

STANDARD INFORMATION

Standard: UL 795

Standard ID: Commercial-Industrial Gas-Fired Package Boilers [ANSI/CAN/UL 795:2024 Ed.9]

Previous Standard ID: Commercial-Industrial Gas Heating Equipment [UL 795:2016 Ed.8+R:03May2022]

EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

Effective Date: **February 28, 2026**

IMPACT, OVERVIEW, AND ACTION REQUIRED

Impact Statement: Per our accreditation, Intertek is required to review reports against the standard revisions to confirm compliance. Once compliance is confirmed, the standard reference in the report is updated to show continued compliance to the technical requirements of the standard. Reports not updated to this version by the effective date above will be withdrawn.

The 9th edition of UL 795 is jointly issued with Canda and is referred to as ANSI/CAN/UL 795.

Overview of Changes:

- New requirements for electrical enclosures
- New requirements for motors and motor overcurrent or overload protection
- New Burner fuel train leak test
- New annex for furnaces and air heaters

Specific details of new/revise requirements are found in table below

Current Listings Not Active? – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records. We will do this at no charge as long as Intertek is notified in writing prior to the review of your reports.



STANDARD INFORMATION

CLAUSE	VERDICT	COMMENT
		<i>Additions to existing requirements are <u>underlined</u> and deletions are shown lined-out below.</i>
11	Info	Electrical Enclosures <i>New clause added;</i> The opening is acceptable if, within the enclosure, there is no uninsulated live metal part or filmcoated wire: 11.22 a) Less than X in (mm) from the perimeter of the opening, as well as b) Within the volume generated by projecting the perimeter X in (mm) normal to its plane. X equals five times the diameter of the largest diameter rod which can be inserted through the opening, but not less than 4 in (102 mm).
16	Info	Motors and Motor Overcurrent or Overload Protection All motors shall be protected by an integral thermal protector or by overcurrent protective devices, or combinations of these <u>as follows:</u> 16.1 a) <u>A separate device responsive to motor current and rated to set to trip at not more than the percentage of the motor nameplate full-load current rating specified in Table 16.1. If the percentage protection specified in Column A of Table 16.1 does not correspond to the percentage value of an overload relay of a standard size, the device of the next higher size may be used. However, the overload device of the next higher size shall protect against currents exceeding the percentage values specified in Column B of Table 16.1.</u> b) <u>A separate overload device which combines the functions of overload and overcurrent protection and is responsive to motor current rated or set at values not greater than the percentages of the motor nameplate full-load current rating as specified Table 16.1. Such a device shall be capable of fully protecting the circuit and motor both under overload and short circuit conditions. If the marked service factor of a motor is less than 1.15, or if the service factor or service factor current is not marked on the motor, the rating or setting of separate overload devices, if used, shall not exceed 115 % of the full load current of the motor.</u> c) <u>A protective device integral with the motor that complies with UL 2111, or UL 1004-1 (and CSA C22.2 No. 77) and UL 1004-3 (and CSA C22.2 No. 77). An impedance-protected motor shall comply with UL 1004-1 and UL 1004-2. An electronically protected motor shall comply with UL 1004-1 and UL 1004-7 (and CSA C22.2 No. 77).</u>



CLAUSE	VERDICT	COMMENT
		<i>New clause added;</i>
16.3		A three-phase motor shall be provided with overload protection as specified in 16.1. The protection shall consist of three overcurrent units or the devices as specified in 16.1. If current responsive devices provide the only protection, then such devices shall consist of three current responsive elements that are either connected directly in the motor circuit conductor; or fed by two or three current transformers and so connected that all three phases will be protected.
46	Info	Burner Assembly Tests
		<i>New section added;</i>
		Burner fuel train leak test
46.1		When a boiler assembly is rated for hydrogen-natural gas blends and prior to conducting the burner assembly tests within this section, a leak test shall be performed on the manufactured supplied piping and the burner fuel train per 46.1.2 and 46.1.3.
		See standard for details.
	Info	OUTDOOR-USE EQUIPMENT
60	Info	Enclosures
		<i>New clause added;</i>
60.18		Where the thickness of coatings is specified, they shall be established in accordance with ASTM B487, ASTM B499, or ASTM B504, as applicable.
		<i>New clause added;</i>
60.19		As an alternative to compliance with 60.2 to 60.18, enclosures shall comply with the requirements of UL 50E/CSA C22.2 No. 94.2/NMX-J-235.



CLAUSE	VERDICT	COMMENT
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New annex added;

FURNACES AND AIR HEATERS (United States Only)

This Annex shall be used to evaluate furnaces and air heaters (United States only). All requirements of UL 795 apply unless modified by this Annex.

Annex A

In addition to the requirements in this standard, the following apply to factory-built furnaces and heaters having inputs of more than 400,000 Btu/h (117,218 kW), per individual combustion chamber, which require flame failure and other precautions, and which are intended primarily for commercial and industrial installation.

Additional installation and operation requirements are available for these appliances as defined by the National Fuel Gas Code, NFPA 54, and by the Liquefied Petroleum Gas Code, NFPA 58, as applicable.

See standard for details.
