

STANDARD INFORMATION

Standard: UL 60079-31

Standard ID: Explosive Atmospheres - Part 31: Equipment Dust Ignition Protection by Enclosure "t" [UL 60079-31:2015 Ed.2+R:18Nov2024]

Previous Standard ID: Explosive Atmospheres - Part 31: Equipment Dust Ignition Protection by Enclosure "t" [UL 60079-31:2015 Ed.2+R:13Aug2020]

EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

Effective Date: **November 18, 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 Reports not updated to this version by the effective date above will be withdrawn.

Overview of Changes: Level of Protection "tc" is not permitted for Group IIIC equipment. Specific details of new/revise requirements are found in table below.

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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 – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records.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.



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CLAUSE	VERDICT	COMMENT
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Additions to existing requirements are underlined and deletions are shown ~~lined-out~~ below.

4	Info	General
4.2	Info	Equipment groups and ingress protection

Level of Protection, equipment group and ingress protection (IP) relationship

Level of Protection	Group IIIC	Group IIIB	Group IIIA
"ta"	IP6X	IP6X	IP6X
"tb"	IP6X	IP6X	IP6X
"tc"	<u>IP6X</u> ^a	IP5X	IP5X

Table 1DV

Ingress protection shall be determined in accordance with degree of protection (IP) of enclosures as specified in UL 60079-0 for level of protection "tb" and "tc". For Level of Protection "ta" the level of depression shall be increased to at least 4 KPa for a period of least 8 h. Any grease in the joints shall be removed before the IP test is performed.

When IP5X is required, all enclosures including rotating machines, shall satisfy the test and acceptance requirements of IP5X, as specified in IEC 60529.

^a In accordance with NEC[®], Level of Protection "tc" is not permitted for Group IIIC equipment