

ELECTRIC BOILERS
3 KW TO 12 KW



ULTRA & BTH



100% **COMPACT
EFFICIENT
COMFORT**

Our **mini** electric boilers are ideal for heating single-family homes and condominiums. These compact heaters can effortlessly fit into very small spaces. What's more: the boilers come in a variety of configurations, making them easy to install.



Peak-performance
heating systems



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3 KW TO 12 KW

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Accurate and easy to configure, the **mini ULTRA's UltraSmart™** controller with backlight display enables you to optimally manage the ambient temperature and substantially save on energy costs.



100% compact

Our **mini** electric boilers are renowned for their compact design. Thanks to their reduced sizes, these heating systems fit into even the smallest of spaces. In addition, the piping can be connected in multiple ways, ensuring an effortless installation.

100% efficient

Our boilers waste no energy. Producing no combustion or GHG emissions, the **mini** electric boiler is a highly energy-efficient and green alternative. Maintenance is simple and kept to a minimum. The addition of the **UltraSmart™** controller also helps to increase overall system performance.

100% comfort

Silent and discreet, **mini** electric boilers are ideal for single-family homes and condominiums. Whether you need a hydronic system to heat your basement, garage or any other type of application, the compact **mini** is the intelligent choice for heating.



MINI ELECTRIC BOILERS ARE IDEAL FOR HEATED FLOORS, RADIATORS AND HOT WATER BASEBOARDS.

OUR BOILERS CAN ALSO BE THE PERFECT SOLUTION TO COMPLEMENT YOUR EXISTING GEOTHERMAL, HEAT PUMP, BIOMASS OR SOLAR ENERGY HEATING SYSTEM.

WEIGHT 47 LB

VOLUME 1 US GALLON

MAXIMUM OPERATING PRESSURE 30 PSI

4 INLET AND OUTLET CONNECTIONS

3/4" NPT FEM.



STANDARD FEATURES

- Safety control to limit excessively high temperatures
- 120V pump power supply
- 24V electrical supply for thermostat and other accessories
- 30 PSI safety relief valve
- Drain/purge valve
- 208/240 VAC electrical supply
- Stage modulation with temperature aquastats
- Power stage modulation based on heating demands
- Indicator lights that show operation status
- ON/OFF switch
- The **UltraSmart™** controller enables users to view the boiler's operation status at a glance
- Preset configurations based on heating distribution system
- Outdoor sensor that modulates boiler water temperature
- Heating stops when outside temperature gets warmer
- "Boost" mode that automatically increases the temperature when needed
- Ability to purge the pump when system is not running

mini BTH
3 KW TO 12 KW

mini ULTRA
3 KW TO 12 KW

mini BTH

240 VAC / 60 Hz / 1 phase¹

Model	Power ²		Amps ³	Electrical Elements	Stages	Recommended electrical supply ⁴		
	kW	BTU/h				Cu Wire	Al Wire	Breaker
MINI BTH 3	3	10 236	12.5	1 x 3kW	1	12	10	20
MINI BTH 4.5	4.5	15 354	18.8	1 x 4.5kW	1	10	10	30
MINI BTH 6	6	20 472	25.0	1 x 6kW	1	8	6	40
MINI BTH 7.5	7.5	25 590	31.3	1 x 3kW + 1 x 4.5kW	2	8	6	40
MINI BTH 9	9	30 708	37.5	2 x 4.5kW	2	8	6	50
MINI BTH 12	12	40 944	50.0	2 x 6kW	2	6	4	70

mini ULTRA

240 VAC / 60 Hz / 1 phase¹

Model	Power ²		Amps ³	Electrical Elements	Stages	Recommended electrical supply ⁴		
	kW	BTU/h				Cu Wire	Al Wire	Breaker
MINI ULTRA 3	3	10 236	12.5	1 x 3kW	1	12	10	20
MINI ULTRA 4.5	4.5	15 354	18.8	1 x 4.5kW	1	10	10	30
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MINI ULTRA 7.5	7.5	25 590	31.3	1 x 3kW + 1 x 4.5kW	2	8	6	40
MINI ULTRA 9	9	30 708	37.5	2 x 4.5kW	2	8	6	50
MINI ULTRA 12	12	40 944	50.0	2 x 6kW	2	6	4	70

¹ Electrical supply 120/240V or 120/208V 1 phase (L1-N-L2) with three 90 °C conductors and a ground or two conductors and a ground if the boiler does not require a 120 VAC pump or accessories.

² Multiply by .75 for 208 VAC supply.

³ Multiply by .867 for 208 VAC supply.

⁴ The wire gauges and breaker capacity must be in conformity with the standards of the National Electrical Code (NEC), Canadian Electrical Code (CEC) and local codes (if applicable).

MULTI-POSITION INSTALLATION



15-YEAR WARRANTY
ON THE RESERVOIR

2-YEAR WARRANTY
ON ELECTRICAL AND MECHANICAL PARTS



Thermo 2000 manufactures peak-performance heating systems for domestic hot water and hydronic heating systems. Since 1978, the company's innovations have provided sustainable solutions for residential, commercial and institutional applications.

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