



High-Performance Packaged Boiler

Australia's largest certified
package boiler company.



**The Environmental
Group Limited**
Engineering a Sustainable Future

The Environmental Group Limited

www.environmental.com.au

Working across the Circular Economy

Our Purpose

Engineering a sustainable future.

Our Mission

To enable our clients to contribute to a cleaner environment by safely delivering pivotal solutions while generating value for our shareholders, staff, and partner industries.

Our Team

Our local experts are dedicated to reducing waste and boosting energy performance. Trusted worldwide to provide the highest standards of service and support.

Tomlinson Energy Services

Part of The Environmental Group

Tomlinson Energy Services is Australia's leading provider of packaged boiler solutions, delivering the highest combustion efficiency to keep operating costs low and performance high.

We specialise in custom design, installation, commissioning, and national servicing and repairs, complemented by our 24/7 emergency support.

With offices and a dedicated service team across Australia, Tomlinson Energy Services ensures boilers operate at peak performance for maximum efficiency and reliability.



Offering Industry Leading Boilers

Fulton radically challenges the industry status quo resulting in game-changing new boiler designs including the VSRT Boiler and the ENDURA+ boiler, culminating in more than 25 new patents worldwide.

Fulton has maintained a reputation for quality and excellence since 1949. From Steam and Hydronic boilers to Thermal Fluid Heaters and Custom Engineered Systems, Fulton has a product for virtually any industrial or commercial heating application.



ENDURA + ULTRA-HIGH EFFICIENCY CONDENSING BOILER

ENDURA+[®]

Ultra-High Efficiency
Condensing Boilers

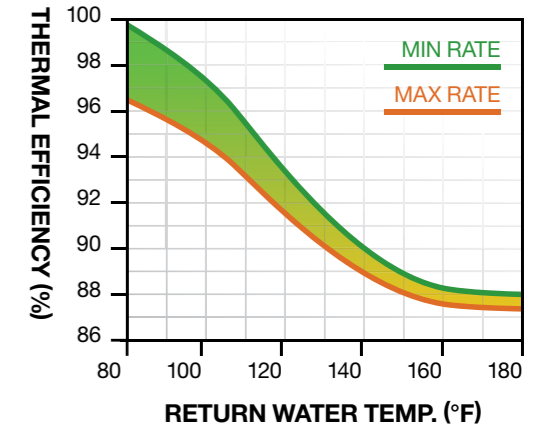
2.5 Million – 12 Million BTU/HR

- ▶ Duplex Stainless Heat Exchanger
- ▶ Flame-by-Wire[®] Combustion
- ▶ Real-Time O₂ Compensation[™]



UNCOMPROMISING PERFORMANCE

ENDURA+[®] condensing boilers provide quiet and reliable operation in a compact firetube design with efficiencies up to 99%. Our design is highly-engineered and built to last with thicker, stronger materials, and a premium fit and finish reflecting Fulton's premier quality.



Reliable Heating Peace of Mind

ENDURA+ features a long-lasting firetube heat exchanger that is built for unsurpassed durability in high-demand applications.

Lower Cost of Ownership

Cut your energy bills and operating costs with up to 99% efficiency, variable primary flow piping, and simplified maintenance.

Better Controls Reduce Fuel Costs

Exclusive Flame-by-Wire[®] combustion controls with O₂ Compensation[™] are more reliable, easier to maintain, and will reduce burner emissions.

- ★ **LIFETIME** ★
THERMAL SHOCK
WARRANTY
- ★ **10 YEAR** ★
PRESSURE VESSEL
WARRANTY
- ★ **5 YEAR** ★
BURNER
WARRANTY
- ★ **2 YEAR** ★
PARTS
WARRANTY



PURE[®] CONTROL

Complexity Simplified

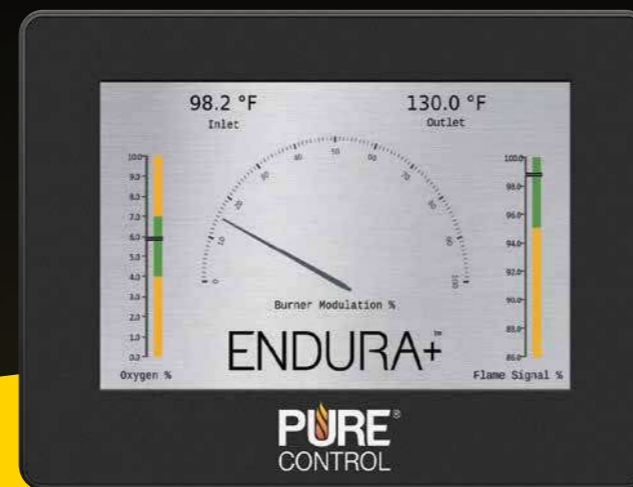
The powerful and intuitive PURE[®] Control maximizes energy savings and simplifies boiler operation. The touchscreen control provides rapid access to operating details and configuration including detailed diagnostics and trending history.

- ▶ Outdoor Reset with Setback Mode
- ▶ Motorized Isolation Valve Control
- ▶ Variable Speed Pump Control
- ▶ Reduced Cycling Saves Energy
- ▶ Modbus / BACnet Configurable

Seamless Staging

Sequences up to 10 boilers efficiently and eliminate 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 heat you can rely on.



HEAVY-DUTY ENGINEERING

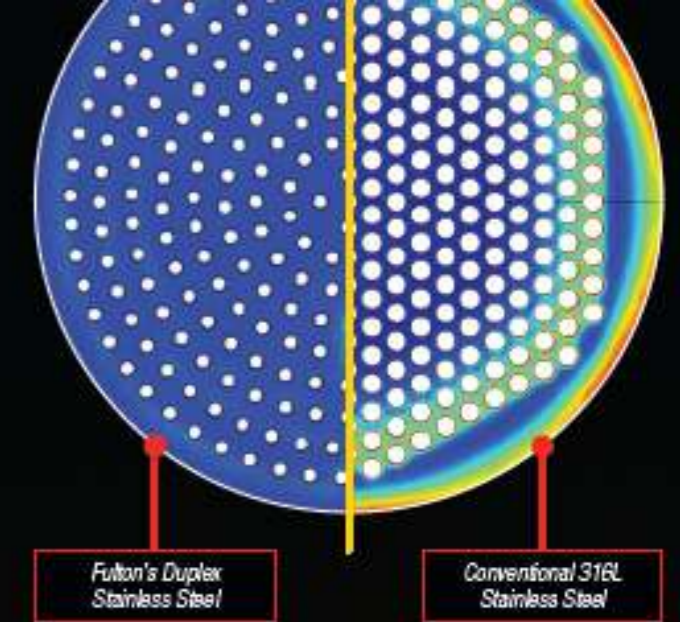
ENDURA+ features a duplex stainless steel heat exchanger for higher strength, increased resistance to corrosion, and superior thermal strain management.

On the right, Finite Element Analysis (FEA) reveals the stark contrast in operating stresses between competing equipment (right side) and Fulton's significantly more durable design (left side).

- ▶ Compact, Durable, and Efficient
- ▶ 160% Greater Yield Strength*
- ▶ 22% Less Thermal Expansion*

* Compared to 316L stainless steel Heat Exchangers, ATI metals

Model EDR+3000



TRULY STRESS-FREE

Fulton's exclusive **Tube Stress Reliever** eliminates thermal expansion stress by absorbing growth externally and allowing the heat exchanger to freely expand and contract. Conventional boiler designs sacrifice material integrity and lifespan by transferring the stresses of operation directly onto the tubesheet and heat exchanger tubes.

- ▶ Eliminates Longitudinal Expansion Stress
- ▶ Extends Boiler Life Significantly
- ▶ Stress Reliever is Maintenance-Free



FLAME BY WIRE[®]

Reliability & Lower Emissions

Flame-by-Wire[®] combustion technology replaces the use of conventional "neg-reg" and mechanical linkages with a modern system of independent electronic air and gas valves. It is easier to service and tune by empowering technicians to dial in air-fuel ratios with surgical precision.

- ▶ Simple Start-Up & Maintenance
- ▶ Maintains Precise Combustion
- ▶ Configurable to Sub-7PPM NOx

Real-Time O₂ Compensation[™]

The air-fuel ratio is continuously tuned in real-time, optimizing the combustion mixture. Automatically adjusting for seasonality virtually eliminates the need for mid-season re-tunes and reduces fuel usage.

- ▶ Maintains Ideal Oxygen Levels
- ▶ Maximizes Condensing Potential
- ▶ Auto-Optimization for Seasonality

SIMPLIFIED PIPING ARRANGEMENTS

ENDURA+ boilers are designed for **variable primary flow**, a simplified piping method that enhances temperature control and reduces design complexity. Efficiency is maximized by delivering the lowest temperature water directly to the boiler, rather than blending with heated water in a primary-secondary manifold.

- ▶ Reduced Installation Costs
- ▶ No Dedicated Boiler Pumps
- ▶ Smallest Boiler Plant Footprint

EASY INSTALLATION AND OWNERSHIP

An ultra-compact footprint, automatic maintenance reminders, and trending data logs make the ENDURA+ easy to install and operate with design features to simplify service and maintenance.

- ▶ Access Panels Detach in Seconds
- ▶ Knockdown Capable for Retrofits
- ▶ Fits Through a Standard Doorway*

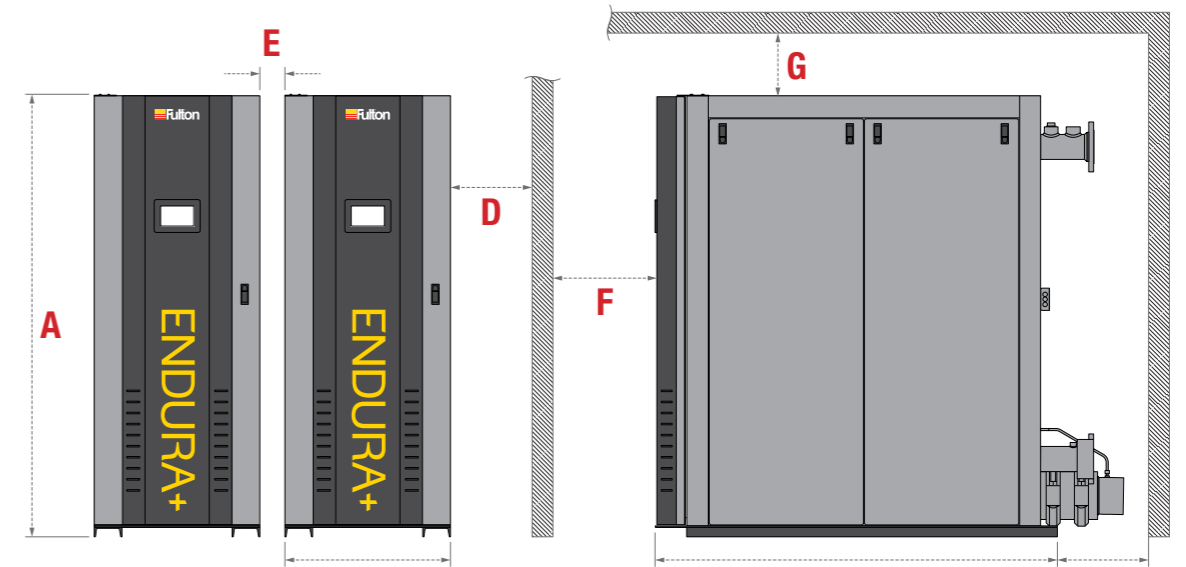
* Models up to 6 Million BTU/HR



SPECIFICATIONS & DIMENSIONS

	MODEL	EDR+2500	EDR+3000	EDR+4000	EDR+5000	EDR+6000	EDR+8000	EDR+10000	EDR+12000
SPECIFICATIONS									
Input Capacity	MBH	2,500	3,000	4,000	5,000	6,000	8,000	10,000	12,000
Water Content	GAL	80	80	180	180	180	360	360	360
Pressure Drop at 20°F ΔT	PSI	3.2	5.0	2.8	4.1	6.0	2.8	4.1	6.0
Operating Weight	LBS	3,267	3,267	6,540	6,588	6,593	14,502	14,502	14,502
AHRI Thermal Efficiency	%	96.8	96.3	94.6	94.5	95.9	94.6	94.5	95.9
Turndown Ratio		12.5:1	15:1	10:1	12.5:1	15:1	20:1	25:1	30:1
DIMENSIONS									
(A) Height	IN	80	80	79	79	79	79	79	79
(B) Width	IN	30	30	34	34	34	66	66	66
(C) Depth	IN	73	73	117	117	117	127	127	127
CLEARANCES									
(D) Sides	IN	24	24	24	24	24	24	24	24
(E) Between Pair	IN	1	1	1	1	1	24	24	24
(F) Front	IN	36	36	36	36	36	36	36	36
(G) Top	IN	18	18	18	18	18	18	18	18
(H) Rear	IN	24	24	36	36	36	36	36	36

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



Contact Us



Maximising Energy Efficiencies for a Sustainable Future

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