

Customized explosion-proof electrical distribution boxes in Spain

Article Overview

Spain offers multiple suppliers of customized explosion-proof electrical distribution boxes, including Atex Delvalle, IDE Electric, Cortem Group, Warom, and MAM, all providing ATEX and IECEx certified solutions for hazardous environments.

Key Suppliers and Solutions

Atex Delvalle specializes in custom-made explosion-protected solutions for hazardous areas, offering stainless steel (AISI 304L & 316L) enclosures certified for ATEX and IECEx. They manufacture purge and pressurized control panels for gas and dust zones (1, 2, 21, 22) and provide components like Ex plug and socket boxes, cable glands, and motor protection devices suitable for industrial installations in Spain. IDE Electric provides highly versatile metal and polyester cabinets for electrical distribution, designed for industrial automation and machine control. Their enclosures are customizable, available in IP44, IP54, and IP67 protection levels, and can be configured for voltages from 24 to 500 V and currents from 10 to 125 A. IDE Electric supports fully wired and assembled solutions according to Spanish electrical regulations (REBT) and offers a wide range of accessories for tailored installations. Cortem Group offers tailored explosion-proof panel boards and junction boxes in aluminium alloy, stainless steel, or glass-reinforced polyester. Their solutions include fully wired, ready-to-use panels with 'Ex d' IIC, IIB, or 'Ex de' protection methods, suitable for indoor or outdoor installation in chemical, petrochemical, and refining plants. Cortem provides project management support for engineering companies, OEMs, and EPC contractors, ensuring customized solutions from design to on-site delivery. Warom manufactures explosion-proof distribution boxes, control equipment, and motor switches compliant with IEC, ATEX, and IECEx standards. Their products are widely used in petroleum, chemical, marine, and mining industries, offering both standard and customized enclosures for hazardous locations. MAM specializes in advanced Ex electrical equipment, including control panels, junction boxes, lighting systems, cable glands, and distribution systems. Their solutions are engineered for oil & gas, offshore, petrochemical, marine, mining, and pharmaceutical industries, with full ATEX and IECEx certification. MAM supports OEM projects, EPC companies, and system integrators with custom-engineered hazardous area solutions.

Customization Considerations

When selecting a customized explosion-proof distribution box in Spain, consider:

- o Material: Stainless steel, aluminium alloy, or glass-reinforced polyester depending on corrosion resistance and environmental conditions.
- o Protection Type: 'Ex d', 'Ex e', or 'Ex de' for gas and dust zones.



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- o Certification: ATEX and IECEx compliance is essential for legal and safety requirements.
- o Installation Environment: Indoor vs. outdoor, temperature control, and exposure to corrosive or marine conditions.
- o Wiring and Accessories: Fully wired panels, busbar supports, switches, and monitoring devices tailored to operational needs. These suppliers provide turnkey solutions that can be fully customized to meet specific industrial requirements, ensuring safety, compliance, and operational efficiency in hazardous areas.

We supply explosion-proof electrical equipment, including: lighting fixtures, safety lighting fixtures, switchboards, control boxes and

CONTREX SERIES Ex Control Stations & Distribution Boxes Atex control stations, explosion protected control units made stainless

Used to house electrical or electronic switchgear, control gear and equipment necessary to supply, distribute and transform

When choosing explosion-proof distribution boxes, decision-makers should focus on these

Our experts have in-depth knowledge and extensive experience in a wide variety of explosion-protection principles and will work with

Cortem Group's customized solutions allow you to safely distribute and control electricity in classified areas with risk of explosion.

Choose our explosion-proof solutions, choose safety. Durable Hexlon Explosion Proof Distribution Boxes and Electrical Enclosures,

Hazardous Area Systems The commitment of Atex Delvalle is to give customized solutions for explosive environments, Gas & Dust

CE92 Explosion-proof power distribution boxes Category: Atex Junction Boxes

Hazardous Plugs and Socket Boxes Atex Ex Electrical Modules Ex Operation Head Hazardous Location Air Conditioners Atex

As part of a complete hazardous area electrical system, our Ex products are engineered to protect personnel, facilities, and industrial



Customized explosion-proof electrical non-standard distribution boxes in Spain

Explore EX Industries" certified explosion-proof and flameproof enclosures, ensuring safety and compliance

Customized explosion-proof distribution box is a type of distribution box with explosion-proof performance, mainly used in hazardous

In conclusion, explosion-proof distribution panels are a critical safety feature in hazardous industrial environments, providing reliable

Unlike standard distribution boxes, which come in fixed sizes and configurations, customized boxes are built to meet

Explosion-proof electrical distribution boxes are essential for safety in hazardous environments. These specialized enclosures are

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