



MASTERTEMP® AND MAX-E-THERM® HIGH PERFORMANCE ASME® CERTIFIED HEATERS

ULTRA-HIGH ASME CERTIFIED PERFORMANCE IN A COMPACT, QUIET
AND ECO-FRIENDLY DESIGN FOR YOUR COMMERCIAL APPLICATION



BENEFITS

When looking for the best performance in an ASME certified heater for your commercial applications, MasterTemp and Max-E-Therm heaters by Pentair meet all your needs.

MasterTemp and Max-E-Therm heaters deliver high performance heating in a compact design. Their modest size allows for smaller equipment pads and an overall reduction

in your equipment footprint, which helps preserve the aesthetics of your poolscope.

Don't be left out in the cold with heaters that don't measure up to the demands of a commercial installation. MasterTemp and Max-E-Therm ASME certified heaters are the informed choice when performance, size and eco-friendliness matter.

STANDARD FEATURES

- New bronze header design allows for easy access to the thermal regulator and bypass valve for service without use of special tools.
- All internal components of the bronze header are now plastic for lightweight, corrosion and wear protection.
- New redesigned blower with totally enclosed Permanent Split Capacity (PSC) Motor for tough coastal salt-air environment.
- Upgrades to thermal regulator include a governing stainless steel sleeve for better wear protection.
- .072 ASME certified fin tube walls are considered thickest in the industry.
- Military-grade coating control board weathers all coastal elements.
- Ignition Control Module includes a 3-trial for ignition before a hard lockout is initiated.
- Improved gas valve design includes more diaphragm spring force for better gas control and robust operation.
- Fully pre-mixed system with highly efficient air and gas mixture allows for faster heat up times.
- Efficiencies up to 84%.
- 2" x 2 - 1/2" CPVC plumbing features.
- Dual voltage conversion with circuit board fuse protection.
- ASME certified.
- Copper and Heavy-Duty (HD) Cupro-Nickel heat exchanger models available.

AN ECO SELECT® BRAND PRODUCT

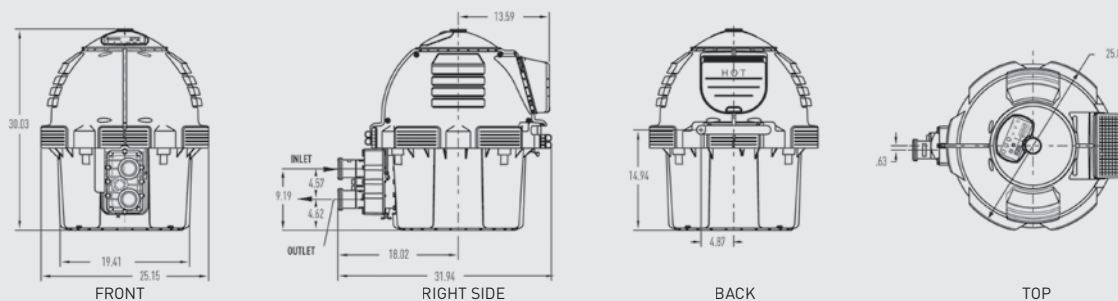
MasterTemp and Max-E-Therm heaters offer best-in-class energy efficiency. Plus, they are certified for low NOx emissions, making them eco-friendly favorites. That's why MasterTemp and Max-E-Therm heaters are Eco Select brand products.

The Eco Select brand identifies our "greenest" and most efficient equipment choices. These products save energy, conserve water, eliminate noise, or otherwise contribute to a more environmentally responsible equipment system.

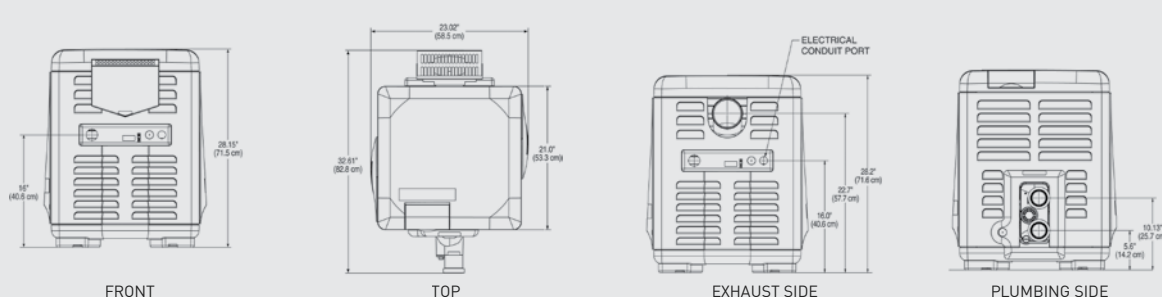


MASTERTEMP® AND MAX-E-THERM® HIGH PERFORMANCE ASME® CERTIFIED HEATERS

Max-E-Therm
Heater



MasterTemp
Heater



Pool Sizing

° F Temperature Change/24 Hrs.	Heater Size			Heater Size		
	Model 200 ASME Certified	Model 250 ASME Certified	Model 400 ASME Certified	Model 200 ASME Certified	Model 250 ASME Certified	Model 400 ASME Certified
	Pool Capacity in Gallons			Pool Surface Area in Sq. Ft. at 5.5' Depth		
5	97,383	121,729	194,766	2,364	2,955	4,727
10	48,691	60,864	97,383	1,182	1,478	2,364
15	32,461	40,576	64,922	788	985	1,576
20	24,346	30,433	48,691	591	739	1,182
25	19,477	24,346	38,953	473	591	945
30	16,230	20,288	32,461	394	493	788
35	13,912	17,390	27,824	338	423	675
40	12,173	15,216	24,346	295	369	591

Spa Sizing

Model	Spa Volume (Gallons)								
	200	300	400	500	600	700	800	900	1,000
	Minutes for 30° F Temperature Rise (Heater Input in 1,000 BTU/HR)								
200 ASME Certified	18.0	27.0	35.0	44.0	53.0	62.0	71.0	80.0	89.0
250 ASME Certified	15.8	23.5	30.5	38.5	46.5	54.3	62.0	70.0	77.8
400 ASME Certified	9.0	13.0	18.0	22.0	27.0	31.0	35.0	40.0	44.0

Note: The chart is based on a 30° F (16.6° C) temperature rise, discounting losses and only based on heat required to raise temperature in minutes.



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