

British Explosion-Proof Electrical Distribution Box Company



Overview

Tech-Ex Systems | Providing customers with rapid response, Our offering includes Explosion-proof Control Stations, Terminal Boxes, Distribution Boards in b.

Key Takeaways

Leading UK manufacturers of explosion-proof electrical distribution boxes include Tech-Ex Systems, Abtech, J.B. Systems, CE-TEK, and Thorne & Derrick International, all offering ATEX and IECEx-compliant solutions. Key UK Manufacturers



Tech-Ex Systems specializes in ATEX-certified Exd and Exe explosion-protected electrical equipment for Zone 1 and Zone 2 environments. They manufacture their own flameproof Exd enclosures, including explosion-proof control stations, terminal boxes, and distribution boards in GRP and stainless steel, as well as flameproof control panels in aluminium, stainless steel, and cast iron. The company emphasizes bespoke engineering, rapid response, and local support for OEMs, end users, and contractors in the UK . Abtech provides hazardous area enclosures in stainless steel, GRP, and aluminium, utilizing multiple protection concepts such as Increased Safety (Ex e), Explosion Proof (Ex d), and Intrinsic Safety (Ex i). Their products are ATEX and IECEx compliant, with additional global certifications including North American approvals for Class 1 Div 2 and Canada, Class 1 Zone 2 . J.B. Systems offers fully customizable Appleton™ ATX™ Exd explosion-proof enclosures and safe area panel assemblies. Their enclosures are constructed from robust materials like marine-grade aluminium alloy, welded steel, and stainless steel, and can accommodate a wide range of components including PLCs, relays, transformers, and meters. They provide full design, CAD drawing, and wiring services to meet specific customer requirements . CE-TEK has over 30 years of experience manufacturing rugged electrical junction boxes for hazardous areas across industries such as oil & gas, petrochemical, pharmaceutical, and food processing. Their enclosures are designed to European standards and are available in a wide range of materials and sizes, incorporating design features that optimize cost and performance . Thorne & Derrick International designs and supplies control panels and distribution boards for hazardous areas, offering ATEX-certified Exd flameproof solutions. Their product range includes aluminium, stainless steel, and cast iron enclosures, with flexible configurations for Zone 1/2 and Zone 21/22 applications. They provide integration of various electrical components and optional tempered glass windows for hazardous environments .

Considerations for Selection

- Material: Stainless steel, aluminium, GRP, or cast iron depending on environmental conditions.
- Certification: ATEX, IECEx, and other regional approvals for compliance in hazardous areas.
- Customization: Ability to integrate specific components, control panels, and distribution boards.
- Support: Local engineering and design support for bespoke solutions and rapid delivery. These UK manufacturers provide a comprehensive range of explosion-proof electrical distribution solutions suitable for industrial and hazardous environments, ensuring compliance, safety, and flexibility for complex installations.

Article Content

ATEX Zone 1 Splitter Box | Certified for Hazardous Areas

With its robust construction and flameproof design, this Explosion Proof Splitter Box ensures the safe and

Distribution Boxes

BXJ93 Fibre Optic Splice Box Explosion-Proof Fibre Optic Termination Solution for Hazardous Locations Engineered for safety,

ATEX SPLITTER BOX

The Wolf ATEX Splitter Box is compact, portable and CE marked to the ATEX Directive for safe use in Zones 1 and 2 potentially

Contact Us

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

