



NEMA Enclosure Types Hazardous Locations

When completely and properly installed and maintained, Type 7 and 10 enclosures are designed to contain an internal explosion without causing an external hazard. Type 8 enclosures are designed to prevent combustion through the use of oil-immersed equipment. Type 9 enclosures are designed to prevent the ignition of combustible dust.

Type 7	Indoor	Use in hazardous locations classified as Class I, Division 1. Group A, B, C, or D as defined in MFA 70.
Type 8	Indoor Outdoor	Use in hazardous locations classified as Class I, Division 1. Group A, B, C, and D as defined in MFA 70.
Type 9	Indoor	Use in hazardous locations classified as Class II, Division 1. Group E, F or G as defined in MFA 70.
Type 10		Constructed to meet the requirement of the Mine Safety and health Administration, 30 CFR, Part 18.

For more detailed and complete information, consult MEMA Standard Publication 250 – 1997. “ Enclosures for Electrical Equipment (100 Volts Maximum”