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Cleaver-Brooks Expands Sizes and Features of Tankless HxO Water Heater

CHICAGO (Jan. 22, 2024) – Engineers at Cleaver-Brooks have expanded the sizes and features of the tankless [HxO water heater](#), designed to provide instantaneous domestic hot water supply up to 10,000 MBH without the need for additional fuel-fired or electric heating equipment.

The packaged water heater solution provides optimal energy transfer between a hydronic boiler loop and a (domestic hot water) DHW or process water loop. Heat is extracted from the boiler loop through a compact and efficient heat exchanger and is transferred to the cold domestic water supply. Each HxO model is designed for specific flow and temperature ranges on the process and boiler side, and all of the heat exchangers used in HxO models are ASME-certified, CRN-approved and NSF-372 certified.

The HxO controller continually monitors the outlet temperature of the process water or DHW side while sensing a signal to the modulating valve-actuator on the boiler side to regulate the amount of heat transfer through the heat exchanger. The IntelliFLO-enabled control maintains DHW water outlet temperature within +/- 2° F of set point during abrupt load changes.

“IntelliFLO is smart and automatic in the sense that it is always watching the domestic hot water load and anticipates the increased demand during a sudden flow change,” said Brian Huibregtse, packaged solutions sales manager for Cleaver-Brooks. “Once flow is stabilized, IntelliFLO gives control back to the main feedback PID loop. As a result, no parameters need to be adjusted by the installer or the customer.”

The HxO controller, which can be monitored and controlled remotely, features a 4.3” color touchscreen display with built-in I/O, networking and data-logging capability.

The stainless-steel brazed plate heat exchanger in the HxO is available with double- or single-wall construction. Because the heat exchanger does not have gaskets and features groove-lock connections for easy removal of the heat exchanger, the unit is easy to service and maintain.

Another benefit of the HxO is its small footprint. The HxO is one of the smallest domestic hot water systems in the industry.

(more)

Extended Sizes and Features of HxO Water Heater
Page 2

The fully packaged HxO is available in 15 different models up 210° F and 160 psi. It comes standard with two process temperature sensors, a three-way motorized valve, and an intelligent PID-based controller and several material options, including stainless steel and copper to ensure a long life.

To purchase or learn more about the HxO, contact your local [Cleaver-Brooks representative](#).

About Cleaver-Brooks

Cleaver-Brooks, a world-renowned provider of boiler room products and systems, is committed to delivering efficient solutions that help its customers and the industry reduce energy usage, cost and environmental impact. As the pioneer of packaged firetube and watertube boilers, Cleaver-Brooks is one of only a few manufacturers in the world to offer an entirely integrated boiler plant solution for any size application. Its products are backed by a world-class representative network offering superior aftermarket service and solutions. Visit cleaverbrooks.com for more information.

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