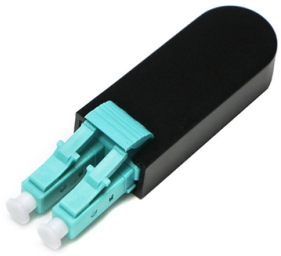
Price of electrical distribution boxes for explosion-proof locations



Overview

Choose our explosion-proof solutions, choose safety. Durable Hexlon Explosion Proof Distribution Boxes and Electrical Enclosures, IECEx and ATEX certified for Zone 1 and Zone 2.

Key Takeaways

Explosion-proof electrical and distribution boxes typically range from $100 for small junction boxes to several thousand dollars for large, custom-certified enclosures.

Pricing Overview

The cost of explosion-proof enclosures varies widely depending on size, material, certification, and intended use. Small compact housings, suitable for junction boxes or low-voltage terminations, generally start around $100–$300. These are ideal for confined spaces or small I/O connections and provide basic protection in hazardous areas.

Medium-sized enclosures, often used for terminal boxes, automation systems, or general-purpose wiring interfaces, typically range from $300–$1,000. These models balance cost, strength, and corrosion resistance, making them suitable for industrial applications. Large or heavy-duty enclosures designed for isolating motors, pumps, or circuits in high-risk environments can cost $1,000–$5,000 or more, especially when made from stainless steel (AISI 304L or 316L) or reinforced materials for marine, chemical, or offshore installations.



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Material and Certification Impact

Steel or stainless steel (304L/316L): Higher mechanical strength and corrosion resistance, increasing price. Aluminum: Lightweight and moderately priced, suitable for many industrial applications.

Polycarbonate or GR

P: Lower cost, corrosion-resistant, often used for smaller enclosures. Certifications such as ATEX, IECEx, UL 1203, and NEC 500 are required for hazardous locations and can affect pricing. Custom-made or pre-assembled terminal boxes with rapid delivery options may also carry a premium.

Distribution BoxesExplosion-proof distribution boxes, which house multiple circuits or power systems, are generally more expensive than standard junction boxes, with prices starting around $500 and reaching $3,000–$5,000 for large, certified, stainless steel models suitable for Zone 1 or Zone 2 installations.

Purchasing Options

Standard models: Available with short lead times, often in stock for immediate shipping. Custom enclosures: Tailored dimensions, materials, and features, typically with longer lead times and higher costs. Online marketplaces: Platforms like Amazon offer smaller explosion-proof junction boxes, usually in the lower price range for basic applications.

In summary, prices depend heavily on size, material, certification, and customization, ranging from $100 for small junction boxes to over $5,000 for large, high-spec distribution boxes in hazardous environments.

Article Content

Explosion Proof Distribution Box & Electrical Enclosures

Choose our explosion-proof solutions, choose safety. Durable Hexlon Explosion Proof Distribution Boxes and Electrical Enclosures, IECEx and ATEX certified for Zone 1 and Zone 2.

Explosion-Proof Enclosures: Pricing, Sizes & Lead Times

Explore explosion-proof enclosure price ranges, materials, sizes, and lead times. Compare steel, aluminum, and polycarbonate hazardous-area

Hazardous Location Electrical Boxes | McMaster-Carr

Choose from our selection of hazardous location electrical boxes, including outlet boxes and covers, weatherproof outlet boxes and covers, and more. Same and Next Day Delivery.

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Ex Junction Boxes and Atex Enclosures · Atex Delvalle

Our explosion protection Ex enclosures and equipment are comprehensive and widely configurable. Reliable in use and convenient to install, their overall quality provides cost efficiency, and most of all,

Hazardous Location Electrical Boxes

Hazardous location electrical boxes protect electrical wiring and components in hazardous atmospheres where dust, dirt, and corrosive moisture may be present. Note: Product availability is real-time basis

Explosion Proof Junction Box Types, Prices

In hazardous locations where flammable gases, vapors, or dust are present, electrical safety is non-negotiable. Every connection, wire, and junction

Explosion Proof Box Manufacturer/Supplier/Factory, Hazardous Area ...

Explosion Proof Box, SUREALL Low-voltage Control Guide Driving the state of the art innovation for power distribution and control for electrical equipment in harsh and hazardous location

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Explosion-Proof Distribution Boxes & Panels Manufacturer

The explosion-proof distribution box safely delivers power in hazardous zones (oil, gas, chemical plants) with rugged, spark-resistant casing—ATEX/IECEx, IP66 certified for reliable operation in explosive

Ex Electrical Equipment

As part of a complete hazardous area electrical system, our Ex products are engineered to protect personnel, facilities, and industrial processes in locations where explosive gases, combustible dust,

HRMD92 Explosion proof Distribution Box (Ex d IIB+H2)

Warom Explosion proof Distribution Box (Ex d IIB+H2) in 316 stainless steel. Available with a wide range of built in components.

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

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