STANDARDS UPDATE NOTICE (SUN)
ISSUED: June 12, 2024

STANDARD INFORMATION

Standard: UL 1203
Standard ID: Explosion-Proof and Dust-Ignition-Proof Electrical Equipment for Use in Hazardous (Classified) Locations [UL 1203:2023 Ed.6]
Previous Standard ID: Explosion-Proof and Dust-Ignition-Proof Electrical Equipment for Use in Hazardous (Classified) Locations [UL 1203:2013 Ed.5+R:05Apr2022]

EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

Effective Date: **July 10, 2025**

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 Reports not updated to this version by the effective date above will be withdrawn.

Overview of Changes:

- Addition of construction and testing requirements for secondary batteries
- Sand-filled fuses using noncombustible granular materials from use as an ignition source during explosion testing

Specific details of new/revised 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 – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records.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
		Additions to existing requirements are underlined and deletions are shown ~~lined out~~ below.
21	Info	**Explosion Tests**
21.10		For Class I, Groups A, B, C, or D locations, equipment having an internal fuse shall be subjected to explosion tests using a spark plug to ignite the flammable mixture, and by overload and short-circuit tests to determine the electrical and pressure effects resulting from rupture of the fuse. Exception: Equipment using cartridge fuses filled with noncombustible granular material need not be subjected to overload and short circuit tests in the presence of explosive atmospheres if the product is marked in accordance with the requirements of 59.25.
	Info	**PART IV – MARKINGS AND INSTRUCTIONS**
59	Info	**Details**
59.25		***New clause added;*** Equipment that employs a cartridge fuse filled with noncombustible granular material in accordance with the Exception to 21.10 or B1.10 shall be marked, at a location visible when the fuse is being replaced, with the word "CAUTION " and the following or equivalent statement: "Risk of Ignition of Hazardous Atmospheres – Replace only with “x” fuse having the same voltage and current rating as the existing fuse." The manufacturer is to insert identification of the fuse filled with noncombustible granular material in the space marked "x ".
Annex B	Info	**ALTERNATIVE EXPLOSION TESTS**
B1	Info	**Explosion Tests**
B1.10		***New clause added;*** For Class I, Groups A, B, C, or D locations, equipment having an internal fuse shall be subjected to explosion tests using a spark plug to ignite the flammable mixture, and by overload and short-circuit tests to determine the electrical and pressure effects resulting from rupture of the fuse. Exception: Equipment using cartridge fuses filled with noncombustible granular material need not be subjected to overload and short circuit tests in the presence of explosive atmospheres if the product is marked in accordance with the requirements of 59.25.

CLAUSE	VERDICT	COMMENT
Annex C		***New annex added;*** **CELLS AND BATTERIES** Batteries shall be securely mounted within the enclosure. All cells and batteries shall be constructed and arranged in a manner that will prevent the leakage of electrolyte onto the inside of the enclosure. Where user replacement of cells or batteries is possible, the design shall reduce the likelihood of reverse polarity installation and the equipment shall be marked in accordance with Section C7.