Factory Price of Explosion-proof Distribution Boxes for Construction Sites



Overview

Explosion Proof Distribution Box Price Manufacturers & SuppliersExplosion Proof Light, Explosion Proof Terminal Box manufacturer / supplier in China, offer.

Key Takeaways

Explosion-proof boxes for construction sites typically range from $100 for small junction boxes to over $2,000 for large, certified enclosures, depending on size, material, and certification.

Price Ranges

Compact Junction Boxes: Small explosion-proof junction boxes, ideal for low-voltage terminations or confined spaces, generally cost $100–$300. These are often made of aluminum or steel and certified for ATEX, IECEx, or UL standards.

Medium-

Sized Distribution Boxes: Used for terminal connections, automation systems, or general-purpose wiring, prices typically range from $300–$800, depending on material (stainless steel, aluminum, or reinforced steel) and corrosion resistance.

Large or Heavy-

Duty Enclosures: Designed for motors, pumps, or circuits in hazardous areas, these can cost $1,000–$2,500+, especially if made from stainless steel (AISI 304L or 316L) and certified for Zones 1, 2, 21, and 22.

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Material and Certification Considerations

Materials: Common options include mild steel, aluminum, stainless steel (304L/316L), and GRP polyester. Stainless steel offers superior corrosion resistance and mechanical strength, suitable for harsh environments. Certifications: Ensure compliance with ATEX, IECEx, UL1203, and NEMA 4X standards.

Certification affects both safety and price, with fully certified enclosures costing more.

Additional Factors Affecting Cost

Size and Volume: Larger enclosures with more internal space or multiple hubs increase cost. Accessories: Pre-threaded entries, O-rings, and internal grounding screws add to price but simplify installation. Lead Time: Stock availability can influence cost; custom or rapid-delivery enclosures may carry a premium.

Summary

For construction sites, small explosion-proof junction boxes start around $100, medium distribution boxes range $300–$800, and large, heavy-duty enclosures can exceed $2,000. Material choice, certification, and additional features significantly influence the final price, so selecting the right combination for your site's hazardous classification is essential.

Article Content

Explosion Proof Distribution Box Price Manufacturers & Suppliers

Explosion Proof Light, Explosion Proof Terminal Box manufacturer / supplier in China, offering Explosion-Proof Distribution Box 5K, Explosion-Proof Distribution Box 4K, Midea Industrial Explosion

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CZ Electric Co., Ltd is an Explosion-proof isolation switch manufacturers and Explosion-proof safety switch, Explosion-proof circuit breaker (MCB) box factory.

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Explosion proof distribution box

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Explosion-Proof Distribution Boxes & Panels Manufacturer

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Explosion Proof Device Box Factory

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