P-K MACH®
High Efficiency Condensing
Aluminum Boilers

PATTERSON-KELLEY®
P-K MACH® Condensing Boilers

10:1 Mechanical Turndown Now Available

The P-K MACH® is the high-efficiency aluminum boiler of choice for a wide variety of commercial and industrial building applications, from new construction to retrofit projects. AHRI Certified up to 95% efficiency and standard with the NURO® Touch-Screen Control System with NURO® Connect, the P-K MACH® offers unmatched fuel savings.

Premium quality boilers

P-K MACH® condensing boilers feature fully independent cast aluminum heat exchangers, resulting in increased heat transfer surface for higher efficiency. The aluminum heat engine easily sheds condensate thanks to an aluminum oxide barrier that forms during use for extreme corrosion resistance.

FEATURES

✔ All-purpose boiler suitable for condensing and non-condensing systems
✔ Cast aluminum heat exchanger resists corrosive condensate
✔ Certified low NOx performance
✔ Low water-side pressure drop
✔ Full modulation burner with 5:1 turndown
   + 10:1 Mechanical turndown available on Indoor Natural Gas (NG) models C750, C900, C1050, C1500, C2000
✔ Variable speed combustion air blower
✔ Automatically compensates for changes in air temperature and pressure
✔ Certified at 3.5 inch Water Column minimum gas pressure

ADVANTAGES

✔ A viable option for existing system retrofit as well as in new installations
✔ Works well at low or high temperatures
✔ Reduces overall plant life cycle costs
✔ Enhances your system’s technical and economic performance
✔ Qualify for utility rebates
✔ Barely audible, even at high fire
✔ Actual net thermal efficiencies may be achieved up to 99%
✔ Extremely low electrical energy consumption increases potential savings

A world of savings.

Save money by choosing a high efficiency condensing boiler over an 85% efficient non-condensing boiler. Save even more when you replace outdated equipment operating at only 75% efficiency with P-K MACH® condensing boilers.
Maximize efficiency with NURO® Touch-Screen Control System

The NURO® Touch-Screen Control System with NURO® Connect provides the most intuitive interface in the industry. Designed to maximize efficiency, NURO® monitors and modulates the combustion and ignition of the boiler to maintain the desired outlet temperature. The lead/lag setup and boiler start rotation ensures run times are equally distributed across each unit in the system, extending the life of the boilers. NURO® Connect allows for peace of mind monitoring of boiler systems on your desktop or on the go via mobile devices.

Sized to get in and fit in

There’s no special rigging required to put your P-K MACH® condensing boiler in any room of your building, whether it’s the basement or the penthouse. All P-K MACH® condensing boilers fit through a standard 36 inch doorway or a standard elevator.

Our largest models (1,500,000 BTU/hr and larger) are equipped with wheels so that they can be moved by two people without a forklift. The narrow design of all P-K MACH® condensing boilers allows them to navigate corners and hallways with ease.

P-K MACH® condensing boilers are perfect for new installation and retrofit projects, requiring only 4 utility hook ups – gas, water, electric and venting.

Easy to Use:
Touch-screen interface provides simple step-by-step navigation for set-up, maintenance, custom configurations, efficiency, and more.

Easy to Set-up:
Whether installing a single boiler or cascading multiple boiler units, select from a variety of preconfigured settings for optimal system efficiency, with a simple touch.

Easy to Maintain:
Software upgrades can be made utilizing the USB port on the NURO®, thus eliminating hardware replacement and costly service calls.
### P-K MACH® Models C750, C900, C1050, C1500, and C2000 with 10:1 mechanical turndown are only available for Indoor Natural Gas (NG) applications.

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### FUEL - CAT II

- **LP** = PROPANE,
- **DF** = DUAL FUEL

**Because we are continuously evolving our products, descriptions and technical data are subject to change without notice.**

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### THE PATTERSON-KELLEY EXPERIENCE

Patterson-Kelley, a division of the SPX Corporation, is the leading provider and producer of commercial hot water heating solutions. 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.

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### Patterson-Kelley, LLC

155 Burson Street  
East Stroudsburg, PA 18301  
www.pattersonkelley.com

**Phone:** 570.476.7261  
**Toll Free:** 877.728.5351  
**Fax:** 570.476.7247

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