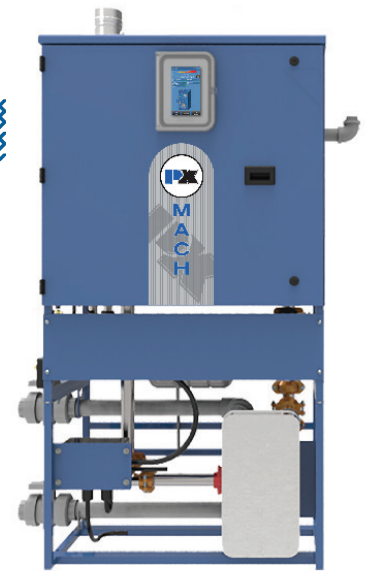


P-K MACH® ‘n’ Roll Pool Heater

Indirect Pool Heating With Comfort Heat System



Designed to produce consistent pool water temperature for a wide array of aquatic facilities. The high efficiency MACH® ‘n’ Roll boiler technology paired with pool heating capabilities is the perfect solution for all your swimming facility needs.

FEATURES

- ✓ Size Range: 300 - 1050 MBTU
- ✓ Pool water heating capacity up to 420,000 gallons with heating time at under 24 hours
- ✓ High quality stainless steel brazed plate heat exchanger
- ✓ Premium NURO® Touch Screen Control with NURO® Connect is standard
- ✓ Single wall or double wall brazed plate heat exchanger
- ✓ CPVC piping in lieu of copper piping to provide greater protection against chloride degradation
- ✓ No domestic hot water pum

ADVANTAGES

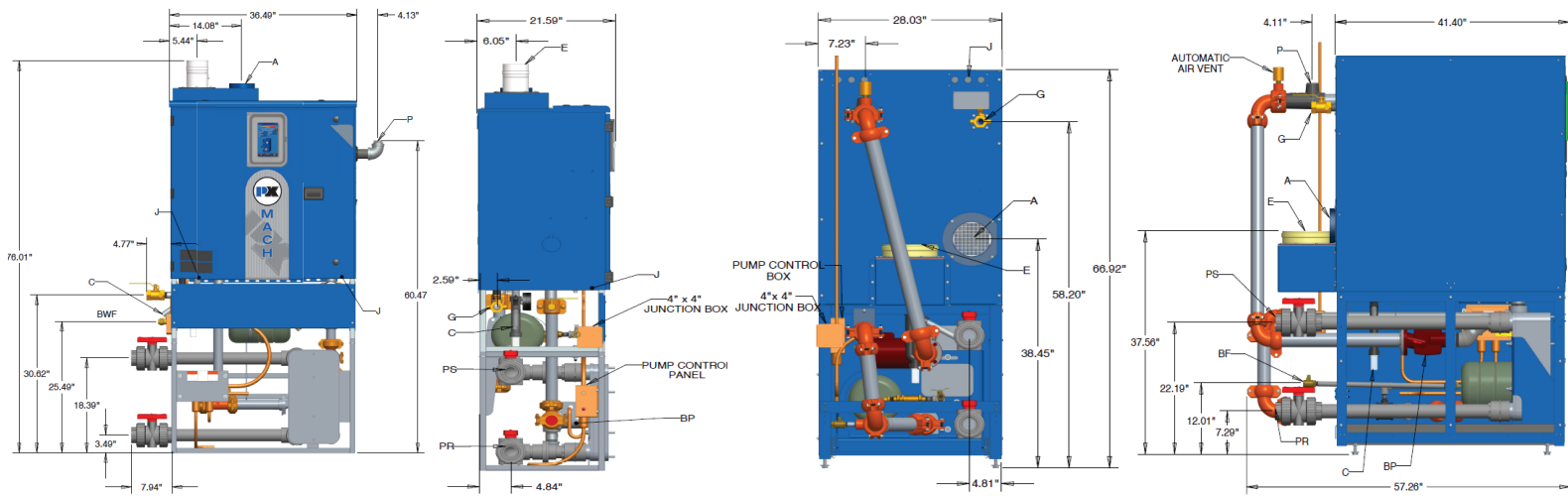
- ✓ Uses lower approach temperatures which inhibits chloride deterioration and increases efficiencies
- ✓ Boiler and pool heat exchanger loops are separated extending the life of the boiler
- ✓ Produces water up to 140°F in condensing mode for maximum efficiency and peak performance

Pool Heating and building heat combined in a compact easy to maintain design.

Not suitable for salt pools.

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Boiler Ratings and Capacities	MnRP300	MnRP399	MnRP500	MnRP750	MnRP1050
Efficiency	93.5%	93.0%	92.0%	95.0%	94.0%
Electrical Requirements	120V/1ph/60Hz	120V/1ph/60Hz	120V/1ph/60Hz	120V/1ph/60Hz	120V/1ph/60Hz
Fuel	NG, LP	NG, LP	NG, LP	NG, LP	NG, LP
Maximum Inlet Gas Pressure	14" w.c.	14" w.c.	14" w.c.	14" w.c.	14" w.c.
Minimum Inlet Gas Pressure	NG: 3.5" w.c.	NG: 3.5" w.c.	NG: 3.5" w.c.	NG: 3.5" w.c.	NG: 3.5" w.c.
	LP: 7.0" w.c.	LP: 7.0" w.c.	LP: 7.0" w.c.	LP: 7.0" w.c.	LP: 7.0" w.c.
Input, BTU/hr	300,000	399,000	500,000	750,000	1,050,000 (NG) 1,000,000 (LP)
Output, BTU/hr	280,500	371,070	460,000	712,500	987,000 (NG) 940,000 (LP)
Turndown	5:1	5:1	5:1	5:1	5:1
Dimensions (Depth x Width x Height)	22"x36.5"x77"	22"x36.5"x77"	22"x36.5"x77"	57.25"x28"x67"	57.25"x28"x67"
Operating Weight	450 lbs.	453 lbs.	453 lbs.	1125 lbs.	1225 lbs.
A.S.M.E. Section IV Boiler Design Data					
Maximum Pressure	80 psig	80 psig	80 psig	80 psig	80 psig
Maximum Temperature	250°F	250°F	250°F	250°F	250°F
Maximum Operating Temperature	194°F	194°F	194°F	194°F	194°F
Flow Rate @ 20°F	28 GPM	37 GPM	46 GPM	72 GPM	99 GPM
Flow Rate @ 40°F	14 GPM	18 GPM	23 GPM	36 GPM	49 GPM
DHW Heat Exchanger (Single and Double Wall Brazed Plate - A.S.M.E. Section VIII - Div 1)					
Maximum Pressure	150 psig	150 psig	150 psig	150 psig	150 psig
Maximum Temperature	225°F	225°F	225°F	225°F	225°F

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

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