



New Certification Path for Boilers Up to 25% Hydrogen Blending

The ninth edition of ANSI/CAN/UL 795, the Standard for Commercial-Industrial Gas-Fired Package Boilers, provides a new certification path for hydrogen blending up to 25% for NA.

In February 2024, UL Standards & Engagement published the ninth edition of UL 795, the Standard for Commercial-Industrial Gas-Fired Package Boilers. This is now a bi-national Standard, ANSI/CAN/UL 795:2024 Standard for Commercial-Industrial Gas-Fired Package Boilers. It is the first North American Standard that offers manufacturers a path to certification for boilers using hydrogen blending up to 25%, setting a new benchmark for the industry.



The scope of UL 795

UL 795 now provides a certification path for hydrogen-natural gas blends as well as other traditional fuel types within its scope. The new edition includes requirements for:

- Gas-fired package boilers
- High-pressure steam and high-temperature water gas-fired boiler assemblies for the following fuel gases: natural gas, hydrogen-natural gas blends*, LP-gas, LP-gas/air blends, manufactured gas
- Furnaces
- Air heaters (United States only)

**Up to 25% H₂ and 75% natural gas blend shall be the limit for the purposes of this Standard.*

The full Standard is available in the **UL Standards Catalog**.

United States and Canadian requirements

As new technologies have diversified industrial and commercial boiler products over the years, the need to address different certification paths for additional fuel sources and blends has come into focus. The original edition of the UL 795 Standard, first published in 1952, has been modified many times over the years to accommodate changes to the industry and manufacturers' needs.

UL Standards & Engagement, the publisher of the UL 795 Standard, is accredited by the American National Standards Institute (ANSI) and the Standards Council of Canada (SCC) as a Standards Development Organization (SDO).

This ninth edition of the Standard was developed in compliance with the requirements of ANSI and SCC for accreditation of a Standards Development Organization. This joint American National Standard and National Standard of Canada is based on, and now supersedes, the eighth edition of UL 795 and the first edition of ULC/ORD-C795-2021.

How UL Solutions can help

As a leader in the combustion industry, UL Solutions can review your current boiler listings to check that they meet the new requirements or start a new quote. Leverage our dedicated laboratory staff and their expertise in the boiler product category to help you find a path to testing and certification.