

# [showcase shuffle]



## Airgas Refrigerants

Airgas Refrigerants supplies the widest selection of refrigerant gases coast to coast, including R-22, R-134a, R-404A, and R-410A, as well as all hard-to-find CFC products, such as R-12 and R-11. Our reclamation programs are the most comprehensive in the industry.

[www.airgasrefrigerants.com](http://www.airgasrefrigerants.com)



## FanHandler

FanHandler Inc.'s ecModulator modernizes present HVAC systems. An ECM motor can be installed with an ecModulator that controls blower speed in response to delivered air temperature and holds duct pressure within 0.1 in. wc in zoned systems, which increases efficiency; decreases humidity in A/C; and allows IAQ products to work at max efficiency. **Circle 117 on the reader service card.**



## Air Solution

Air Solution's Cottonwood Filter Screens stop airborne debris before it can become a problem. They are engineered for use on condensers, air-cooled chillers, air-handling units, cooling towers, wall louvers and more. Residential, commercial and industrial grades are available. They are compatible with all equipment makes and models. **Circle 115 on the reader service card.**



## Fieldpiece

Fieldpiece's wireless HG3 HVAC Guide System Analyzer and ET2W transmitter turn any Fieldpiece accessory head into wireless test meters. The system allows technicians to connect any accessory head, take measurements, adjust the system and retake measurements without redoing connections. Up to 12 parameters can be measured wirelessly at one time. **Circle 118 on the reader service card.**



## Cliplight Manufacturing

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 116 on the reader service card.**



## Jackson Systems

The WEB Comfort Communicating Thermostat System from Jackson Systems enables multiple thermostats to be wirelessly networked throughout a building or home. The system provides an easy-to-use, Web-based dashboard for programming, monitoring and control. Each WEB Comfort System is enabled for Internet connectivity and can be accessed via standard Web browser. **Circle 119 on the reader service card.**



## Danfoss

Building industry professionals ask: What are the key benefits and challenges in the design, construction and operation of high-performance commercial buildings? What programs would be most effective to motivate investment in high-performance buildings? Where is the market today and what changes need to occur to advance the development of these facilities? Download the report and read Danfoss' insights and analysis at [www.envisioning.danfoss.com](http://www.envisioning.danfoss.com).

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## Quietside

The Samsung Free Joint Multi multi-zone A/C system for residential/light-commercial applications allows 2, 3 or 4 zones to be connected to a single outdoor unit without taking up space for the condensing unit. Powered by a single Samsung Smart Inverter compressor, the outdoor unit matches to the Neo Forte High Wall, Slim Duct series, One Way Ceiling Cassette and 4-Way Ceiling Cassette indoor units with individual capacities. **Circle 120 on the reader service card.**



## RAM

Ram is fully committed to meeting the needs of small businesses and hard-working HVACR technicians and engineers. Offering a

full lineup of tough work vehicles, special financial incentives and a support organization that removes hassles and makes life easier, Ram wants to be the HVACR industry's preferred work-truck partner. **Circle 121 on the reader service card.**



## Ritchie Engineering

Ritchie Engineering Inc./Yellow Jacket's series of videos are 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 123 on the reader service card.**



## Rheem

Rheem has expanded its line of reliable and easy-to-install commercial heating, cooling and water-heating products

with the introduction of a new value line of packaged rooftop units. The units offer the right blend of value and features with industry-leading capacity, air flow and cabinet size. They also feature a best-in-class cabinet weight and refrigerant charge. **Circle 122 on the reader service card.**



## Testo

Testo's 557 four-valve manifold refrigeration system analyzer offers a built-in vacuum gauge that alerts technicians when they have reached limits while evacuating a system. It has two NTC temperature-probe inputs for simultaneous, real-time superheat and subcooling calculations. The 557 also performs leak tests on A/C and refrigeration systems with temperature compensation. It comes with two clamp probes, integrated hook, built-in hose holders and hard case. **Circle 124 on the reader service card.**

## Safety

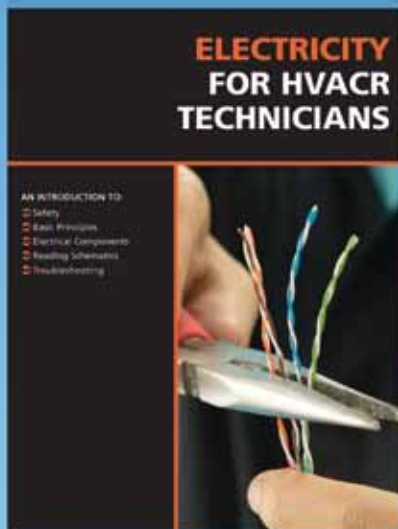
### Basic Principles

### Electrical Components

### Reading Schematics

### Troubleshooting

# Do these topics spark your interest?



Cover in-depth electrical training with the *Electricity for HVACR Technicians* manual!

**Voted #1 in the**  
*Contracting Business.com* HVAC  
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Training Category



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