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Noritz Introduces Concentric-Vented, 180,000 BTU/h Tankless Water Heater, Featuring Eco-Friendly Design

Targeting one and two-bath homes, new whole-house NR83-DVC offers lower emissions; reduced lead, chrome and cadmium content; and easier recyclability

FOUNTAIN VALLEY, CA (July 20, 2010) — The NR83-DVC, the newest addition to the Noritz line of whole-home residential tankless water heaters, allows professional plumbing installers to make an even stronger environmental statement to cost-conscious homeowners looking to shrink their monthly fuel bills as well as their carbon footprints.

Like other tankless water heaters, the new concentric-vented NR83-DVC saves energy (Energy Factor: 0.82) and protects the environment by heating water strictly on demand, while offering a longer product life cycle than storage tank-type models. In addition, it promises lower emissions, reduced electrical consumption, smaller amounts of potentially hazardous construction materials, and easier recyclability of those materials and components once the product is removed from service.

Greener than ever: The eco-friendly design of the NR83-DVC includes the following green improvements over the previous generation of tankless water heaters:

- reduced amounts of hexad chrome in the coating of the exterior and the burner case;
- reduced amounts of lead in the water-flow servomotor, the lightning protector and the circuit board;
- reduced amount of cadmium in the inlet/outlet bracket;
- reduced consumption of standby electricity.



The eco-friendly NR83-DVC offers many green improvements over previous generations of tankless water heaters and is eligible for a \$1,500 federal tax credit

In addition, Noritz has affixed specific alpha codes to various plastic components within the NR83-DVC to help identify their material makeup when it is time to recycle the unit. For example, the polystyrene PCB cover is labeled “OS.”

“Noritz is committed to investing in technologies and products that will reduce the burdens on our environment, including atmospheric pollution,” says Bob Hitchner, Vice President - Business Development & Marketing for the Noritz America Corporation.

“We are also committed to providing our distributors and their contractor customers with the most complete lineup of whole-house tankless products on the market. The NR83-DVC allows us to achieve both goals, giving professional contractors even more options to meet the needs of their customers.”

Product specifications: With inputs ranging from 18,000 BTU per hour to 180,000 BTU/H and flow rates from 0.5 gallons per minute to 8.3 GPM, the NR83-DVC is designed specifically for one-bathroom homes in the Northeast, the Midwest and Canada, as well as two-bath residences in the Southeast and Southwest. At a 45°F rise in temperature, the unit will operate at a flow rate of 6.7 GPM, delivering water temperatures from 100°F to 140°F.

“The intermediate size of this unit enables the contractor to offer smaller homes a more affordable tankless solution, while meeting all of a household’s daily hot-water needs,” Hitchner explains.

Measuring a compact 23.6 inches x 13.8 inches x 9.4 inches, the 49-pound water heater offers these important features:

- **Low NOx, Eco-Burner™**: The NR83-DVC is the first model in the Noritz residential line to use a new, high-efficiency low-NOx Eco-Burner that reduces emissions.
- **Commercial-grade heat exchanger**: The NR83-DVC is the only tankless water heater in its category with a commercial-grade heat exchanger that features a pipe diameter 15% larger and 25% thicker than a standard residential unit. Built for higher performance as well as longer life, the NR83-DVC heat exchanger also has a larger “fixed” bypass to boost its maximum flow rate from 7.1 GPM to an industry-leading 8.3 GPM, a 17% gain in capacity over the Noritz NR71.
- **Adjustable concentric venting**: The 3-inch/5-inch, pipe-within-a-pipe construction of the Category III Stainless Steel Venting Kit reduces installation time over a two-pipe system by offering zero clearance to combustibles and by requiring only one wall penetration, not two. In addition, Noritz venting materials are fully adjustable to the length of the vent run and the number of elbows. This flexibility spares the installer from the time-consuming chore of custom-cutting and assembling lengths of pipe and fittings to build a system. Vent runs can extend up to 38 feet with no elbows; to 21 feet with three elbows. This kit can also be used with the Noritz NR98-DVC model, designed for larger residential applications, thus reducing venting-material inventories a contractor needs to fully serve the whole-home tankless water heater segment.

- Dipswitch adjustments: The NR83-DVC further simplifies the installation job by eliminating all wire connectors. Adjustments for vent length, high-elevation settings and default temperature settings can be made on a dipswitch bank that is readily accessible near the top of the circuit board inside the unit. The NR83-DVC accommodates four different high-elevation settings: standard, 2,000 feet, 4,000 feet and 6,000 feet.
- Programmable remote controller: Displaying temperatures in both Fahrenheit and Celsius, this new controller can be programmed to remind the homeowner to call for servicing at six-, 12- or 24-month intervals, but without disrupting normal operations.

Available at supply houses nationwide in early September, the new NR83-DVC is eligible for a federal tax credit of up to \$1,500. “We are targeting a late summer launch,” says Hitchner, “to give contractors and their customers plenty of time to purchase and install the NR83-DVC before the tax credit possibly expires at year-end.”

For more information on the new NR83-DVC tankless water heater and other Noritz products, visit www.noritz.com

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Hi-res versions of photographs to accompany this release are available for immediate download in .tif format by using this link:

http://oreilly-depalma.com/2010/noritz_ecofriendly_tankless_water_heater.shtml

NORITZ AMERICA CORPORATION, a subsidiary of Noritz Japan, has corporate offices in Fountain Valley, Calif., as well as in Dallas, Atlanta, Chicago and Hawthorne, N.Y. Offering a full line of tankless water heaters to meet the hot water demands of residential and commercial applications. Noritz supports its products with a national network of skilled representatives and employees who are committed to providing the finest products and services to our communities by helping consumers live in a more comfortable, efficient and healthy lifestyle.

For more information on Noritz America and the entire line of Noritz’s ENERGY STAR[®] tankless water heaters, please call (877) 986-6748 or visit our website at www.Noritz.com

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