

MASTERTEMP[®] AND MAX-E-THERM[®]

HIGH PERFORMANCE ASME[®]-CERTIFIED HEATERS

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 poolscape. MasterTemp and Max-E-Therm ASME-certified heaters are the informed choice when performance, size and eco-friendliness matter.

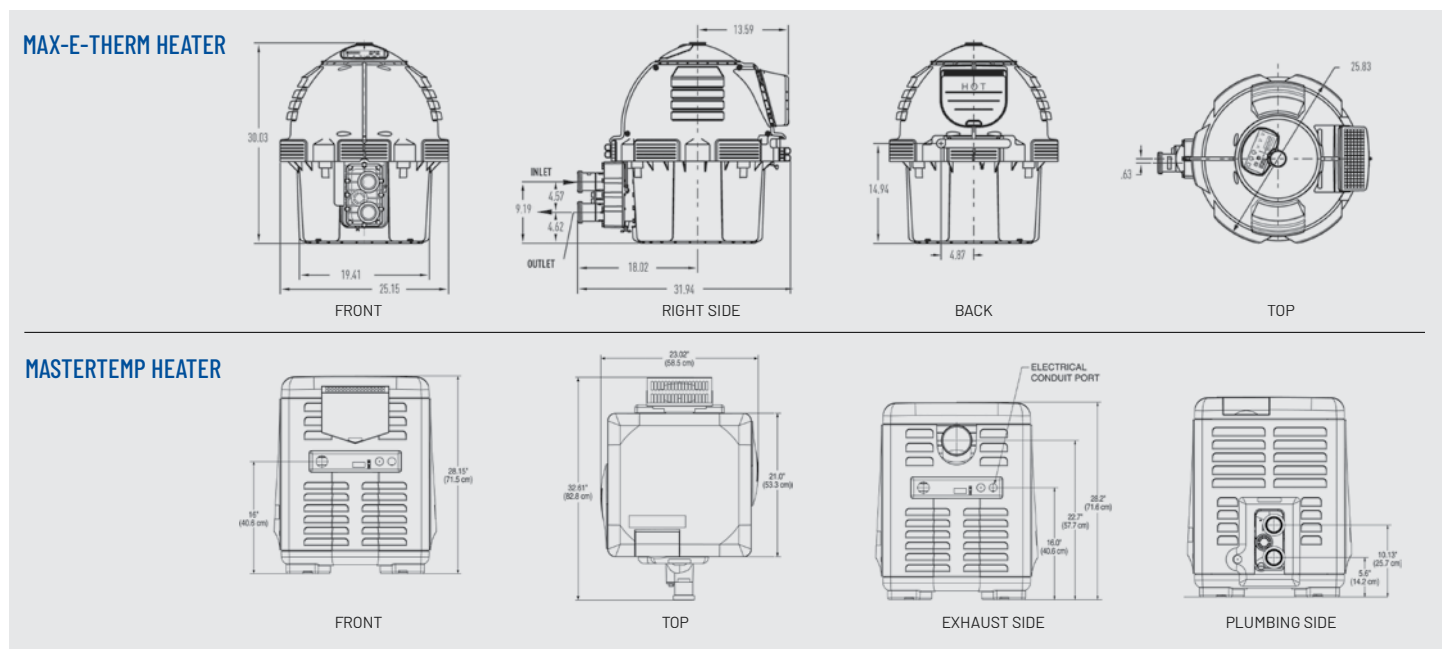
STANDARD FEATURES

- Bronze header design allows for easy access to the thermal regulator and bypass valve for service without use of special tools.
- Header components are plastic for corrosion and wear protection.
- Redesigned blower with totally enclosed Permanent Split Capacity (PSC) Motor for tough coastal salt-air environment.
- Upgrades to thermal regulator for better wear protection.
- Thickest in industry 0.072 ASME-certified fin tube walls.
- Military-grade coating control board weathers all coastal elements.
- Ignition Control Module includes a three-trial for ignition before a hard lockout is initiated.
- Improved gas-valve design for better gas control and robust operation.
- Fully premixed system with highly efficient air-and-gas mixture allows for faster heat-up times.
- 2" x 2½" CPVC plumbing features.
- Dual-voltage conversion with circuit board fuse protection.
- Certified for indoor installation with Direct Air Intake Duct KIT.
- Copper and heavy-duty (HD) cupronickel heat-exchanger models available.



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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.



The MasterTemp and Max-E-Therm High Performance ASME-Certified Heaters have earned the Eco Select® brand distinction as one of the greenest and most efficient choices from Pentair.

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