PENTAIR

MASTERTEMP®

HIGH PERFORMANCE HEATER

pentairpool.com

NO MATTER WHAT YOUR CRITERIA FOR TOP PERFORMANCE AND VALUE, THE MASTERTEMP® HIGH PERFORMANCE HEATER MEETS THEM ALL

FAST, EFFICIENT, COMPACT, QUIET, SAFE AND ECO-FRIENDLY

No matter what you're seeking in your swimming pool heater, the MasterTemp heater measures up. Compare this list of features to any other and you'll see why MasterTemp heaters are setting a new standard for total value.

- Very compact design for such a high performance heater, allows for smaller overall equipment pads that won't intrude on your poolscape.
- A fully pre-mixed system with a highly efficient air and gas mixture lets the MasterTemp heater heat up fast. No long waits before enjoying your pool or spa.
- Compare energy efficiency ratings and you'll find MasterTemp heaters at the top of the list. Comfort and economy can go together.
- With a hot surface ignition (no pilot light) and pushbutton, digital controls, the MasterTemp heater is as easy to operate as your home heating system. Plus, user-friendly indicator lights make system operation and monitoring a snap.
- The easy-to-view, rotating digital display places controls front and center, no matter how the MasterTemp heater is positioned on your equipment pad.
- MasterTemp heaters are engineered for super-quiet operation and won't intrude on your poolside leisure time.
- A tough, rustproof composite exterior handles the heat and weathers the elements.
- Eco-friendly, the MasterTemp heater is certified for low NO_x emissions and outperforms industry standards.
- Safe operation through a series of features, including: a water pressure switch that senses the pump is running to prevent overheating, high limit switches assure the heater turns off if water temperature exceeds factory-set limits, manual gas shut-off when service is required, stack flue sensor also guards against overheating.
- Approved for installation on combustible surfaces.

Don't be left out in the cold with heaters that don't measure up to today's longer list of must-have features. Insist on MasterTemp heaters and you're insisting on better performance and lifetime value.

POOL SIZING*

°F Temperature Change/ 24 Hrs.	Heater Size					Heater Size				
	Model 175	Model 200	Model 250/250HD	Model 300	Model 400/400HD	Model 175	Model 200	Model 250/250HD	Model 300	Model 400/400HD
	Pool Capacity in Gallons					Pool Surface Area in Sq. Ft. at 5.5' Depth				
5	85,210	97,383	121,729	146,075	194,766	2,069	2,364	2,955	3,546	4,727
10	42,605	48,691	60,864	73,037	97,383	1,034	1,182	1,478	1,773	2,364
15	28,403	32,461	40,576	48,692	64,922	690	788	985	1,182	1,576
20	21,303	24,346	30,433	36,519	48,691	517	591	739	887	1,182
25	17,042	19,477	24,346	29,216	38,953	414	473	591	710	945
30	14,201	16,230	20,288	24,345	32,461	345	394	493	591	788
35	12,173	13,912	17,390	20,868	27,824	296	338	423	507	675
40	10,651	12,173	15,216	18,260	24,346	259	295	369	443	591

*ASME models available. See your Pentair representative for details.

The MasterTemp heater's easy-to-read controls make system operation and monitoring simple. Pool and spa temperatures can be pre-set and controlled with the push of a button. A digital display indicates the water temperature, and five LED lights give you system status and let you know if the heater needs service.

Rotating digital display means more installation options and easier access to view operating information

Easy to install or retrofit in even the tightest space — models from 175M to 400M BTUs — all measure 21"L x 21"W x 28"H

Rustproof, tough composite exterior for long life

Available in natural gas and propane models

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 1000 BTU/HR)								
175	21.0	31.0	40.0	50.0	61.0	71.0	81.0	91.0	102.0
200	18.0	27.0	35.0	44.0	53.0	62.0	71.0	80.0	89.0
250/250HD	15.8	23.5	30.8	38.5	46.5	54.3	62.0	70.0	77.8
300	13.5	20.0	26.5	33.0	40.0	46.5	53.0	60.0	66.5
400/400HD	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. Two-year limited warranty. See warranty for details.

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WHY MASTERTEMP HEATERS ARE THE "GREENEST" CHOICE

AN ECO SELECT® BRAND PRODUCT

MasterTemp heaters offer best-in-class energy efficiency. Plus, they are certified for low NO_x emissions, making them eco-friendly favorites. That's why the MasterTemp heater is an Eco Select brand product.

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.

As the global leader in pool and spa equipment manufacturing, we strive to provide greener choices to our customers. We hope you'll join us in embracing more eco-friendly pools-capes by choosing Eco Select branded products for your swimming pool.

AVAILABLE FROM:

BEST-IN-CLASS ENERGY EFFICIENCY

- High efficiency** rating makes these heaters extremely economical to operate. If your pool heater is more than 5 years old, chances are a MasterTemp heater could quickly pay for itself in utility bill savings.
- Optimized fuel/air mix provides superior efficiency and faster heat up.

CERTIFIED FOR LOW NOx EMISSIONS

- In fact, our heaters outperform current industry standards for air pollution exhaust.

SUPER-QUIET OPERATION

BUILT TO LAST LONGER

- Tough composite exterior won't corrode; stands up to both heat and weather.

**Standard and ASME Copper Heat Exchangers 84% efficient. Heavy-Duty (HD) Cupro-Nickel Heat Exchangers 82% efficient.

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1620 HAWKINS AVE, SANFORD, NC 27330 800.831.7133 WWW.PENTAIRPOOL.COM

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