

readers' choice awards

W I N N E R S

RSES Journal's fifth annual Readers' Choice Awards were presented during the AHR Expo in Chicago, IL, Jan. 23–25, 2012. As in previous years, the 2011 Readers' Choice Award winners were chosen by RSES Journal's readers in the form of inquiries sent via mail, e-mail, fax and online to a third-party reader-service management company. Using the reader service numbers assigned to the products listed monthly—in the form of advertisements/advertiser perks, features, product write-ups and online advertisements—the company provides a final tally for every product. Following are the top 20 products that had the highest number of reader inquiries during the 2011 calendar year.



A.O. Smith Electrical Products Co.
(a division of Regal Beloit)

The **Comfort Select-FC Motor CS89** is a brushless dc high-efficiency motor that runs off 120-V single-phase input. The motor is a direct replacement product for shaded-pole and PSC motors used in fan-coil and PTAC applications, and provides an annual savings

of up to \$180.89—a 69% savings in kilowatt hours. **Circle 1 on the reader service card.**



Aprilaire

Aprilaire's **Model 8100 whole-house ERV Ventilator** reduces unhealthy indoor-air pollutants, such as formaldehyde, VOCs,

radon, CO₂, smoke, odors, dust, bacteria and viruses, and more. It installs as part of any central heating and cooling system, reduces excess indoor humidity levels, and saves energy by effectively retaining and utilizing the energy value from indoor air. The Model 8100 ventilates homes up to 3,600 sq. ft. in size. **Circle 3 on the reader service card.**



Appion Inc.

Appion Inc.'s **MegaFlow 5/16-in. Valve Core Removal Tool** is rated to 20 microns and designed for R-410A systems.

With a 5/16-in. input and 1/4-in. output, technicians can remove the core and still connect standard 1/4-in. hose fittings to the output, eliminating the need for adapters. The tool also features a 1/4-in. gauge port for accurate pressure/vacuum readings. **Circle 2 on the reader service card.**



Arkema Inc.

Arkema's **Forane 427A and 407A Refrigerants** are the right retrofits for R-22. Arkema has expanded its HFC-refrigerant line to provide the HVACR industry with better solutions for retrofitting R-22 systems.

Forane 427A has similar operating pressures, flow rates and performs close to R-22. Forane 407A refrigerant is Copeland-approved and closely matches the cooling capacity and flow rates of R-22 at lower temperatures. Both products are non-ozone depleting, with low GWPs. **Circle 4 on the reader service card.**



Bristol Compressors International Inc.

You Spoke, We Listened. Introducing the *Benchmark VStar Variable Speed Compressor*. A variable-speed compressor designed to exceed your expectations. Ultimate efficiency, broad speed range, benchmark quality and built in the U.S.A. No need for start relay, start capacitor, run capacitor or contactor. Also features 24-V input and a two-stage thermostat. **Circle 5 on the reader service card.**



Cliplight Manufacturing Co.

Super Seal Total is the ultimate leak-solution tool for all sizes and types of systems—all in one can. Super Seal Total seals and

prevents micro leaks, eliminates 20 drops of water, prevents acid and waxing, and contains Flash UV dye to pinpoint larger leaks. Super Seal Total installs in three to five minutes and is the HVACR industry's fastest-installing sealant for R-410A systems. **Circle 6 on the reader service card.**



Danfoss Inc.

Making modern living possible. Empower your solution with Danfoss *Variable Speed Compressors*. 200TR Turbocor; 2TR Performer VSD; and 20TR Performer VSD.

The range of compressors covers all common HFC, HCFC and CFC refrigerants as well as hydrocarbons for the smaller models, and they can be used in numerous applications. **Circle 7 on the reader service card.**



Exttech Instruments Corp.

Exttech's *BR250 Wireless Video Borescope* provides easy access to hard-to-reach/concealed areas. Hold the wireless display in your hand

while positioning the borescope in tight spots. Plus, improve your inspections with up to 2 GB for video/images. Expand its versatility with a 1-m extension cable. **Circle 8 on the reader service card.**



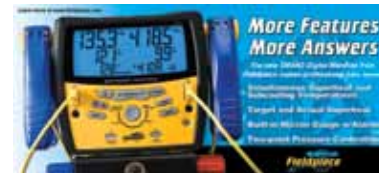
FanHandler Inc.

ECM motors were designed to modulate not for timed speed steps! (Time is for catching the bus.) The *ecMModulator* provides 100% smooth variable air for new or existing ECM systems and when taking advantage of the huge untapped market for converting PSC equipment to ECM. **Circle 9 on the reader service card.**



FasTest Inc.

FasTest's *Refrigeration Quick Disconnect* is rated at up to 750 psi. The RQD delivers safe and repeatable high-pressure connections to 1/4-in. and 3/8-in. male PCU, Hansen or similar style tips. The RQD utilizes a unique lever action, requiring minimal physical effort and adding the mechanical advantage of the lever design to open the valve. It also features a locking mechanism to prevent accidental disconnect under pressure. **Circle 10 on the reader service card.**



Fieldpiece Instruments Inc.

More features, more answers. The new *SMAN3 Digital Manifold* from

Fieldpiece makes professional jobs easier. Features include: simultaneous superheat and subcooling temperatures; target and actual superheat; built-in micron gauge with alarms; and two-point pressure calibration. **Circle 11 on the reader service card.**



FLIR Commercial Systems Inc.

Reveal Results. For your clients. For your business. Compact, lightweight and very affordable FLIR's *i5 and i7 Thermal Imaging Cameras* provide precise onscreen temperature measurement and outstanding sensitivity in a rugged, lightweight package. With FLIR, electrical diagnostics pay. **Circle 12**

on the reader service card.



Honeywell International

The *TrueCLEAN whole-house Air Cleaner* from Honeywell is installed in the central heating and cooling system, and it cleans the air going through ductwork.

The system cleans the air using three-step filtration technology. First, charged particles enter the system through ionizing points and become electrically charged. Next, particles travel into the media filter, where they are captured in the fibers. Finally, the charging strips work to destroy microorganisms inside the filter—trapping and deactivating more than 99%. **Circle 13 on the reader service card.**



Ritchie Engineering Co., Inc./ Yellow Jacket Products Division

Ritchie Engineering Co., Inc./Yellow Jacket's *Service Tools Video Series* is designed to help technicians get the best performance from their service tools.

Each DVD includes straightforward, step-by-step instructions and product demonstrations. Current titles include "Refrigerant Recovery," "Evacuation 101" and "Effective Tubing Tools Techniques." **Circle 17 on the reader service card.**



Jackson Systems, LLC

Whether upgrading a client with a new multi-stage condensing unit or heat pump, digital thermostat, or simply have a broken wire, the *WR-400 Wireless Relay Kit* from Jackson Systems can save you time, labor and money. Not enough wires? The

WR-400 Wireless Relay Kit is the solution. **Circle 14 on the reader service card.**



Testo Inc.

The industry's hottest *550/557 Refrigeration System Analyzers*...just got a whole lot cooler. Testo's 550 digital A/C and refrigeration system analyzer is for

installing, analyzing and maintaining all A/C, heat-pump and refrigeration systems. The 557 four-valve manifold with a built-in vacuum gauge is the next high-performance, low-cost refrigeration analyzer from Testo. **Circle 18 on the reader service card.**



Manitowoc Foodservice Group

Indigo Series Ice Machines make the ice-making process uncomplicated via diagnostics that provide constant and reliable monitoring of refrigeration systems. In turn, that information is used to improve energy management, set proper ice-production levels, streamline cleaning processes, ease food-

safety concerns, maintain ice quality, and quickly display up-to-date service information. **Circle 15 on the reader service card.**



Test Products International

Test the TPI Advantage: the *709 Combustion Analyzer* measures O₂, CO, temperature and pressure; the *270 Digital Clamp-On Meter* measures temperature differential using relative mode; and the *605 Digital Vacuum Gauge* measures vacuum from 25 to 12,000 microns. **Circle 19 on the reader service card.**



Rheem Manufacturing Co.

Rheem Manufacturing Co. has introduced the newly redesigned Rheem *Heating & Cooling Product Guide* featuring a new look. The piece makes it easy to find the right Rheem home-comfort solution for every customer. **Circle 16 on the reader service card.**



UEi Test Instruments

The *Eagle 2X Extended Life Combustion Analyzer Kit* eliminates the annual replacement and calibration of the O₂ sensor. Replacement with the EOS technology CO₂ sensor allows the Eagle 2X to directly measure CO₂ and calculate O₂. This lowers the cost of ownership by doing away with calibration

drifting and annual replacements typically found with O₂ sensors. Although the CO₂ sensor still requires annual calibration checks, the sensor itself has a life expectancy and is warranted for five years. **Circle 20 on the reader service card.**