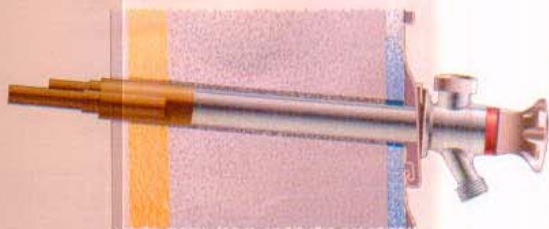




WE'VE IMPROVED THE WAY TO GET OUTDOOR HOT WATER. SINGLE-HANDEDLY.

With one easy turn of a handle, your customers can now enjoy hot, warm and cold water outside. Making Moen's single-handed sill faucet ideal for filling baby pools, washing the car or even scrubbing the family dog. Luckily for you, it's just as easy to install. Consider it the latest example of intelligent design from Moen. For other smart innovations created with you and your customers in mind, come visit us at moen.com.



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Editors choices



1 THE WALL-MOUNTED CONDENSING MASCOT BOILER offers high efficiency and versatility in a small package. The low NOx, sealed-combustion, fully-modulating system is available in three sizes: 126, 167 and 242 MBH input. The 126 MBH unit has optional DHW heating. Multiple boilers may be installed together to handle larger-sized heating loads, and can be stage-fired. Preassembled water manifolds are available for commercial, multiple-boiler installations. Features include a built-in condensate trap and auto air-elimination vent.

Laars

CIRCLE 101 ON INQUIRY CARD

2 THIS 18-V. CORDLESS COMBO KIT features two of the new Bluecore batteries as well as a 30-minute dual-bay charger. The batteries deliver 50% longer life with half the charge time, thanks in part to internal cooling rods able to absorb and dissipate potentially damaging heat and deliver an extended life cycle. The kit includes the Brute-Tough hammer drill/driver, a 6 1/2" circular saw, a reciprocating saw and flashlight. The entire kit comes complete in a soft carrying case large enough to fit other job site necessities.

Bosch

CIRCLE 102 ON INQUIRY CARD

3 THIS DIELECTRIC ISOLATION VALVE KIT is easy to install. The components ensure pump isolation and easy removal of circulators for replacement or service work by eliminating the need to drain and refill an entire hydronic system. Available sizes include 1/2" - 1 1/2" NPT and 1/2" to 1 1/2" sweat. The kit includes a brass body and chrome plated ball valve with a rotating flange for easy of alignment. All kit components are rated for 230°F and a maximum pressure of 150 psi.

Grundfos

CIRCLE 103 ON INQUIRY CARD

4 THE KARSTEN LINE OF TWO-PIECE TOILETS is available in both an elongated- and a round-bowl configuration. The gravity-fed toilet uses Dual Force flushing technology, a proprietary system that saves water while consistently removing light and bulk waste with a single flush. The user has the option of selecting one or two water levels each time the user flushes the toilet. Operated by a two-button actuator integrated into the tank lid, the user can flush either 1.6 gal., or .8 gal., to remove light or liquid waste.

Sterling

CIRCLE 104 ON INQUIRY CARD

5 THE SUCTION DIFFUSER REAR STRAINER PULLOUT is a flow straightening device that provides maximum flow efficiency at the suction inlet of the pump while at the same time reducing space and fitting requirements. It also eliminates the need for an equivalent length of ten pipe diameters of straight run on the suction side of the pump. Features include a metering port that allows for the monitoring of system conditions.

Taco

CIRCLE 105 ON INQUIRY CARD

6 THE PINNACLE OIL-FIRED HIGH EFFICIENCY CONDENSING BOILER offers direct vent, sealed combustion operation, and is 93% efficient, earning it the Energy Star rating. It is equipped with a Beckett AFG burner fueled with standard commercial grade #2 fuel oil. It operates at two firing rates, with inputs of 70,000 Btuh and 84,000 Btuh respectively. The boiler offers many control options, including multiple temperature set points for both heating and domestic hot water.

Peerless

CIRCLE 106 ON INQUIRY CARD

7 THE MONA MOBILE NAVIGATOR is a mobile phone-based navigation system that provides reliable directions for plumbing and other mechanical contractors. With a downloadable application, the system turns an ordinary mobile phone into a portable GPS system for a \$9.99 monthly fee. Clear voice prompts guide drivers with accurate, turn-by-turn driving directions to scheduled destinations. The system allows for several methods for entering destination addresses, including the ability to plan and manage trips from a business or home computer. Users can save a handy list of addresses right to their phone.

Rand McNally

CIRCLE 107 ON INQUIRY CARD

8 THE ANU PULL-OUT FAUCET has an attractively designed single control valve located near the base of the faucet. The pull-out spout rises high above the sink for greater clearance in the sink basin for washing or filling larger pots and pans. The spout adjusts easily from a steady stream to a powerful spray. The faucet features heavy pattern construction for superior fit. It is available with Chrome, Stainless Steel or Oil Rub Bronze finishes.

Danze

CIRCLE 108 ON INQUIRY CARD

9 THE RIDGID PRO PACK WET DRY VAC features a hinge lid storage system that allows the hose, power cord and accessories to conveniently store inside the unit. A 5.0 peak HP motor delivers plenty of suction power, while its 4.5 gal. drum supplies ample volume for both wet and dry debris.

Ridge Tool

CIRCLE 109 ON INQUIRY CARD

10 THE SERIES N360/N360I BRASS VACUUM RELIEF VALVES feature a low-profile, all-brass body design. They can be mounted in a vertical or horizontal position and are suitable for low pressure steam and water service. The valves are tested and rated to ANSI Z21.22. They are designed for use on domestic water heaters and supply tanks, table-top heaters, jacketed steam kettles, unit heaters, low pressure steam systems and steam coil heaters.

Watts Regulator

CIRCLE 110 ON INQUIRY CARD



Most requested products



1 THE TITAN TRIANGLE TOILET can be installed in the corner of the bathroom, giving homeowners and designers maximum space-saving functionality. The gravity-fed toilet is available in 15" plain rim bowl, 15" elongated rim, and a 17" elongated rim. Dual jet water feeds act in concert to create a fast (2.5 seconds), quiet and powerful flush.

CIRCLE 111 ON INQUIRY CARD

2 THE BIDETSPA ELECTRONIC BIDET TOILET SEAT can be fitted to almost any existing toilet bowl. Hygiene features include warm posterior wash, feminine wash and an adjustable warm air dryer. Comfort features include a heated seat and variable water temperature.

CIRCLE 112 ON INQUIRY CARD

3 THE ALESIO TOILET SEAT features the Easy Close hinge, an innovative, slow-closing hinge that needs only a forward tap for the seat and cover to slowly and quietly return to a closed position. Ideal for homes with small children, the seat is both stylish and easy to clean. The seat is offered in white or biscuit, with chrome or nickel finish for the hinges.

CIRCLE 113 ON INQUIRY CARD

4 THE SEMI-CUSTOM LUXURY SHOWER SYSTEM is an easy way to upgrade a shower with body sprays. All the technology is included in the architecture of the enclosure itself. The plumbing is encased in the threshold that forms the lip; the jet sprays are in the metal frames. It can be installed using existing supply lines for a round corner unit.

CIRCLE 114 ON INQUIRY CARD

5 THE RADIUS SERIES OF LUXURY BATHS feature lumbar jets, as well as eight hydro jets for a powerful massage. An inline heating system ensures that the water is constantly at the desired temperature. Chromotherapy lighting helps create a soothing ambience. The bath is roomy enough for two, with individual headrests.

CIRCLE 115 ON INQUIRY CARD

6 THE SUNDECK TUB can be installed in the bathroom or on the patio. The 73" X 34" acrylic tub is 18" deep. When not being used as a tub, a padded lounger folds-out to cover the top. An all-around overflow channel allows the water to reach right to the top of the bath. Excess water flows away through the integrated 3.5" overflow. The weatherproof side paneling is offered in Cherry Tree and Wenge for outdoor applications, and in Helsinki Birch, Ash Olive, Macassar and American Walnut for indoors.

CIRCLE 116 ON INQUIRY CARD

7 HIS STAINLESS STEEL SPA is constructed with three separate areas. The first is a four shoulder cradling vertical seat with foot and calf jets, the second is two loungers with full back recline and elevated knee, and the third is a hydrotherapy exercise area. It measures 60" deep.

CIRCLE 117 ON INQUIRY CARD

8 THE ANTIBES BATHTUB is 19" deep, with a 96-gal. capacity in a compact frame that can be freestanding with a base, dropped-in or undermounted. It has a fine rim that emphasizes its internal contours.

CIRCLE 118 ON INQUIRY CARD

9 THE NEOREST PROGRAMMABLE AIRBATH measures 72" X 55", making it spacious enough to accommodate two bathers comfortably. An auto-fill feature allows the user to set the bath to a predetermined temperature and water level (three individual settings may be saved). The jet valves are spring-loaded to prevent a backflow of water into the air channels.

CIRCLE 119 ON INQUIRY CARD

10 THE JONATHAN DAVID LINE OF FURNITURE VANITIES feature hand-forged wrought iron sink pedestal bases with sculpted tops carved from semi-precious honey onyx stone. Each vanity surface is unique, as no two will ever be exactly alike in pattern or coloration. A glass vessel sink sits atop each counter. The vanity measures 42" wide by 24" deep, with an approximate 5" vessel depth.

CIRCLE 120 ON INQUIRY CARD



**Was it a bored younger son and an unfortunate swirly mishap?
Or was it the corroded copper pipe?**

Chances are, it was the pipe. After all, copper tends to corrode, pit and scale, leaving homeowners vulnerable. That's why you should install a FlowGuard Gold® plumbing system. Made from durable CPVC, FlowGuard Gold pipe and fittings last longer and maintain water purity. And they're backed by the most trusted support network in the industry. Plus, they save you money, not just in materials, but in labor and time. And because they're easy to install, you reduce costly installation errors as well. So if you're looking for the ultimate in reliability, savings and support, FlowGuard Gold systems are your best choice. No doubt about it. To learn more, call 888-234-2436 or visit www.flowguardgold.com.

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FLOWGUARD GOLD
PIPE & FITTINGS
NOT A DROP OF DOUBT.



Christmas gifts wrapped in work clothes

December 22nd already — I can't wait till noon when we get off work!"

The long weekend leading to Christmas was an exciting time for Mike. Life had been racing by all year, or so it seemed. Married for just two years; wife due in three months; quit a dead-end job and landed a spot as a plumbing apprentice. They'd discussed

his job switch late into the night.

One thing he'd quickly discovered — plumbing wasn't anything like he'd seen on TV. No Billy-butt-cracks and no bumbling idiots. The work was hard, but made him feel good by day's end.

"You're with 'Red' this morning."

"C'mon kid, let's tackle a service call."

Mike had already decided he liked service calls more than the new construction side. The challenges, customer interaction and the fast pace required made the time fly by, and, there was a great deal of personal satisfaction gained by repairing customers' products.

The worksheet read, "Electric water heater: relief pops off

and reset switch trips."

"That sounds like a thermostat and relief valve need replaced, right Red?"

Red was silent for a minute.

"OK, kid, we're a 30-minute ride away from ground-zero. That town rests in a valley and they recently hooked up to city water. That water is pumped up over a hill that's about 200-ft. higher than the town's streets. The water company they hooked up to requires each service line meter to incorporate a dual-check backflow preventer. Now, what should we take along to prevent a run for materials?" Red prompted.

"Elements and thermostats?"

"OK, but why?"

Red had given Mike a gift that would last a career lifetime.

"They're hitting the reset button, and the relief valve is popping off," Mike said. "We'll remove the covers, check for 220V and then test each thermostat to see if it's working. I'm betting one or both of them is overshooting its temperature setting. If the tank is more than five years old, we'll drain it, clean out the base and install new thermostats, new elements and replace the relief valve."

"Volts?" Red responded. "Thermostats' temperature setting? That's it? You'll need to figure out if the elements are working properly. Every element is stamped with a watts rating, probably 4,500W. Watts = Amps x Volts, so if we see 220V, you simply divide 4,500 by 220 to get 20.45 amps. Clamp an amp-probe over a single wire on an active element and you'll see if it's working properly. That's also why only one element at a time can be 'on' at a time when connected to a 30A circuit. I remember that formula as ride the WAVE."

"Well, there's nothing on the worksheet about running out of hot water, so it's probably just a thermostat?" Mike asked.

"It always 'looks' simple up front, but I've given you clues you're not using. Before you jump in with both feet, you need to analyze the problems. The first thing you'll need to do is check

Turn to Christmas, page 42

NEXUS VALVE PRODUCTS

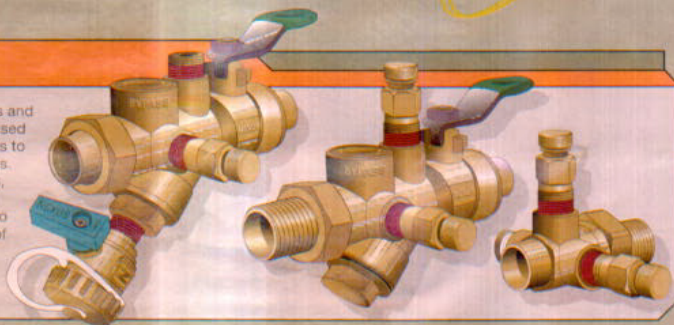
Nexus Valve offers a complete line of high quality, versatile products for the commercial HVAC industry, as well as value-added service. Nexus Coil Paks and Hose Paks offer great versatility and flexibility for HVAC applications, and Nexus' wide selection of valves, components and accessories assure a proper choice for every need.

NEXUS

VALVE

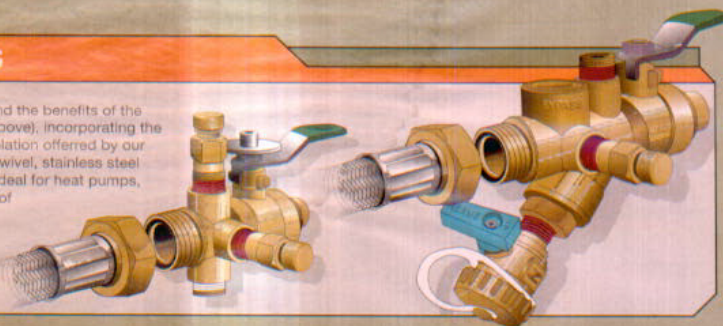
COIL PAKS

For years, contractors and manufacturers have used individual components to make piping packages. With Nexus Coil Paks, using pre-configured assemblies will help to reduce the expense of field labor as well as potential leak points.



HOSE PAKS

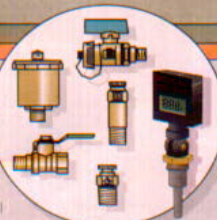
Hose Paks extend the benefits of the Coil Paks (see above), incorporating the flexibility and isolation offered by our unique double-swivel, stainless steel braided hoses. Ideal for heat pumps, or simply in lieu of hard-piping applications.



NEXTROL



More than a manual balance valve, the Nextrol offers a complete metering station with (5) accessory ports. The two 1/4", one 1/2" and two 3/4" ports eliminate the need for costly field-installed weld-o-lets. Use it as a manual balance valve or to reduce piping joints. Available 2 1/2" to 8", with grooved ends as well.



ACCESSORIES

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Step up to more profits with the new StepSaver Double-Seal Fitting from WARDFLEX. From the first time you use it, you'll always be stepping ahead to installing more feet per day, every day.

Count the steps you'll save at www.wardflex.com and win this Werner® ladder!

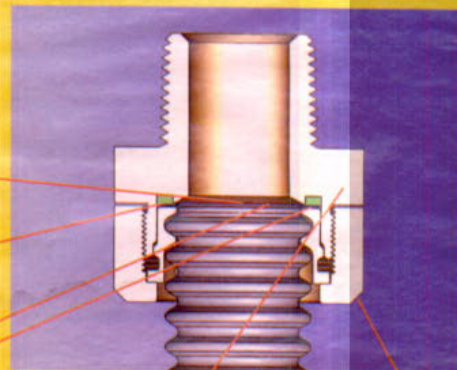


One-corrugate ring crush zone seals tight with a couple of quick turns.

Reusable gasket - allow for fast reassembly without replacing fitting components.

Double-seal metal-to-metal and metal-to-gasket dependability.

WARDFLEX®
STEPSAVER
Double-Seal Fitting



Compact design - 40% smaller, quickly fits in smaller spaces.

Lightweight, faster handling, easier storage.

First-time connection:



Step 1 - Cut WARDFLEX, remove PVC coating to expose minimum of four corrugations.



Step 2 - Slide nut over tubing and place retainer ring. Leave one corrugation exposed on the end of tubing.



Step 3 - Slide nut over retainer and hand tighten nut to body.



Step 4 - Tighten with wrenches until nut contacts body.

Time-after-time re-connections: Just repeat steps 1, 3 & 4!

Earn a free pedometer for counting the steps you will save to win a Werner stepladder.

We'll send you a free digital pedometer just for counting the steps you'll save with the new StepSaver Double-Seal Fitting. Log-on to www.wardflex.com and spend a minute taking our StepSaver quiz. Your answers will earn you a free pedometer and qualify you for a chance to win a rugged 6-ft. Werner contractor-grade stepladder (25 to be given away). Step up to your computer and visit our website today at: www.wardflex.com, or call 800-248-1027.

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