



ENDURAZE™

Zero-Emissions Electric
Hydronic Boiler

120 – 600 kW



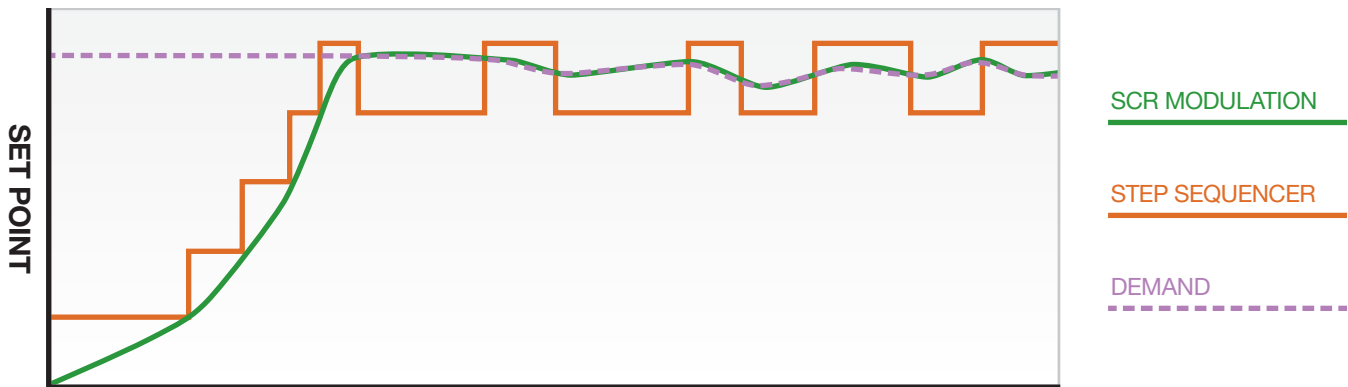
- ▶ SCR for Precise Load Matching
- ▶ PURE® Control for Staging
- ▶ Modbus or BACnet Capable



ULTRA-PRECISE LOAD MATCHING WITH SCR

ENDURA ZE™ is a rugged and long-lasting zero-emissions electric boiler built with Fulton's renowned reliability. ENDURA ZE boilers come standard with a silicone controlled rectifier (SCR) which allows for infinitely more precise load matching when compared to a traditional step sequencer. An SCR will keep loop temperatures stable, react quicker to sudden changes in the system and limit cycles on equipment.

- ▶ **Turndown up to 100:1**
- ▶ **Accurate Load Matching**
- ▶ **Reduces Excessive Cycling**
- ▶ **Increases Component Lifespan**
- ▶ **Responsive to System Changes**



COMPLEXITY SIMPLIFIED

PURE® Control provides rapid access to operating details and configuration. It efficiently sequences up to 10 boilers and eliminates the need for a master boiler or standalone panel. When a boiler is powered off, the plant seamlessly transitions to the next available stage for reliable heat you can count on.

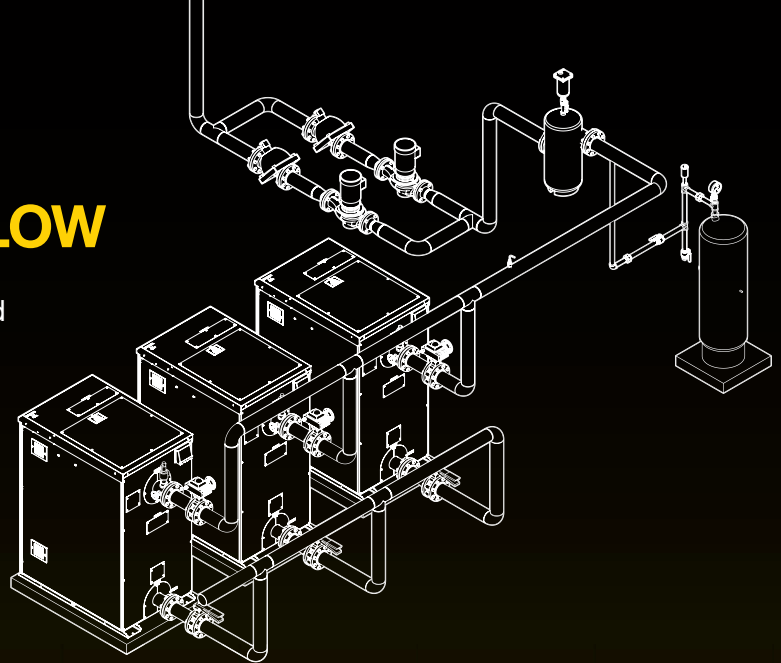
- ▶ **Outdoor Reset with Setback Mode**
- ▶ **Motorized Isolation Valve Control**
- ▶ **Variable Speed Pump Control**
- ▶ **Effortless Diagnostics**
- ▶ **Modbus / BACnet Configurable**



DESIGNED FOR VARIABLE PRIMARY FLOW

Variable primary flow is a simplified piping method which enhances temperature control, reduces design complexity, and reduces the operational cost by eliminating mechanical equipment and temperature blending.

- ▶ **No Dedicated Circulator Pump**
- ▶ **Reduced Installation Cost**
- ▶ **Smaller Plant Footprints**



BETTER BY DESIGN

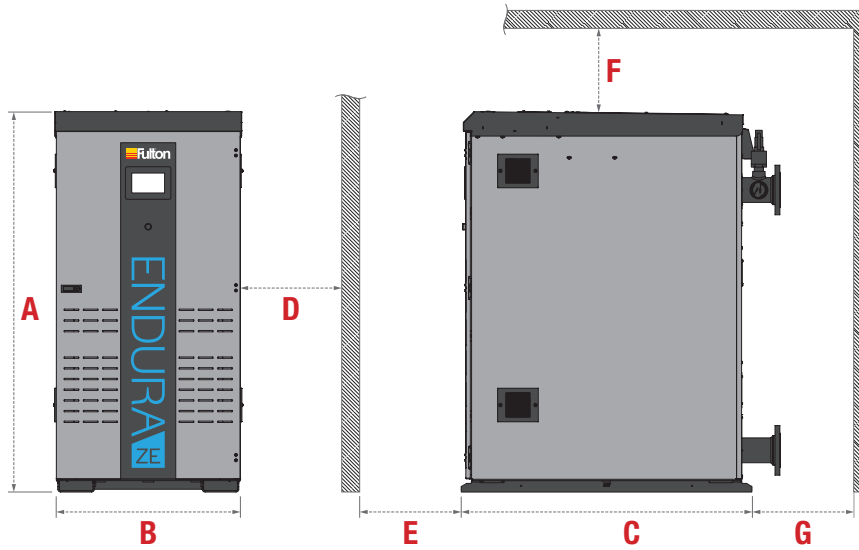
Built with a rugged and robust design philosophy, ENDURA ZE measures up to Fulton's legendary quality and reliability.

- ▶ Internal baffle arrangement promotes even flow over immersion heaters, reducing risk of overheating and scale.
- ▶ High-mass and high volume design operates with lower stresses and therefore greater durability.
- ▶ Exceptionally tolerant of varying and sometimes unpredictable system flow rates; will not be harmed by a zero flow condition.



SPECIFICATIONS & DIMENSIONS

MODEL		EZE-120	EZE-240	EZE-360	EZE-480	EZE-600
SPECIFICATIONS						
Input Capacity	kW	120	240	360	480	600
Input Capacity	MBH	410	820	1,225	1,650	2,050
FLA at 480V/3PH	AMP	146	290	435	579	723
FLA at 600V/3PH	AMP	117	232	348	463	579
Thermal Efficiency	%	99+	99+	99+	99+	99+
Turndown Ratio		100:1	100:1	100:1	100:1	100:1
DIMENSIONS						
(A) Height	IN	69	69	69	69	69
(B) Width	IN	29	33	33	33	33
(C) Depth	IN	37	52.75	52.75	52.75	52.75
CLEARANCES						
(D) Side	IN	24	24	24	24	24
(E) Front	IN	30	36	36	36	36
(F) Top	IN	49.25	49.25	49.25	49.25	49.25
(G) Rear	IN	24	24	24	24	24



* LIFETIME *
* 10 YEAR *
* 2 YEAR *

THERMAL SHOCK WARRANTY
 HEAT EXCHANGER WARRANTY
 ELEMENT BUNDLE WARRANTY

NOTE: Specifications and dimensions are approximate and for reference only. Fulton practices continuous product improvement and reserves the right to change data without notice.

Flexible Capacity Options

ENDURA ZE can be configured in increments of 30kW, allowing the customer to select a capacity that aligns with their current electrical infrastructure.

Space-Saving Design

A compact footprint allows ENDURA ZE boilers to fit through a standard door and requires only 24-inches of side clearance between boilers, freeing up valuable mechanical room space.

Simplified Electrical Safety

With a standard SCCR of 10,000A and options to meet up to 100,000A, ENDURA ZE makes retrofits easy with a straight forward path to higher short circuit current ratings without increasing the footprint of the boiler.



Call: (315) 298-5121

972 Centerville Road
Pulaski, NY 13142



fulton.com/enduraze

Drawings & documentation available online

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