



P-K STORM®

Stainless Steel Condensing Boiler

Introducing the P-K STORM®

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® 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

- ✓ 1250-8000 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.



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P-K STORM®

Taking the commercial boiler industry by *STORM*

COMING
FEBRUARY

BOILER RATINGS	ST1250	ST1500	ST1750	ST2000	ST2500	ST3000	ST3500	ST4000	ST5000	ST6000	ST8000
EFFICIENCY	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	95.5%
MAX BTU/HR INPUT	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	8,000,000
MAX KW INPUT	366	439.6	512.8	586	1250	732.6	1025.7	1172.2	1465.4	1758.4	2344.6
MAX BTU/HR OUTPUT	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	7,640,000
MAX KW OUTPUT	355.3	426.4	497.4	568.5	710.6	852.8	994.9	1137.1	1421.4	1705.7	2239.1
MIN FLOW @ IGNITION (GPM)	35	42	49	55	69	83	97	111	139	166	172
MIN FLOW @ IGNITION (LITRES/SEC)	2.2	2.6	3.1	3.5	4.4	5.3	6.1	7	8.8	10.5	10.9
MIN BTU/HR INPUT	125,000	150,000	175,000	200,000	250,000	300,000	350,000	400,000	500,000	600,000	800,000
MIN KW INPUT	36.6	43.9	51.2	58.6	73.2	87.9	102.5	117.2	146.5	176	234.5
MIN BTU/HR OUTPUT	121,250	145,500	169,750	194,000	242,500	291,000	339,500	388,000	485,000	582,000	764,000
MIN KW OUTPUT	35.3	42.4	49.5	56.6	71	85.2	99.4	113.7	142.1	170.6	223.9
INDOOR/OUTDOOR	INDOOR/ OUTDOOR	INDOOR/ OUTDOOR	INDOOR/ OUTDOOR	INDOOR/ OUTDOOR	INDOOR	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
FUEL NG=NATURAL GAS	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG
DEPTH (IN / MM)	62 / 1581	62 / 1581	62 / 1581	62 / 1581	68 / 1736	68 / 1736	90 / 2286	90 / 2286	103 / 2616	103 / 2616	103 / 2616
WIDTH (IN / MM)	34 / 867	34 / 867	34 / 867	34 / 867	44 / 1121	44 / 1121	44 / 1121	44 / 1121	44 / 1118	44 / 1118	44 / 1118
HEIGHT (IN / MM)	59 / 1504	59 / 1504	59 / 1504	59 / 1504	67 / 1697	67 / 1697	67 / 1697	67 / 1697	73 / 1854	73 / 1854	73 / 1854
BOILER HP	36	43	50	57	72	87	101	116	149	179	239
MAX INLET GAS PRESSURE NG (INCHES WC)	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
SHIPPING WEIGHT (LBS/KILOS)	1070 / 485.3	1150 / 521.6	1220 / 553.3	1220 / 553.3	2200 / 998	2200 / 998	2600 / 1179	2600 / 1179	3200 / 1452	3200 / 1452	3200 / 1452
ELECTRICAL REQUIREMENTS	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 30/15 amps	208-240/480V 3ph 60hz 30/15 amps	208-240/480V 3ph 60hz 30/15 amps
OPERATING WEIGHT (LBS/KILOS)	1112 / 504.3	1208 / 547.9	1305 / 592	1305 / 592	2329 / 1056	2329 / 1056	2772 / 1257	2772 / 1257	3700 / 1678	3700 / 1678	3700 / 1678
FLW RATE 20°F ΔT GPM (LT/SEC)	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	764 / 48
AL29-4C	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
316L SS	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PVC	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
CPVC*	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
POLYPROPYLENE* ^{NEW}	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
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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