> Brand Information Guide

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PM Engineer - The must-read resource for engineering excellence

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Low-temperature heat emitters

2014 Greenbuild Recap

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A DOP PUBLICATION

Greenbuild light

Exhibitors say interest in sustainable construction still strong despite low turnout at trade show.



MEP Engineer Shawn Wilson of Interface Engineering in San Francisco watches Jeff Turner of McElroy Manufacturing butt-weld polypropylene pipe during a product demonstration in Aquatherm's booth Oct. 23 at Greenbuild in New Orleans. The tool, McElroy's Acrobat 160, allows installers to work in tight spaces.

xhibitors at the 2014 Greenbuild attributed the frequently light traffic on the show floor Oct. 22-23 to a number of factors: educational workshops being conducted during trade show hours; declining attendance at trade shows in general; and the location of the event in New Orleans. Exhibitors did not, however, equate the turnout to a waning interest in green buildings. They say interest in sustainable construction among industry professionals remains as strong as ever.

Numbers released by the show's producers state that 17,507 people attended Greenbuild this year. Exhibiting companies numbered 552 with their booths covering 142,000 sq. ft. of exhibit space.

Several exhibitors say attendance should pick up next November when Greenbuild shifts to Washington, D.C. The federal government's emphasis on green buildings and the number of universities in the area should bring more people to the show.

The number of new products introduced at Greenbuild was limited. Companies that exhibit at Greenbuild do so more for branding purposes and to show their support to the committed green building professionals who attend the show, according to one exhibitor. The plumbing-and-heating manufacturers exhibiting at the show include: Aquatherm, Armstrong Fluid Technology, Kohler Co., Mitsubishi Electric, Navien, Niagara, Owens-Corning, Sloan Valve, TOTO, Uponor and Zurn.

Plumbing products

A portion of Kohler's booth addressed water safety as much as it did water savings. New to the U.S. market, faucets and shower controls from U.K.-based Rada feature digital thermostatic technology primarily in health-care applications. Kohler acquired Rada in 2001.

"Rada faucets and showers are capable of delivering precise temperature and flow while managing Legionella risk, reducing the risk of scalding and using less water," says Eoin McQuone, business director at Rada.

Kohler's booth also featured two of its sustainable systems that are being used in India and France.

In its booth, Sloan displayed its BASYS faucet platform that can be used in healthcare applications as well. One of its features is a line purge that automatically activates the faucet after a long period of non-use to eliminate stagnant water. The company also was soliciting feedback from Greenbuild attendees on a hybrid urinal that uses just 1 gal. a week, or 52 gal. a year, to flush the drain line.

TOTO unveiled its MyGreenPayback app for mobile devices, computers and smartphones. It enables consumers and construction professionals to calculate in real time their financial return on their investment and the planet's return on the environment when they purchase one of the company's plumbing products.

"We wanted to make the sustainable purchasing process easier by demonstrating our high-efficiency products' water and energy savings across their lifecycle in a format that is easy to understand," President of Operations for the Americas Bill Strang said.

Niagara Conservation showed its Hot Start Showerhead, which will be available in January 2015. The showerhead will allow users to turn on the shower at full flow while they



Michael Arny (left), president and director of Sustainable Building Services at Leonardo Academy in Madison, Wis., visits a solar-powered, closed-loop sanitation system on display Oct. 22-23 in Kohler Co.'s booth at Greenbuild in New Orleans. Kohler is partnering with the Bill and Melinda Gates Foundation and the California Institute of Technology on the system, which is currently in use in India. Also in the photo are Rob Zimmerman of Kohler Co. (center) and Clement Cid, a graduate student at Caltech.

wait for the water to heat up. Once the water reaches 95° F, the flow reduces to a trickle, which saves water, energy and money. Users will get visual confirmation when the water is hot and can press the "resume" button on the showerhead to bring the hot water back on at a flow rate of 2.0 gpm.

Heating and cooling products

Used in both plumbing and HVAC applications, Aquatherm's polypropylene-random piping systems now feature a threadless transition from PP-R pipe to copper sweated connections, for use particularly in commercial and industrial plumbing applications. Aquatherm collaborated with Sioux Chief Manufacturing, which makes the copper portion of the stub-outs that come in 1/2-in., 3/4-in., and 1-in. diameters and are 11-in., 11-in., 18-in. long respectively.

Armstrong Fluid Technology announced its single-phase motors are available on its IVS102 variable-speed controller and Design Envelope pumps up to 7.5 hp to optimize energy savings in light commercial, residential and industrial applications. The company also showed a Chiller Plant Automation System targeted at optimizing the performance of air-cooled chiller plants. The IPC 9511 streamlines plant operations and can lower operating costs, in part, by incorporating Sensorless pump speed control technology. In addition, the company released an app for iPads and other mobile devices for its ADEPT software for industry professionals to select energy-efficient pumps.

Navien's Heating Boiler, rated at 95% AFUE, was on display. It is offered in four sizes: NHB-55, NHB-80, NHB-110 and NHB-150 with turndown ratios of 7:1, 10:1, 11:1 and 15:1, respectively. Also shown was Navien's NPE-S series of condensing tankless water heaters. They supply maximum inputs from 150,000 to 199,900 Btu/hr. and efficient outputs from 148,500 to 197,900 Btu/hr. Maximum flow rates are from 8.4 to 11.1 gpm. Other features include: 1/2-in. gas pipe capability up to 24 ft.; 2-in. PVC venting up to 60 ft.; dual stainlesssteel heat exchangers; field gas convertibility; and capability to cascade up to 16 units without an external control box.

Mitsubishi Electric introduced its Hyper-Heating INVERTER MXZ multi-zone outdoor unit for residential applications. A single outdoor unit is capable of connecting up to eight indoor units, providing a solution for wholehome cooling and heating in cold-weather climates. The technology offers improved efficiency, quiet operation and decreased installation time, the company said. **pme**

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Actuators, Rotary

E60 — Electric H80 — Hydraulic P60 — Pneumatic American Valve - E60,P60 Azel Technologies — E60 Bray International — E60,H80,P60 Caleffi North America — E60 Danfoss — E60 Forum — E60,H80,P60 IPEX USA - E60,P60 Jomar Group — E60,P60 Kevin Steel — E60,P60 NIBCO — E60,P60 RuB — E60,P60 SimCo Valve Co. — E60,P60 Southern Valve & Fitting USA ----E60,H80,P60 Tapeswitch Corp. — E60 tekmar Control Systems - E60

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▼ Mestek SpacePak

Air Eliminators

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Air Handlers

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Alarms

C20 — Carbon Monoxide F40 — Fire H40 — High & Low Flow H50 — High Water Alarm L40 — Liquid Level . P60 — Pressure T20 — Temperature T40 — Temperature Systems American Granby - H50 Blue Angel Pumps — H50,L40 Boshart Industries - L40 FloodMaster - H50,L40 Froet Industries - H40, H50 Glentronics — H50 ▼ Heat-Timer Corp. — P60,T40 Leonard Valve Co. — T20 LevelGuard - H50,L40 McDonnell & Miller - H40,L40 Potter Electric Signal Co. -F40,H40,L40,P60 Powers - T40 Reliable Automatic Sprinkler Co. -F40,P60 Safe-T-Cover - T20 Zoeller Pump Co. - H50

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Balls

▼ Legend

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Basins

C20 — Catch М40 — Мор M50 — Fiberglass S20 — Sewage & Sump ABS Pumps - S20 Aero Mfg. Co. — M40 American Granby - S20 Amtekco Industries - M40 Ashland Pump - S20 Blue Angel Pumps - S20 Crane Pumps & Systems - M50,S20 LevelGuard — S20 Liberty Pumps — S20 Metropolitan Industries — S20 MIFAB - C20 Smith Mfg. Co., Jay R. — C20 Stern-Williams Co. - M40 Willoughby Industries - M40 Xerxes Corp. - M50 Zoeller Pump Co. — S20 Zurn Industries — C20,M40,M50

Bathroom Accessories

Alsons Corp. American Standard Axor California Faucets Cifial USA Culnat Danze Driptite Geberit North America





Jones Stephens JSG Oceana KWC AMERICA MAAX Bath Myson Niagara Conservation Oatey SCS Omni Brass ROHL Runtal North America Watts Water Technologies Willoughby Industries Wolverine Brass XYNC Brands Zurn Industries

Bathroom Products, ADA-Compliant

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Baths

F50 — Foot H80 — Hydrotherapeutic P40 — Plastic S20 — Sauna S40 — Sitz W40 — Whirlpool Amerec Steam — S20 American Standard - W40 H80,W40 Aqua Glass Corp. — W40 MAAX Bath — H80,W40 Omni Brass — W40 Southern Valve & Fitting USA - S20 Sterling — W40 Whitehall Mfg. — W40

Bathtubs

A20 — Acrylic C20 — Cast Iron F40 — Fiberglass M20 — Marble

P40 — Plastic S80 — Steel W40 — Whirlpool American Standard — A20,C20,S80,W40 American Standard Walk-in Baths -A20,F40,W40 Aqua Bath Co. — A20 Aqua Glass Corp. — A20,W40 Axor — A20, M20 Bootz Industries - S80 Briggs Plumbing Products - S80 Clarion Bathware — A20,F40,W40 Culnat — A20,F40,P40,S80 E.L. Mustee & Sons - F40 MAAX Bath - A20, F40, W40 Sterling - A20, F40, P40, W40 Strom Plumbing by Sign of the Crab - C20

Bends, Return

Genova Products Oatey SCS

Bidets

Alsons Corp. American Standard **Briggs Plumbing Products** California Faucets Gerber Plumbing Fixtures Omni Brass **Blowdown Control Systems** Hurst Boiler **Boiler Accessories** Brvan Boilers Centrotherm Eco Systems Hoffman Specialty Hurst Boiler Legend McDonnell & Miller The Mill-Rose Co. Schebler Chimney Systems Southern Valve & Fitting USA ▼ Webstone Co. **Boiler Feed Systems** Brvan Boilers Caleffi North America Hurst Boiler

▼ Legend

Boiler Installation Accessories AMTROL

▼ Legend Schebler Chimney Systems Watts Water Technologies

Boiler Tube Cleaners, Automatic Oatey SCS

Boilers

C40 — Commercial (Packaged)

- C60 Condominium Unit
- E40 Electric
- G20 Gas Fired

140 — Industrial (Packaged) M80 — Multifuel 040 — Oil R20 — Hot Water or Steam W50 — Wood W60 — Wood Pellets/Corn-Stoker AJAX Boiler — C40,G20 Bosch Thermotechnology Corp. -C40,G20,M80,O40,R20 Bradford White Corp. - C40 Bryan Boilers — C40,E40,G20,I40,M80,O40 Crown Boiler Co. — C40,G20,O40,R20 ▼ ECR International — E40.G20.O40.R20 The Fulton Cos. — C40,E40,G20,I40 Greenwood Clean Energy - R20,W50 ▼ Hamilton Engineering — C40,G20,I40 Harsco Industrial Patterson-Kelley -C40,G20 Heat-Timer Corp. — E40 HTP --- C40,C60,G20,R20 Hurst Boiler -C40,G20,I40,M80,O40,W50,W60 KN Series - C40,I40,R20 Laars Heating Systems Co. — C40,C60,R20 ▼ Lochinvar — C40,E40,G20,I40,R20 Marathon International - C40,G20,R20 ▼ Mestek — C40,G20,I40,M80,O40,R20 Metropolitan Industries — C40,E40,G20,I40,R20 Noritz America Corp. — G20,R20 NY Thermal — G20,O40,R20 PB Heat/Peerless Boilers C40,G20,I40,M80,O40,R20 Raypak — C40,C60,I40,R20 RBI — C40,G20,I40 Rinnai America Corp. — G20,R20 Slant Fin Corp. -C40,C60,E40,G20,O40,R20 Southern Valve & Fitting USA -----C40,G20,I40,O40,R20 Triangle Tube — C40,G20,O40,R20 U.S. Boiler Co. -C60,E40,G20,M80,O40,R20 Viessmann Mfg. Co. (U.S.) — C40,R20 Weil-McLain -C40,C60,E40,G20,I40,O40,R20 Westcast Boilers -C40,C60,G20,I40,M80,O40,R20

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Heatizon Systems Infloor Sales & Service Modine Mfg. Co. Runtal North America Southern Valve & Fitting USA Watts Radiant

Electric Snow-Melting Systems

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Enclosures, Bathtub-Shower

A20 — Acrylic F40 — Fiberglass American Standard — A20 Aqua Bath Co. — A20 Aqua Glass Corp. — A20,F40

Aqua Glass Corp. — A20,F40 Sterling — F40

Enclosures, Equipment

J.C. Whitlam Mfg. Co. Safe-T-Cover

Enclosures, Insulated

Northwestern Ohio Foam Products Safe-T-Cover Watts Water Technologies

Enclosures, Piping

DecoShield Systems IPEX USA Safe-T-Cover Zurn PEX

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Alsons Corp. American Standard Aqua Bath Co. Aqua Glass Corp. Basco Shower Enclosures E.L. Mustee & Sons Safe-T-Cover Willoughby Industries

Energy Management Systems ACT

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Exhaust/Ventilation Systems Canplas Centrotherm Eco Systems Schebler Chimney Systems

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Wolverine Brass Faucet Stems

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Faucets

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Aero Mfg. Co. - C60, H60, I40, I60, K20, K40,L20,L30,L40,L50,M40,S20,W20, W40, W50 American Standard — B20,B40,C60,D20, H60,I40,I60,K20,K40,L30,L40,M40,P80, R20,S20,S60,W20,W50 Arrowhead Brass & Plumbing — B60,C60, H60,I40,I60,L20,M40,R20,S40,W20,W40, W50 Artisan Mfg. Corp. — B40,K20,R20,S60 Axor — B20, B40, C60, D20, I60, K20, K40, S20 Blanco America - B20, D20, K20, K40 Bradley Corp. — C60,H60,I40,I60,L20,L40, L50,P80,S20 Briggs Plumbing Products - B20, B40, C60, D20,K20,K40,L40,R20,S60 California Faucets — B20,B40,D20,S60 Chicago Faucets Co. — B20, B40, C60, D20, G40,H60,I40,I60,K20,K40,L20,L30,L40, L50,M40,P80,S20,S40,S60,W20,W4,W50 Cifial USA — B40,D20,K20,L40,L50,R20, S60,W20,W50 Culnat — B40,D20,H60 Danze — B20, B40, D20, K20, K40, L30, L40, L50,M40,R20,S20,S60,W20 Delany Products -C60,H60,L20,L50,S20,S60 Delta Faucet Co. Dormont Mfg. -B20,C40,C60,G40,I60,K20,K40 E.L. Mustee & Sons - L30 Elkay Mfg. Co. — B20,C40,C60,D20,G40, H60,I40,I60,K20,K40,L20,L30,L40,L50, R20,S20,S60,W20,W40 EZ-Flo International - B40,K20 Fisher Mfg. Co. — C60,G40,H60,I40,I60, K20,K40,L40,L50,W40 FloodMaster - L30 Geberit North America - B40 Gerber Plumbing Fixtures — B20, B40, C60, D20, K20, K40, L30, L40, L50, M40, R20,S20,S60,W20 Hansgrohe — B20, B40, C60, D20, H60, I40, I60,K20,K40,W50 JMF Co. — B60,M40,S40 Just Mfg. Co. — C40,C60,G40,H60,I40,I60, K20,K40,S60 Kohler Co. KWC AMERICA — B20, B40, C60, D20, I60, K20,K40,S20,S60,W50 ▼ Legend — B60,C60,S40 Matco-Norca — B40, B60, K20, K40, L20, L30, L40,L50,S40,S60,W20 MIFAB — C60,H60,I40,I60,S40,W20 Moen — B20, B40, C60, D20, H60, I60, K20, K40,L20,L30,L40,R20,S60,W20 Mueller Industries -B20, B40, K20, K40, L50, R20, S60 Niagara Conservation — W50 Omni Brass - B40, D20, K40, R20, S20



Utility Mfg. Co. Wolverine Brass

Hand Dryers

S30 — Sensor-Operated

W20 — Warm Air Bradley Corp. — S30,W20 Mitsubishi Electric — S30 Sloan Valve Co. — S30,W20 ▼ Stiebel Eltron — S30 Zurn Industries — S30

Hand Trucks

PowerMate / L P International

Handles, Faucet

American Standard Delta Faucet Co.

▼ Gerber Plumbing Fixtures

The Keeney Mfg. Co. ▼ Moen Speakman Co. T&S Brass & Bronze Works Tomlinson Industries Watts Water Technologies Zurn Industries

Hangers & Supports, Pipe

American Granby AMTROL Aquatherm Buckaroos DecoShield Systems IPEX USA Johnson Bros. Metal Forming Co. Jones Stephens



MAPA Products Adjustable rooftop support systems, structural systems for seismic and wind-resistant installations, utility pedestals for water, gas and electricity. MIFAB

Mirrib Miro Industries PHD Mfg. Sioux Chief Mfg. Co. Tyco Fire Products Warwick Hanger Co.

Hangers, Straps & Clips, Tube

American Granby AMTROL dahl Brothers Canada Hydronic Alternatives J.C. Whitlam Mfg. Co. Jones Stephens **Legend** Oatey SCS Sioux Chief Mfg. Co. Tyco Fire Products Warwick Hanger Co. Wolverine Brass

Hangers, Strut

Johnson Bros. Metal Forming Co. Sioux Chief Mfg. Co. Warwick Hanger Co.

Head Cocks

A40 — Air B50 — Boiler Gauge G20 — Gas G30 — Gas Hose L20 — Laboratory S50 — Spring Key S70 — Steam W20 — Water ▼ Anderson Metals Corp. — A40,G20 Hoffman Specialty — S70 ▼ Holyoke Fittings — A40,G20 Jones Stephens — A40,G20 Southern Valve & Fitting USA — G20 Heads S40 — Shower

S40 — Shower S50 — Shower Bath S60 — Fire Alsons Corp. — S40,S50 American Standard — S40,S50 American Valve — S40 Axor — S40,S50 Culnat — S40,S50 Danze — S40,S50 EZ-Flo International — S40 ▼ Gerber Plumbing Fixtures — S40

Jones Stephens — S40 The Keeney Mfg. Co. — S40,S50 KWC AMERICA — S40,S50 Leonard Valve Co. — S40,S50 Midland Metal — S40 ▼ Moen — S40

Niagara Conservation — S40

Oatey SCS — S40 Omni Brass — S40,S50 Outdoor Shower Co. — S40 Powers — S40 Reliable Automatic Sprinkler Co. — S60 ROHL — S40,S50 Sloan Valve Co. — S40 Speakman Co. — S40,S50 Symmons Industries — S40,S50 T&S Brass & Bronze Works — S40,S50 Tyco Fire Products — S60 Willoughby Industries — S40 Wolverine Brass — S40 Zurn Industries — S40

Heat Exchanger, Shell & Tube

AJAX Boiler Armstrong Fluid Technology Armstrong International Bryan Boilers Cemline Corp. Diversified Heat Transfer GF Piping Systems Thrush Co. Watson McDaniel Co.

Heat Exchangers

AJAX Boiler AMTROL Armstrong Fluid Technology Armstrong International Bell & Gossett Bryan Boilers Century/Heat Controller Comfort-Aire/Heat Controller Diversified Heat Transfer **GF** Piping Systems Group Thermo HTP Hydronic Alternatives Mitsubishi Electric Taco Thrush Co. Tunstall Corp. Viega Weil-McLain

Heat Pump Water Heater

Armstrong Fluid Technology

▼ Rheem Mfg. Co.

▼ Stiebel Eltron

Heat Pumps

Armstrong Fluid Technology Bosch Thermotechnology Corp. Comfort-Aire/Heat Controller

▼ ECR International Fujitsu General America Mitsubishi Electric Roth Industries SpacePak

Heat Recovery Systems

Diversified Heat Transfer Group Thermo Thrush Co. Viessmann Mfg. Co. (U.S.)

Heat Trace Cable for Pipe

Heat Trace Products Watts Radiant

Heat Tracing Systems

Heat Trace Products Pentair Thermal Management





FlexHead Industries - F40 IPEX USA — P40 Metraflex - F40, P40 Twin City Hose - F40, P40

Kits, Faucet

Delta Faucet Co. The Keeney Mfg. Co. T&S Brass & Bronze Works **Tomlinson Industries**

Kits, Repair

D80 — Ducts F40 — Flanges P40 — Pipes T20 — Tanks T80 — Sinks, Lavatories V20 — Valves Arrowhead Brass & Plumbing - V20 Culnat — F40 Fluidmaster - V20 IPEX USA - P40 J.C. Whitlam Mfg. Co. - P40 The Keeney Mfg. Co. — T20,T80 LASCO Fittings - F40,V20 Lavelle Industries - T80,V20 ▼ Merit Brass Co. — V20

Oatey SCS - F40 Sloan Valve Co. — T80,V20 ▼ SNC Corp. — V20

Victaulic Co. - V20 Watts Water Technologies - V20 ▼ Webstone Co. — V20

Zurn Wilkins - V20

Kits, Water Test

American Granby Hercules Chemical Co. Pentair Residential Filtration Potter Electric Signal Co. Watts Radiant

Laboratories, Testing

Potter Electric Signal Co.

Laundry Trays

C10 — Cast Iron F40 — Fiberglass M50 — Molded Stone S60 — Stainless Steel S70 — Structural Foam Aero Mfg. Co. - S60 American Granby - F40 Blue Angel Pumps - F40, S70

Lavatories

E50 — Enameled Steel F40 — Fiberglass 160 — Iron M20 — Marble P40 — Plastic S60 — Stainless Steel S70 — Stone S80 — Synthetic

V40 — Vitreous China

American Standard - E50,I60,V40 Amtekco Industries - S60 Bootz Industries - E50 Bradley Corp. - S60,S80 Danze - V40 Elkay Mfg. Co. — S60 EZ-Flo International — P40 ▼ Gerber Plumbing Fixtures — V40 Niagara Conservation — V40

Sloan Valve Co. - V40 Sterling - V40 Willoughby Industries — S60,S70,S80 XYNC Brands — M20,S70,V40 Zurn Industries - V40

Lavatories, Decorative

Alsons Corp. American Standard Danze Elkay Mfg. Co. Gerber Plumbing Fixtures ISG Oceana

Kohler Co. ROHL

Lavatories, Factory

Amtekco Industries Bradley Corp. Sloan Valve Co. Willoughby Industries Zurn Industries

Lavatories, Hospital

Aero Mfg. Co. American Standard Amtekco Industries Bradley Corp. Elkay Mfg. Co. Sloan Valve Co. Willoughby Industries Zurn Industries

Lavatories, Industrial

Aero Mfg. Co. American Standard Amtekco Industries Bradley Corp. JSG Oceana Sloan Valve Co. Whitehall Mfg. Willoughby Industries Zurn Industries

Lavatories, Pedestal

American Standard Danze Gerber Plumbing Fixtures Kohler Co. ROHL Sterling

Lavatories, Prison

Aero Mfg. Co. American Standard Bradley Corp. Whitehall Mfg. Willoughby Industries Zurn Industries

Lavatories, Residential

American Standard Elkay Mfg. Co.

▼ Gerber Plumbing Fixtures ISG Oceana Niagara Conservation ROHL

Sterling **Leak Detection Equipment**

FloodMaster General Pipe Cleaners IPEX USA RIDGID Vivax-Metrotech Corp.

Lighting

C40 — Chemical S20 — Safety Tapeswitch Corp. — S20

Locators, Pipe & Septic

Electric Eel ▼ General Pipe Cleaners J.C. Whitlam Mfg. Co. RIDGID Vivax-Metrotech Corp. Watts Radiant

Lubricants, Pipe Gasket

Advance Products & Systems American Granby Anti-Seize Technology Black Swan Mfg. Co. LA-CO Industries Oatey SCS S.O.S. Products Co. Utility Mfg. Co.

Manifolds & Headers

P40 — Plumbing P60 — Prefabricated P70 — Valves & Fittings American Granby - P40 Aquatherm — P40 Azel Technologies - P40, P60, P70 Caleffi North America — P60,P70 ComfortPro Systems - P40,P60,P70 HeatLink Group — P40 Hydro-PEX Systems - P40, P60, P70 Hydronic Alternatives - P70 IPEX USA — P40,P60,P70 ▼ Legend — P60 Mr. PEX Systems — P60,P70 Precision Plumbing Products - P60





Thread Sealant Applicator

Black Swan Mfg. Co. Hercules Chemical Co. J.C. Whitlam Mfg. Co. S.O.S. Products Co.

Thread Sealants

American Granby Anti-Seize Technology Black Swan Mfg. Co. Hercules Chemical Co. J.C. Whitlam Mfg. Co. Jomar Group Jones Stephens The Mill-Rose Co. Oatey SCS

RectorSeal

S.O.S. Products Co. Spears Mfg. Co. Utility Mfg. Co. Wolverine Brass

Threaders

▼ Reed Manufacturing Co. RIDGID ROTHENBERGER USA

▼ Wheeler-Rex

Timers, Electric

AquaMotion Arrowhead Brass & Plumbing tekmar Control Systems Watts Radiant

Timers, Mechanical

AquaMotion

Toilet Accessories

Jones Stephens Niagara Conservation Oatey SCS Wolverine Brass Zurn Industries

Toilet Base Plates

Oatey SCS

Toilet Flushing Systems

P60 — Pressure-Assisted American Standard — P60 Flushmate — P60 ▼ Gerber Plumbing Fixtures — P60

Zurn Industries — P60

Toilet Seats

A50 — Anti-Microbial C50 — Commercial H20 — Handicapped I50 — Institutional R30 — Residential American Standard — A50,C50,H20,I50,R30 Bemis Mfg. Co. — C50,H20,I50,R30 Culnat — H20,I50,R30 Jones Stephens — A50,C50,H20,I50,R30 The Keeney Mfg. Co. — H20 Wolverine Brass — C50,I50,R30 Zurn Industries — C50,I50

Toilets

Acorn Engineering Co. American Standard Artisan Mfg. Corp. Culnat Danze Flushmate ▼ Gerber Plumbing Fixtures Kohler Co. Niagara Conservation ROHL Willoughby Industries Wolverine Brass Zurn Industries

Toilets, Vacuum

Briggs Plumbing Products Willoughby Industries

Tool Boxes

The Mill-Rose Co.

Tool Cases

Irwin Industrial Tools

Tools

A80 — Auger C20 — Cast Iron Pipe C40 — Clamping C50 — Conduit D60 — Drilling & Tapping F20 — Fastening F40 — Flaring G60 — Grooving H20 — Hand M20 — Machine P20 — PEX P30 — Pinch-Off P40 — Cleaning P50 — Pipe Handling P60 — Power/Accessories P70 — Pressure Testing P80 — Plumbing S50 — Soldering S80 — Swaging T20 — Hot/Wet T50 — Torque T80 — Tube Crimping V20 — Valve Repair W20 — Water Heater Sediment Removal W30 — Water Well Adevco Co. - P50, P70, P80, S50 American Granby -C40,H20,P20,P40,P80,W30 Anvil International - G60 Black Swan Mfg. Co. — A80,P40 Brenelle Enterprises — H20, P80, S50

ComfortPro Systems - P20 DeWalt ▼ General Pipe Cleaners — A80,P40,P80 Goss - P80,S50 Greenlee — A80,H20,P40,P60 Hilmor Hydro-PEX Systems - P20 IPEX USA — G60,P40,T80 Irwin Industrial Tools -A80,C20,C40,H20,P40,P80,S50 J.C. Whitlam Mfg. Co. - C50,H20,P40,T50 Jones Stephens — P20,P40,P80 LA-CO Industries — P40,P80 LSP Products Group - P70 Matika M. K. Morse Co. — H20, M20, P60 Midland Metal - P20, P80, T80 The Mill-Rose Co. - H20,P40 Milwaukee Tool Corp. — D60,H20 Mr. PEX Systems - F20, P20 NIBCO — P20 Oatey SCS — P80,T50 Oetiker — C40 PowerMate / L P International - M20 ▼ RectorSeal — P80 Reed Manufacturing Co. — A80,C20, C50, D60, F40, G60, H20, M20, P20, P30, P40,P50,P60,P70,P80,S50,T20,T50, T80,V20 Reliance Worldwide - C40, P20, P80, T80 RIDGID — D60,G60,H20,P40,P50,P80,T80 ROTHENBERGER USA - C20, C50, F40, G60,H20,P40,P60,P70,P80,S50,S80,T50, T80 Sioux Chief Mfg. Co. — P80 T-DRILL Industries - P40, P80, S80 Talcott Mountain Engineering -P50,P80,W30 Uponor — P20 Watts Water Technologies - T80 Wheeler-Rex — C20,D60,F20,F40,G60,H 20,M20,P40,P50,P70,P80,T20,T50,T80 Wolverine Brass - A80,H20,M20,P80 **Torches & Accessories** A20 — Acetylene L50 — L-P Gas P60 — Propane AMTROL - P60 Brenelle Enterprises - P60 Goss - A20, L50, P60 Irwin Industrial Tools - L50,P60 ROTHENBERGER USA - P60 Worthington Industries - A20,P60

Torches, Blow

Goss

Torches, Brazing, Soldering, Welding

Brenelle Enterprises

pme

Product Focus: 2014 Greenbuild Review



VRF zoning systems

Mitsubishi Electric's Hyper-Heating R2 series of variable-refrigerant flow zoning systems joins the Hyper-Heating Inverter (H2i) family of products. The flash-injection technology allows the series, available up to 16 tons, to simultaneously cool and heat down to -4° F. In addition to heating at 100% at 0°, the system can operate at 85% heating capacity down to -13° . One outdoor unit can connect to 24 indoor units and the heat pump is compatible with all City Multi indoor unit styles. The series features up to 150% connected capacity. **Mitsubishi Electric U.S. Cooling & Heating Division. www.mitsubishipro.com**

Temperature-controlled showerhead

Niagara Conservation will release its Hot Start showerhead, its latest Stealth System product offering, in January 2015. The Hot Start is a temperature-controlled, EPA- and WaterSense-certified solution that allows users to turn the shower on at full flow and wait for the shower water to heat up without being wasteful. When the water reaches 95° F, the showerhead reduces the flow to a trickle, saving the user water, energy and money. When the user is ready to get into the shower, he/she will have visual confirmation that the water is hot and can press the Resume button on the showerhead to bring the hot water back at a 2-gpm flow. **Niagara Conservation. www.niagaracorp.com**





Recycled water pipe

Aquatherm's Lilac recycled/ reclaimed water piping system is a durable and corrosion-resistant polypropylene material that is easy to design and install for applications such as toilet/drain water, rainwater collection, laundry/cleaning and irrigation. This fully recyclable environmentallyfriendly alternative to plastic and metal piping also is installed without the use of any toxic materials, glues and resins, or open flames. Lilac uses a simple heat-fusion connection to create seamless connections. Available in pipe dimensions ranging from 3/8" to 12". Aquatherm. www.aquathermpipe.com



Touchless flush toilet

Kohler adds its touchless flush technology to the company's San Souci toilet line. The toilet has a sensor mounted on the inside of the tank that will set off the flush when a hand is over it. The San Souci is a one-piece design with a compact, but elongated bowl with a seat that is more comfortable and easy to use for most adults. Featuring a 1.28-gal. flush, the toilet is WaterSense-certified to provide savings up to 16,500 gal. per year. **Kohler. www.kohler.com**

Enhanced pumps

Armstrong Fluid Technology's Design Envelope pumps now are available with single-phase motors to meet optimum efficiency and energy savings for all building loads. These pumps allow engineers to select the ideal pumping solution for the application's needs. Design Envelope pumps include sensorless variable-speed control, integration of pump and controller, and are compliant with ASHRAE 90.1 guidelines. **Armstrong Fluid Technology. www.armstrongfluidtechnology.com**

