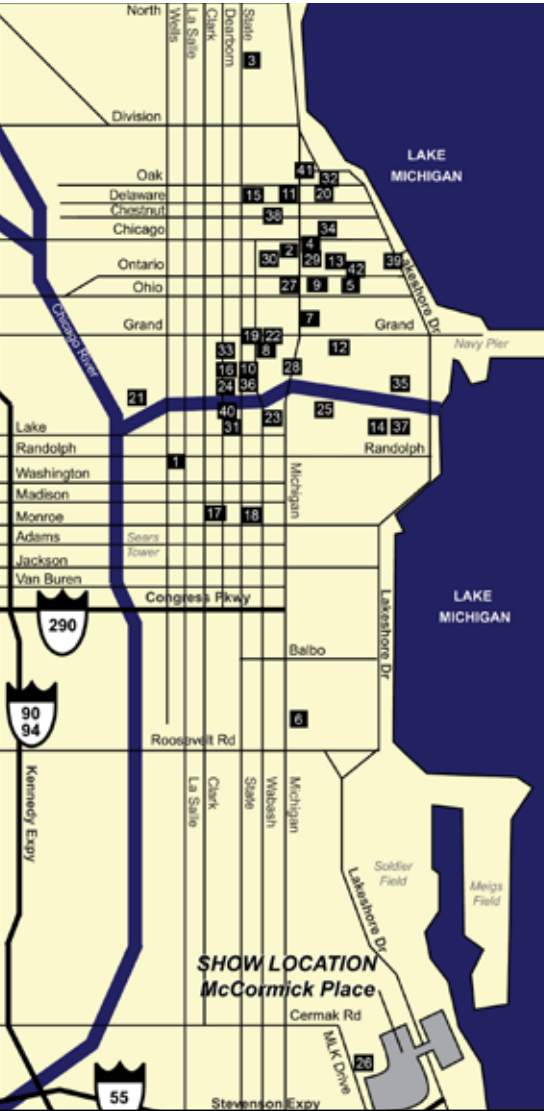
Monday, January 267:30am-7:00pm*
Tuesday, January 278:30am-7:00pm*
Wednesday, January 288:30am-6:00pm*

*NOTE: Mid-day service will not be available. Shuttle buses run on a regular morning and late afternoon schedule but are subject to City traffic.

Airline Discounts

American Airlines, Continental Airlines and JetBlue have been selected as the Official Show Airlines and will be offering visitors special discounts on domestic and some international travel to the AHR Expo. Restrictions may apply.

- American Airlines** 5% off lowest discounted fare. (9% discount will apply if booked 60 days in advance). Reservations can be made online at www.aa.com. Use discount code: **A1419AD**.
- Continental Airlines** 2%-15% off lowest discounted fare and 3% bonus discounted if booked online. Reservations can be made online at www.continental.com. Use discount code: **ZD06CK3Q26**.
- jetBlue AIRWAYS** 5% discount. Reservations can be made at www.jetblue.com/promo. Use code: **AHREXPO** (all uppercase).



Airport Shuttle Service
In addition to regular taxi service, GO Airport Express departs every 10-15 minutes from O'Hare and Midway baggage claim. For rates and to make a reservation go to: www.airportexpress.com.

Train Discounts
 is providing a 10% discount on rail service to Chicago. Call them at **(800) 872-7245** to obtain details and rates. When calling refer to discount code: **X785-937**.

Car Rental Discounts
Hertz discounts are available by calling **(800) 654-2240** or visiting their website at www.hertz.com. When obtaining rates and details, refer to discount code: **CV# 02H20012**.

Onsite Parking
Parking lots are in close proximity and walking distance to the convention complex and are open throughout event hours. Lot A, closest to the Show, is off of Martin L. King Drive. Overnight parking is not available. Parking fees can be paid by cash or credit card; VISA, MasterCard and American Express are accepted.



Chicago After Hours
Whether you're looking for area attractions, museums, restaurants, entertainment, nightlife, and more, Chicago has it all. With so much to see and do, the best place to start is at: www.meetinchicago.com



AHR EXPO[®]

January 26-28, 2009

McCormick Place
North & South Halls
Chicago, Illinois

Co-sponsors:



Honorary sponsor:



Endorsed by: AABC • ABMA • AFE • AMCA • BI • BPI • CABA • CTI • GreenMech • GWAC •
HARDI • HVI • IAQA • IIR • LMA • MCAA • MSCA • NADCA • NAFA • NATE • NEBB • PHCC •
REHVA • RETA • RPA • RSES • SMACNA • SPIDA • TABB • USGBC • ZigBee

FREE ADVANCE SHOW REGISTRATION

For free registration, this form must be received by December 19th to be processed. After December 19th you must register on-site for \$20. Be sure to fill out all sections (A, B, C, D and E). Incomplete or late forms will be returned to sender.

A. NAME AND ADDRESS (Please type or print clearly)

CODE: PRE

Name _____

Title/Function _____

Company _____

Address _____

City/State/Zip _____

Country _____

Phone _____

Fax _____

E-mail _____

B. ARE YOU...

ASHRAE Member Yes ☐ No ☐

First-time Visitor Yes ☐ No ☐

C. BUSINESS FOCUS

(Circle all that apply)

01 Residential

02 Commercial/Institutional

03 Industrial

D. TYPE OF BUSINESS (Circle One)

06 Mechanical Contractor

07 HVAC&R Contractor

08 Plumbing Contractor

09 Other Primary Contractor
(specify) _____

10 Consulting Engineering

11 Plumbing Engineering

12 Architectural Firm

13 Design/Build Firm

14 Facility/Building Management/
Operations

15 Wholesaler/Distributor

16 Importer/Exporter

17 Industrial Plant

18 Manufacturer's Agent/Rep

19 Manufacturer of HVAC&R
and allied equipment and components

20 Public Utilities/Government

21 Publishing/Press

22 Education

23 Spouse/Guest

24 Other (specify) _____

E. JOB TITLE/FUNCTION (Circle One)

26 Management
(Owner, Pres., VP, Mgr., etc.)

27 Engineer

28 Architect

29 Research/Product Design &
Development

30 Operations/Maintenance

31 Technician

32 Project Manager

33 Purchasing

34 Sales

35 Editor/Publisher

36 Faculty/Student

37 Spouse/Guest

38 Other (specify) _____

No one under 16 admitted. • 16-17 must be accompanied by an adult.
Only one registration per form. • This form may be duplicated.

MAIL OR FAX BY DECEMBER 19TH TO: 2009 AHR EXPO
P.O. BOX 3867, FREDERICK, MD 21705 • FAX: (301) 694-5124

Opportunity Knocks... at the Largest HVAC&R Event of the Year!

☐ See all the latest
Energy Efficient, Sustainable
Technology, Green Building
Products and more

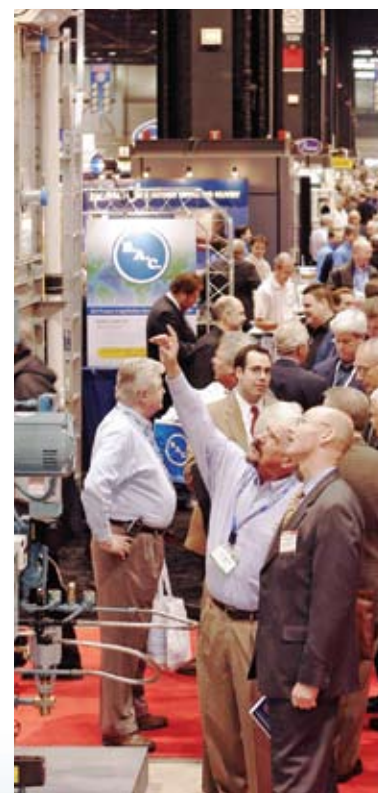
☐ Meet with your vendors and
new suppliers — over 1,800
Exhibitors from 33 Countries

☐ Learn industry best-practices
in free educational sessions

☐ Find cost-efficient solutions
to your most demanding
projects

REGISTER TODAY —
SAVE \$20 ONSITE FEE
OR REGISTER FREE ONLINE:

www.ahrexpo.com



AHR EXPO

15 Franklin Street
Westport, CT 06880

PRSRT STD
US Postage
PAID
East Greenville, PA
Permit #807