

# P-K STORM<sup>®</sup>

## Stainless Steel Condensing Boiler



### Introducing the P-K STORM<sup>®</sup>

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

### EQUIP OUTDOOR TECHNOLOGY

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



### FEATURES

- ✓ 650-6000 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



#### **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.*



# P-K STORM®

	COMING SOON	COMING SOON	COMING SOON	Available Now	Available Now	Available Now	Available Now	Available Now	Available Now	Available Now	Available Now	COMING SOON	COMING SOON
BOILER RATINGS	ST650	ST800	ST1000	ST1250	ST1500	ST1750	ST2000	ST2500	ST3000	ST3500	ST4000	ST5000	ST6000
EFFICIENCY	96%	96%	96%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%
MAX BTU/HR INPUT	650,000	800,000	1,000,000	1,250,000	1,500,000	1,750,000	2,000,000	2,500,000	3,000,000	3,500,000	4,000,000	4,999,999	6,000,000
MAX KW INPUT	190.5	234	293	366	439.6	512.8	586	1250	732.6	1025.7	1172.2	1465.4	1758.4
MAX BTU/HR OUTPUT	624,650	765,600	964,000	1,212,500	1,455,000	1,697,500	1,940,000	2,425,000	2,910,000	3,395,000	3,880,000	4,849,999	5,820,000
MAX KW OUTPUT	184	227	284.2	355.3	426.4	497.4	568.5	710.6	852.8	994.9	1137.1	1421.4	1705.7
MIN FLOW @ IGNITION (GPM)	18	22	28	35	42	49	55	69	83	97	111	139	166
MIN FLOW @ IGNITION (LITRES/SEC)	1.14	1.4	1.8	2.2	2.6	3.1	3.5	4.4	5.3	6.1	7	8.8	10.5
MIN BTU/HR INPUT	65,000	80,000	100,000	125,000	150,000	175,000	200,000	250,000	300,000	350,000	400,000	500,000	600,000
MIN KW INPUT	19	23.4	29	36.6	43.9	51.2	58.6	73.2	87.9	102.5	117.2	146.5	176
MIN BTU/HR OUTPUT	62,465	76,560	96,400	121,250	145,500	169,750	194,000	242,500	291,000	339,500	388,000	485,000	582,000
MIN KW OUTPUT	18.5	23	28.4	35.3	42.4	49.5	56.6	71	85.2	99.4	113.7	142.1	170.6
INDOOR/OUTDOOR	INDOOR/ OUTDOOR	INDOOR/ OUTDOOR	INDOOR/ OUTDOOR	INDOOR/ OUTDOOR	INDOOR/ OUTDOOR	INDOOR/ OUTDOOR	INDOOR/ OUTDOOR	INDOOR	INDOOR	INDOOR	INDOOR	INDOOR	INDOOR
MECHANICAL TURNDOWN	10:1	10:1	10:1	10:1	10:1	10:1	10:1	10:1	10:1	10:1	10:1	10:1	10:1
FUEL NG=NATURAL GAS	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG
DEPTH (IN / MM)	61 / 1557	61 / 1557	61 / 1557	62 / 1581	62 / 1581	62 / 1581	62 / 1581	68 / 1736	68 / 1736	90 / 2286	90 / 2286	103 / 2616	103 / 2616
WIDTH (IN / MM)	27 / 681	27 / 681	27 / 681	34 / 867	34 / 867	34 / 867	34 / 867	44 / 1121	44 / 1121	44 / 1121	44 / 1121	44 / 1118	44 / 1118
HEIGHT (IN / MM)	44 / 1108	44 / 1108	44 / 1108	59 / 1504	59 / 1504	59 / 1504	59 / 1504	67 / 1697	67 / 1697	67 / 1697	67 / 1697	73 / 1854	73 / 1854
BOILER HP	19.4	23.9	29.9	36	43	50	57	72	87	101	116	149	179
MAX INLET GAS PRESSURE NG (INCHES WC)	14	14	14	14	14	14	14	14	14	14	14	14	14
MIN INLET GAS PRESSURE NG (INCHES WC)	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
SHIPPING WEIGHT (LBS/KILOS)	640 / 290	675 / 306	740 / 336	1070 / 485.3	1150 / 521.6	1220 / 553.3	1220 / 553.3	2200 / 998	2200 / 998	2600 / 1179	2600 / 1179	3200 / 1452	3200 / 1452
ELECTRICAL REQUIREMENTS	120V 1ph 60hz <8 amps	120V 1ph 60hz <8 amps	120V 1ph 60hz <8 amps	208-240V 1ph 60hz 20 amps	208-240V 1ph 60hz 20 amps	208-240V 1ph 60hz 20 amps	208-240V 1ph 60hz 20 amps	208-240/480V 3ph 60hz 20 amps	208-240/480V 3ph 60hz 20 amps	208-240/480V 3ph 60hz 20 amps	208-240/480V 3ph 60hz 20 amps	208-240/480V 3ph 60hz 25/15 amps	208-240/480V 3ph 60hz 25/15 amps
OPERATING WEIGHT (LBS/KILOS)	665 / 302	707 / 321	780 / 354	1112 / 504.3	1208 / 547.9	1305 / 592	1305 / 592	2329 / 1056	2329 / 1056	2772 / 1257	2772 / 1257	3700 / 1678	3700 / 1678
FLW RATE 20°F ΔT GPM (LT/SEC)	62 / 3.9	76 / 4.8	96 / 6	121 / 7.7	145 / 9.2	170 / 11	194 / 12	242 / 15	291 / 18.4	339.5 / 21.5	388 / 25	485 / 31	582 / 37
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

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