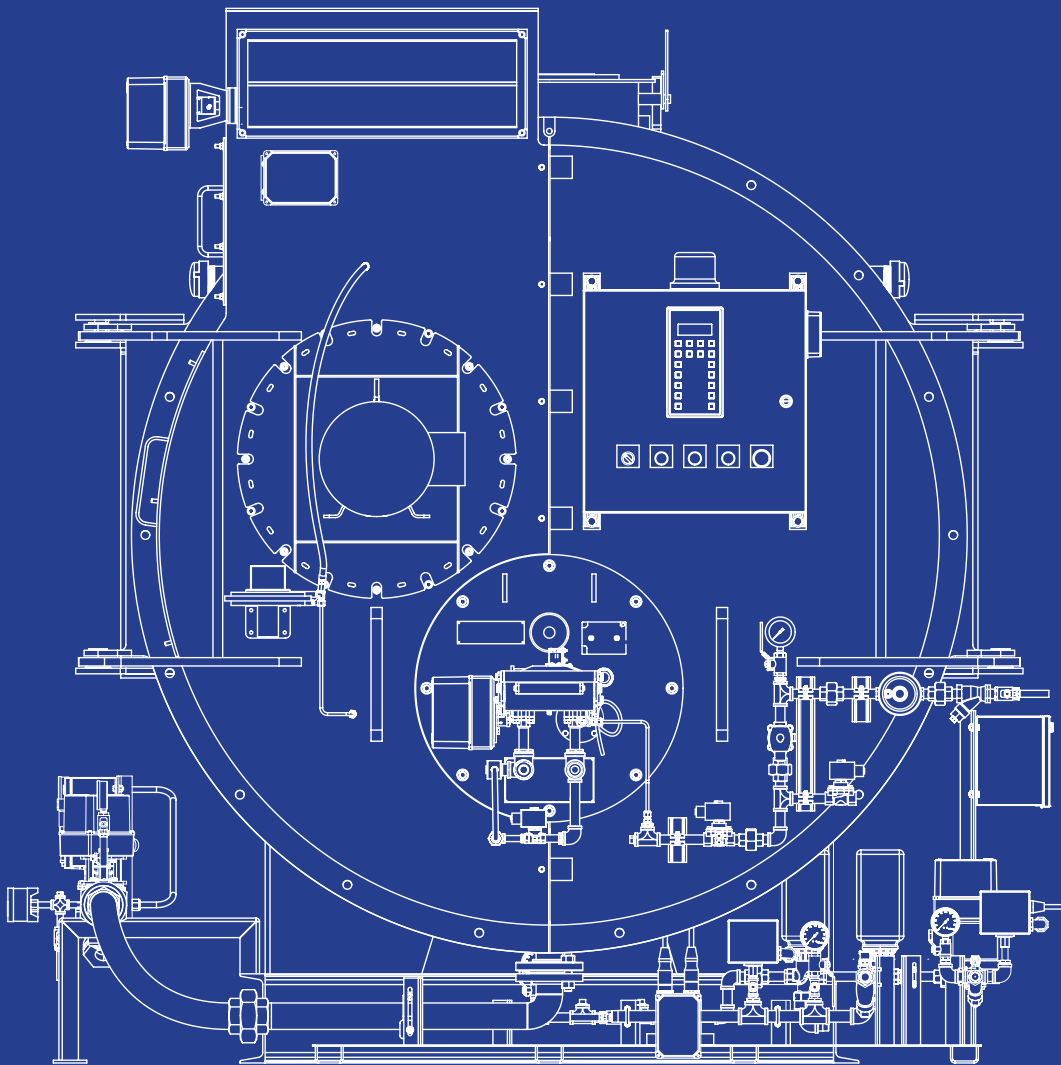




THE PREFERRED UNIT STEAM GENERATOR BOILER



PREFERRED
UTILITIES MFG CORPORATION

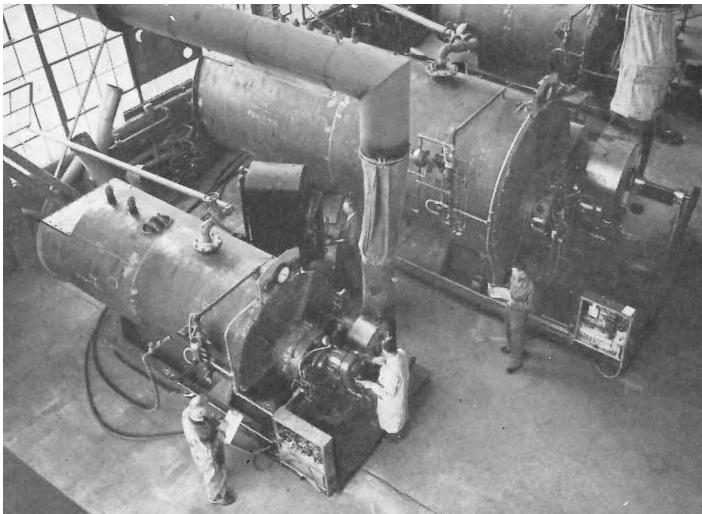




PREFERRED IS NOT NEW TO BUILDING THE FINEST INDUSTRY BOILER

A PROVEN DESIGN, MODERNIZED

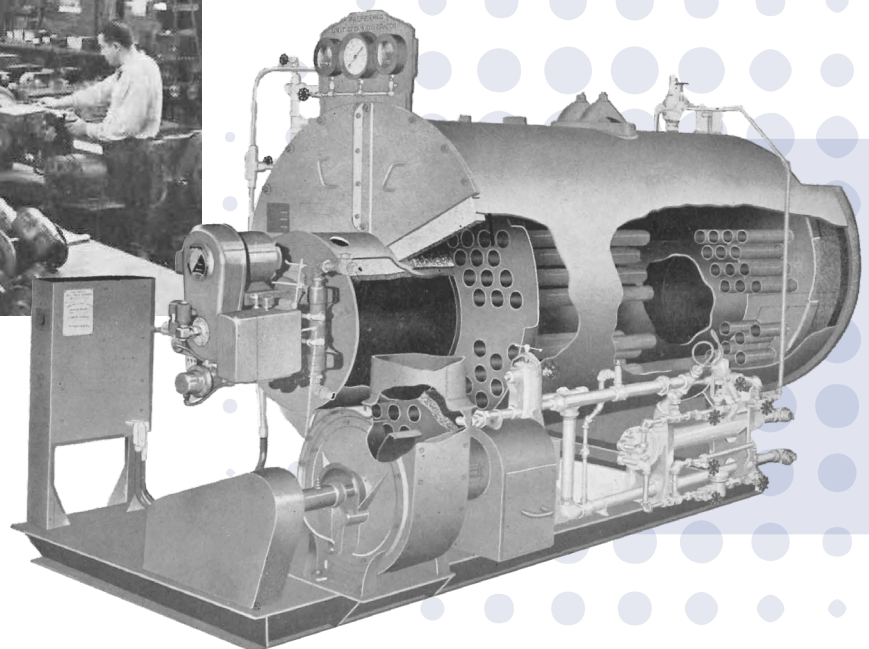
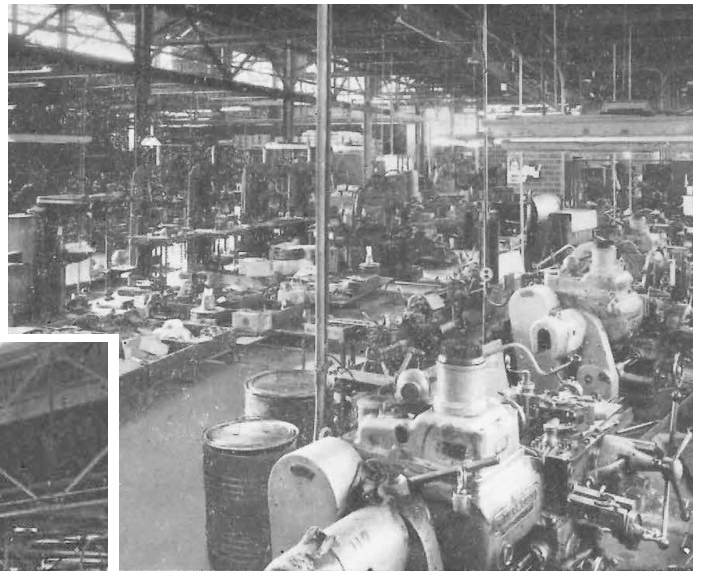
For over a century, Preferred has engineered dependable steam solutions, and the Preferred Unit Steam Generator Boiler remains one of our most iconic, field-tested designs. Engineered as a compact, fully automatic steam boiler, the modern Unit Steam Generator Boiler delivers high steam output with exceptional efficiency while maintaining the rugged reliability that defined the original line.



HISTORY OF THE PRODUCT

Originally designed as a completely packaged steam system, the original Preferred design was built to meet the growing demand for compact, dependable, operator-friendly steam production. Its key strengths of high thermal efficiency, small footprint, and simple operation made it a staple in manufacturing facilities, institutions, and commercial buildings nationwide.

Today, we're bringing this proven design into modern applications with our high-efficiency combustion systems, preserving the durability and smart engineering that made it famous and offering a whole Boiler room system package for applications where single source responsibility is a non-negotiable.



SINCE 1920

WHY CHOOSE THE REVIVED UNIT STEAM GENERATOR BOILER

- **Modern Performance, Proven Design**

We've taken a historically reliable steam generator and updated it with today's high-efficiency combustion technology, delivering cleaner combustion, tighter control, and lower operating costs.

- **Fully Engineered, Fully Packaged**

Preferred now offers this revived boiler as a complete boiler room system package, including burner fan, controls, fuel handling, accessories, and integration support. **One vendor. One design. One warranty.**

- **Single-Source Responsibility**

For facilities where uptime, accountability, and coordination are critical, having one partner responsible for the entire system is a major advantage, with no finger-pointing across multiple vendors.

- **Simplified Installation & Integration**

Packaged systems reduce on-site complexity, shorten installation timelines, and remove the risk of mismatched components or incompatible controls.

- **Built for Durability & Longevity**

The rugged tube layout, ample heating surface, and smart gas-travel design that defined the original system continue to deliver exceptional reliability in modern applications.

- **Backed by Preferred's Engineering & Service**

From design through commissioning and lifecycle support, Preferred provides the continuity and expertise needed to maximize performance and maintain long-term reliability.

- **Ideal for Tight Spaces & Special Applications**

This revived boiler's compact footprint and efficient draft design make it an excellent fit for industrial, institutional, or retrofit environments where space and venting options are limited.

- **Fully Automatic Operation**

Integrated combustion control, fuel management, and safety systems.

- **High Thermal Efficiency**

Up to 85% thermal efficiency and up to 89% efficiency on #2 oil through optimized combustion and heat transfer.

- **High Turn Down Damper**

Small footprint system with draft configurations adaptable to various buildings.

Quick Disconnect Servos: Servos with prefabricated quick disconnect connectors and cable connections that allow them to be daisy-chained to the CCS controller.

Available Boiler Output Capacity:

6.7 MMBTUH – 40 MMBTUH
10:1 turndown on gas
8:1 turndown on oil

Dual Fuel: Standard natural gas and #2 Fuel Oil. Capable of firing alternative fuels.

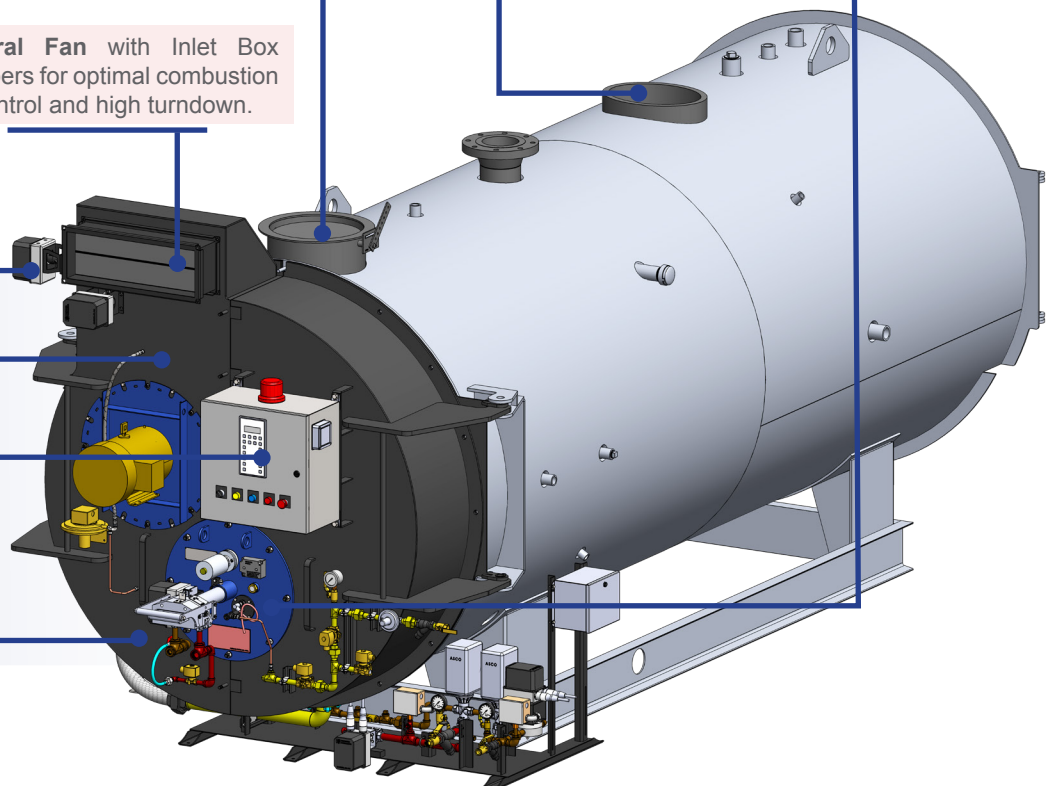
NOx: <30ppm w/ natural gas
<90 ppm w/ No.2 Fuel Oil

15% FGR with internal proprietary induced FGR system.

Integral Fan with Inlet Box Dampers for optimal combustion air control and high turndown.

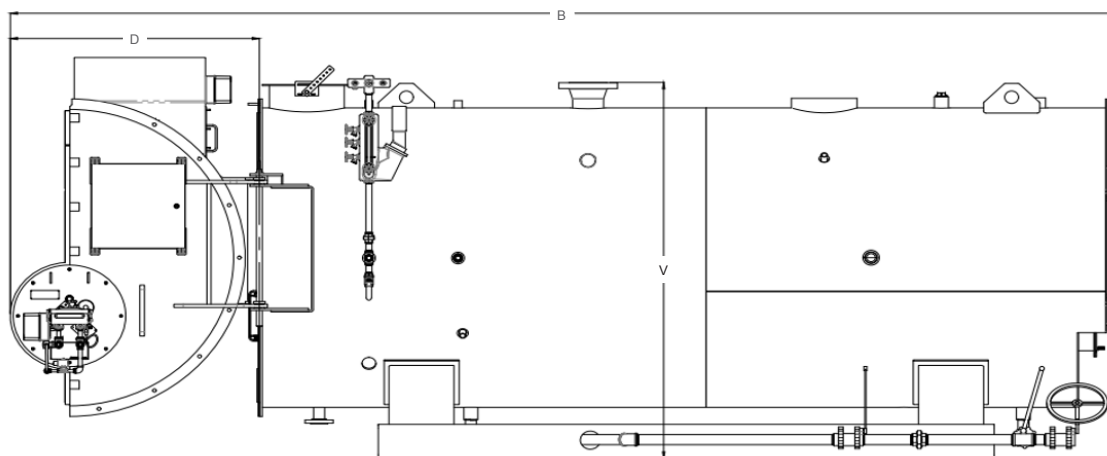
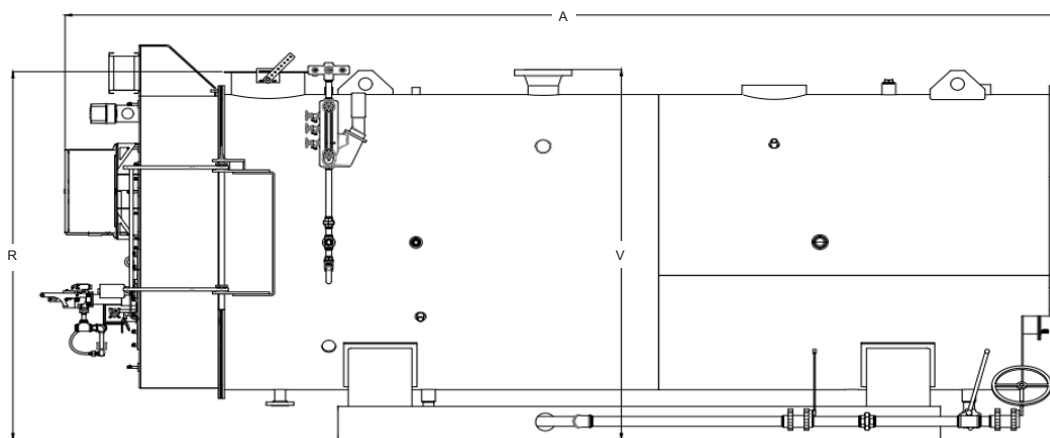
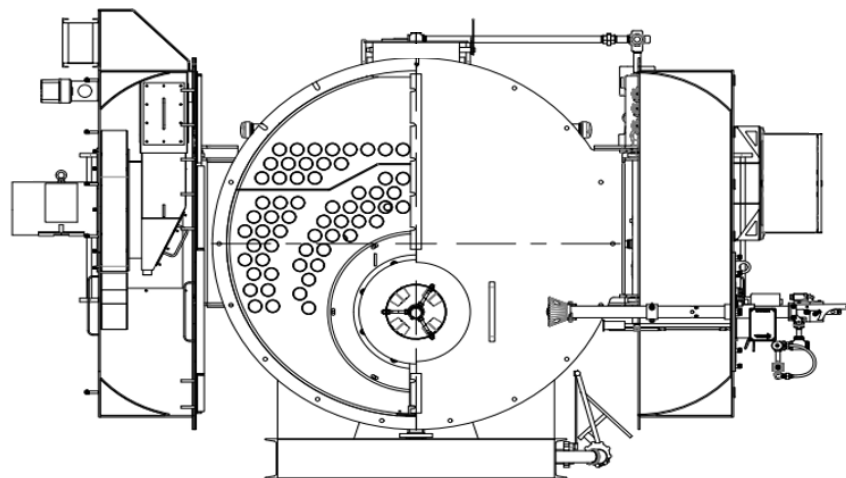
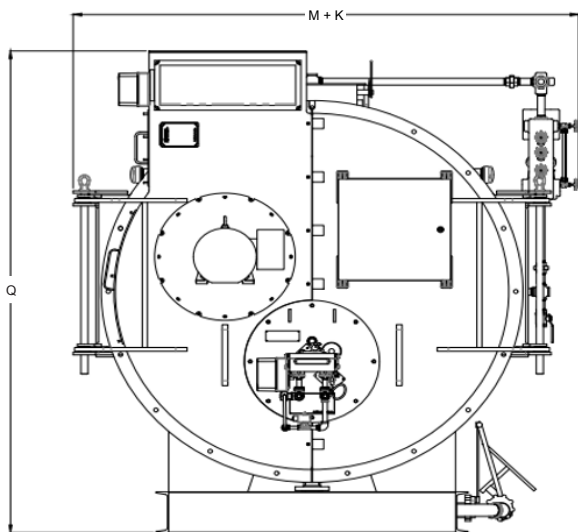
Control Options: FlexFit, BMU, BMTS, PLC.

Dual Door Design: Eliminates sagging and reduces required space in front of the boiler for better service access.



ALL DIMENSIONS IN INCHES

	Overall Length "A"	Approx. Width over Controls (closed) M+K	Base to Vent Outlet "R"	Height to steam nozzle "V"	Front Door Swing "D"	Overall Height "Q"	Overall Length with Door opened "B"	Total Required Install Length including Tube Pull Clearance
USGB - 200	217	90	88	89	53	95	236	320
USGB - 400	265	108	106	107	62	113	290	399
USGB - 600	298	118	116	117	67	123	328	455
USGB - 800	310	128	126	127	72	133	345	478
USGB - 1000	328	138	135	137	77	143	333	516
USGB - 1200	367	138	139	139	77	143	408	552



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