

What do the NEMA Ratings for Enclosures Mean?

NEMA - Type 1: General Purpose

- Ideal for an indoor environment where oil, dust, or water are not typical. Protects against accidental contact with the enclosed equipment.

NEMA - Type 2: Drip Proof

- Similar to Type 1, Type 2 is also an indoor enclosure, however this type is intended to protect against non-corrosive liquids and falling dirt.

NEMA - Type 3: Dust, Rain, and Sleet/Ice Resistant

- This enclosure is designed for use outdoors to protect against dust and water.

NEMA - Type 3R: Rain Proof and Sleet/Ice Resistant

- Safeguards your equipment against rain, accumulation and melting sleet, snow, or ice.

NEMA - Type 3S: Dust, Rain, and Sleet/Ice Proof

- Protects against dust and water. Also provides the ability for operation when the enclosure is covered by ice or sleet.

NEMA - Type 4: Water and Dust

- Ideal for equipment utilized indoor and outdoors. Safeguards the enclosed equipment against splashing, seeping or direct contact with water and other severe condensation.

NEMA - Type 12: Dust and Drip (Industrial Use)

- For equipment that is utilized indoors, this enclosure protects against fibers, filings, lint, dust, dirt, light splashing, seepage, dripping, and external condensation of noncorrosive liquids.

To learn more, please send us an email at

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