



**Patterson-Kelley**

## **P-K STORM™**

### **Stainless Steel Condensing Boiler**

#### **Introducing the P-K STORM™**

Built to transform the commercial boiler market, this top of the line, highly efficient condensing boiler is designed to provide long-term savings in energy cost. The P-K STORM™ water-tube boiler is considered the greatest challenge to fire-tube technology by industry experts. It operates at up to 97% thermal efficiency with 10:1 mechanical turndown capabilities.



**SIMPLIFIED SERVICEABILITY:**

HEAT EXCHANGER DOOR SWIVELS OPEN TO PROVIDE FULL ACCESS TO THE TUBES AND BURNER INSIDE THE UNIT



**SIGNIFICANTLY LOWER WATER PRESSURE DROPS:**

REDUCES COST BY REQUIRING SMALLER PUMPS AND LESS ELECTRICAL ENERGY



**10:1 MECHANICAL TURNDOWN:**

ALLOWS FLEXIBILITY TO MATCH INPUT TO BUILDING LOADS, AND DOES NOT INTRODUCE EXCESS AIR ALLOWING MAXIMUM THERMAL EFFICIENCY

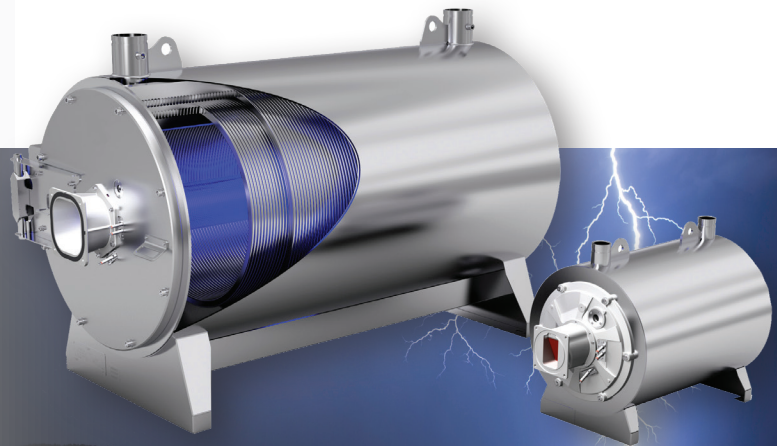
## **IS THERE A STORM IN YOUR FORECAST?**

*Get access to the most innovative and efficient water tube technology on the market.*



### **FEATURES**

- ✓ 1250-2000 MBTU
- ✓ Up to 97% thermal efficiency
- ✓ 316L Stainless steel coil ensures maximum corrosive resistance and durability
- ✓ Full modulation burner with up to 10:1 mechanical turndown
- ✓ Cabinet and heat exchanger design reduce repair and maintenance costs
- ✓ Low pressure drops across the unit



**Harsco Industrial Patterson-Kelley**

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# P-K STORM™

Taking the commercial boiler industry by *STORM*

BOILER RATINGS	ST1250	ST1500	ST1750	ST2000
EFFICIENCY	97%	97%	97%	97%
MAX BTU/HR INPUT	1,250,000	1,500,000	1,750,000	2,000,000
MAX KW INPUT	366	439.6	512.8	586
MAX BTU/HR OUTPUT	1,207,500	1,449,000	1,690,500	1,932,000
MAX KW OUTPUT	353.8	424.6	495	566
MIN FLOW @ IGNITION (GPM)	41	40	43	41
MIN FLOW @ IGNITION (LITRES/ SEC)	2.59	2.55	2.73	2.61
MIN BTU/HR INPUT	125,000	150,000	175,000	200,000
MIN KW INPUT	36	43.9	51	58.6
MIN BTU/HR OUTPUT	120,750	144,900	169,050	193,200
MIN KW OUTPUT	35	42	49.5	56.6
INDOOR/OUTDOOR	INDOOR/ OUTDOOR	INDOOR/ OUTDOOR	INDOOR/ OUTDOOR	INDOOR/ OUTDOOR
TURNDOWN	10:1	10:1	10:1	10:1
<b>FUEL</b> NG=NATURAL GAS	NG	NG	NG	NG
DIMENSIONS	ST1250	ST1500	ST1750	ST2000
DEPTH (IN / MM)	62 / 1581	62 / 1581	62 / 1581	62 / 1581
WIDTH (IN / MM)	34 / 867	34 / 867	34 / 867	34 / 867
HEIGHT (IN / MM)	59 / 1504	59 / 1504	59 / 1504	59 / 1504
OPERATING PARAMETERS	ST1250	ST1500	ST1750	ST2000
BOILER HP	36	43	50	57
MAX INLET GAS PRESSURE NG (INCHES WC)	14	14	14	14
MIN INLET GAS PRESSURE NG (INCHES WC)	3.5	3.5	3.5	3.5
SHIPPING WEIGHT (LBS/KILOS)	780 / 354	780 / 354	800 / 363	810 / 367
ELECTRICAL REQUIREMENTS	220V 1ph 60hz 10 amps	220V 1ph 60hz 10 amps	220V 1ph 60hz 15 amps	220V 1ph 60hz 10 amps
OPERATING WEIGHT (LBS/KILOS)	780 / 354	780 / 354	800 / 363	810 / 367
FLOW RATE 20°F ΔT GPM (LT / SEC)	121	146	170	194
ACCEPTABLE VENT MATERIALS	ST1250	ST1500	ST1750	ST2000
AL29-4C	✓	✓	✓	✓
316L SS	✓	✓	✓	✓
PVC	—	—	—	—
CPVC	✓*	✓*	✓*	✓*
POLYPROPYLENE <sup>NEW</sup>	*/**	*/**	*/**	*/**
CAT II	✓	✓	✓	✓
CAT IV	✓	✓	✓	✓

\*Canada: When this material is used for venting, it must be listed ULC-S6236 \*\*USA: When this material is used for venting, it must be listed UL-1738

## EQUIP OUTDOOR TECHNOLOGY

*Factory assembled and tested for outdoor installations with efficiencies up to 97% and 10:1 mechanical turndown rate.*



## NURO® Touch Screen Control System

The **P-K STORM™** comes standard with the industry leading NURO® Touch-Screen Control System and NURO® Connect App. These features provide cascading options to optimize efficiency and easily control your boiler at anytime, from anywhere.



*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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