

Patterson-Kelley



Total Product Solutions
Reliability. Efficiency. Innovation.

P-K Hydronic Boilers

Suitable for new construction or replacement projects, hydronic boilers from Harsco Industrial Patterson-Kelley are small in size, but big on output.

Condensing Boilers



MACH®*

- ✓ 300 - 4000 MBTU
- ✓ Fuel Options: Natural Gas (NG), Liquid Propane (LP), Dual Fuel
- ✓ All-purpose boiler suitable for condensing and non-condensing systems
- ✓ Cast Aluminum Heat exchanger resists corrosive condensate
- ✓ Compact design fits through a standard 36" doorway
- ✓ Full modulation burner with 5:1 turndown
- ✓ Automatically compensates for changes in air temperature and pressure

AHRI
Certified
Up to
95%
efficiency



SONIC®*

Domestic Hot Water option available

- ✓ 650 - 4000 MBTU
- ✓ Fuel Options: Natural Gas (NG), Liquid Propane (LP), Dual Fuel
- ✓ Unique stainless alloys resist corrosive condensation
- ✓ Compact design fits through a standard 36" doorway
- ✓ Full modulation burner with up to 7:1 turndown
- ✓ Front accessibility reduces repair and maintenance costs

AHRI
Certified
Up to
97%
efficiency



Non-Condensing Boilers



MODU-FIRE®* FORCED DRAFT | THERMIFIC VELOX™*

Domestic Hot Water option available

- ✓ Copper Finned Tube Heat Exchanger
- ✓ Fuel Options: Natural Gas (NG) or Liquid Propane (LP)
- ✓ Compact/modular design clears 30" doorway and allows units to be installed in tandem

MODU-FIRE® Forced Draft

- ✓ 750 - 3000 MBTU
- ✓ Venting: Category II or IV
- ✓ Eliminates short cycling in high variable speed pumping systems

THERMIFIC VELOX™

- ✓ 750 - 2000 MBTU
- ✓ Venting: Category I
- ✓ Sealed combustion design eliminates large air louvers and permits boiler installation in a negative pressure environment

AHRI
Certified
Up to
88%
efficiency



Patterson-Kelley also provides water heater tanks. [Please contact your PK rep for more information](#)

***Comes standard with the industry leading NURO® Touch Screen Control System**

P-K Water Heaters

Designed with savings in mind, P-K high-efficiency water heaters maximize floor space and reduce fuel costs, providing reliable performance year-after-year.



Instantaneous Condensing Hot Water Heater



HiDRA™*

- ✓ Size Range up to 1000 MBTU
- ✓ Instantaneous condensing hot water heater with HLW Stamp
- ✓ Continuously circulating flow for consistent hot water output
- ✓ Anticipated temperature control to rapidly respond to varying flow conditions
- ✓ 5:1 Turndown

Indirect Fired Water Heaters



COMPACT®

- ✓ Recovery Rates (40°F - 140°F) --- 6 - 425 GPM
- ✓ Constant circulation by the pump improves temperature control and minimizes scale
- ✓ ANTICIPATOR® temperature control regulates hot water outlet temperatures $\pm 4^\circ\text{F}$
- ✓ Performs equally well with steam or high temperature boiler water
- ✓ High-output heater that can be configured horizontally or vertically



MACH® 'N' ROLL*

- ✓ 300 - 1050 MBTU
- ✓ Recovery Rates at 60°F ΔT --- 18 - 66 GPM
- ✓ Domestic hot water and comfort heat combined in a compact easy to maintain design
- ✓ Ideal for retrofitting old buildings
- ✓ Uses lower approach temperatures to produce domestic hot water and inhibit scale formation, thus increasing efficiency



DURATION™ III

- ✓ 0 - 85 GPM Domestic Water Demand
- ✓ High quality stainless steel brazed plate heat exchanger
- ✓ Specifically engineered to complement any condensing source
- ✓ Footprint is less than 5.5 ft²

Direct Fired Water Heaters

SONIC®* SCD SERIES | MODU-FIRE®* W SERIES | THERMIFIC VELOX™* W SERIES

Water Heater Storage Tanks

Patterson-Kelley offers small volume and large volume water heater storage tanks for storage of potable water up to 180°F. P-K tanks provide excess capacity to satisfy peak demand without peak energy requirements. Horizontal and vertical configurations are available.



SMALL VOLUME STORAGE TANK

- ✓ 80, 120, and 200 Gallon Capacities (Vertical Storage Only)
- ✓ ASME Construction

LARGE VOLUME STORAGE TANK

- ✓ 210-415 Gallon Capacities
- ✓ ASME Construction in horizontal and vertical designs

NURO®

TOUCH-SCREEN CONTROL SYSTEM

Developed in-house and equipped with the latest in boiler control technology, the NURO® Touch-Screen Control System is designed with efficiency in mind. The NURO® monitors and modulates the combustion and ignition of the boiler to maintain the desired outlet temperature, minimizing the efficiency gap between the boiler and the system. Should issues arise, system diagnostics pinpoints and troubleshoots errors, producing operation solutions and common repair suggestions.



NURO® CONNECT

With the most intuitive interface in the industry, the NURO® Connect gives you the ability to easily monitor your indoor boiler system anytime, from anywhere. Through a desktop or mobile device, quickly connect and track your system parameters for optimal efficiency.



Easy to Use:

Simple, easy to understand touch-screen technology adjusts boiler controls with a swipe of the finger for consistent and efficient operation and maintenance.



Easy to Set-up:

Intuitive software provides an enhanced user experience so you can refine control settings to your specifications and easily see the effects of your adjustments with a real-time visual analysis.



Easy to Connect:

Accessible by mobile or desktop devices, IOT gives power of embedded connectivity like never before with NURO® data continuously sent to cloud storage.

THE PATTERSON-KELLEY EXPERIENCE

Patterson-Kelley, a division of the Harsco Industrial Groups (HSC), is the leading provider and producer of hot water heating solutions serving the commercial heating industry with the best-known and most respected products in the field. With over 135 years of experience and an innovative R&D pipeline, we provide a full line of condensing and non-condensing boilers, semi-instantaneous water heaters, and an array of commercial boiler and water heating products including gas fired, dual fuel and outdoor boilers. Our customers rely on our unwavering commitment to provide the industry with the most innovative, rugged and dependable high efficiency boilers and water heaters.

Because we are continuously evolving our products, descriptions and technical data are subject to change without notice. Contact your local Harsco Industrial Patterson-Kelley representative for the most up-to-date information and product application support.

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1004905913 Rev C June 2018