

Price of galvanized explosion-proof junction box



AI Overview

Galvanized explosion-proof junction boxes typically range from \$100 to \$800 or more, depending on size, material, and certification. Price Overview The cost of a galvanized explosion-proof junction box varies widely based on several factors:

- Material:** Galvanized steel is generally less expensive than stainless steel or aluminum enclosures, but still provides corrosion resistance and durability suitable for hazardous areas.
- Size and Configuration:** Small junction boxes for simple cable terminations may start around \$100–\$200, while larger boxes with multiple terminals or complex layouts can exceed \$500–\$800.
- Certification:** Boxes certified for ATEX, IECEx, or UL standards for Zones 1, 2, 21, and 22 may cost more due to compliance testing and safety features.
- Additional Features:** Options such as IP66 protection, temperature ratings, and pre-threaded entries for conduit can increase the price.

Typical Applications These junction boxes are used in petrochemical, offshore, manufacturing, and other hazardous environments where flammable gases or dust may be present. They ensure ignition containment, durability, and compliance with safety standards.

Buying Tips Compare material and certification requirements to avoid overpaying for unnecessary features. Consider custom vs. standard models: standard galvanized boxes are usually more cost-effective, while custom configurations may increase lead time and price. Check suppliers like CEF, Pepperl+Fuchs, R. STAHL, and Intrinsically Safe Store for product options and quotes.

In summary, a galvanized explosion-proof junction box suitable for industrial hazardous areas generally costs \$100–\$800, with the final price influenced by size, material, certification, and additional features.

Article Content

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