

Stainless Steel Explosion-proof Distribution Box Specifications

Article Overview

Stainless steel explosion-proof distribution boxes are designed for hazardous areas with high corrosion resistance, IP66/IP67 protection, and compliance with Ex d and Ex tb certifications.

Construction and Materials

These distribution boxes are typically made from high-quality stainless steel, offering excellent corrosion resistance, mechanical strength, and durability in harsh environments . The enclosures may feature a brushed finish and stainless steel fasteners for enhanced anti-corrosion performance. Some models use die-cast aluminum or welded carbon steel for alternative designs, with powder-coated surfaces for aluminum or carbon steel .

Explosion Protection and Certifications

- Protection Types: Ex d (flameproof) and Ex tb (dust protection by enclosure) for gas and dust hazardous areas .
- Standards Compliance: ATEX, IECEx, UL, GB/T3836, IEC 60079 series .
- Hazardous Zones: Suitable for Zone 1, Zone 2, Zone 21, Zone 22, and Class I/II, Division 1 environments .
- Gas Groups: Commonly IIB+H₂, with some models supporting IIC .

Protection Ratings and Environmental Conditions...

Article Content

Jun 04, 2026

Ex Junction Boxes and Atex Enclosures · Atex Delvalle

The Ex enclosures are available in painted mild steel, stainless steel (AISI 304L and AISI 316L), aluminium and polyester and they

May 09, 2026

ESX Junction boxes

Stainless steel boxes have been of great advantage in many industrial plants. They offer safe protection even when they are

Dec 14, 2025

Explosion Protected Control Boxes |Innovations | R. STAHL

All contact elements, individual lamps and control elements can be installed directly inside the enclosure cover, making mounting

Aug 15, 2025

Terminal boxes | Junction boxes | Ex | Ex e | Ex d | ATEX | Explosion ...

Terminal boxes for safe installation in hazardous areas Safely conduct, connect and distribute energy in hazardous areas with R.

Mar 31, 2026

Explosion Proof Power Distribution Box

Explosion Proof Power Distribution Box - 415V, 50Hz - 16 Amps - 304 Stainless Steel - ATEX/ IP66 Rated Hover to zoom

Dec 17, 2025

BXM(D)8061 Series Illumination Distribution Box

A well-designed compartmentalized layout of explosion-proof lighting (power) distribution boxes, clear

May 18, 2026

Control Panels & Distribution Boards

Control Panels | atex & iecex Explosion Proof & Hazardous Area Zone 1 & Zone 2 Thorne & Derrick

Dec 05, 2025

Stainless steel Ex E Junction Boxes IP66

Stainless steel Ex E terminal and junction boxes "Terbox Series", has been developed for installations in hazardous areas 1, 2, 21

Dec 18, 2025

Explosion Proof Junction Box > Stainless Steel JB125 Series

STAINLESS STEEL JUNCTION BOX Explosion Proof Junction Box > Stainless Steel JB125 Series Product overview The JB125

Aug 13, 2025

Stainless Steel Explosion-Proof Corrosion-Resistant Distribution Box ...

The enclosure is formed by die-casting aluminum alloy or welding carbon steel or stainless steel. Aluminum alloy/carbon steel

Mar 06, 2026

Explosion-Proof Distribution Boxes | Product Center

Explosion-proof distribution boxes are designed to safely control and distribute electrical power in hazardous environments,

Mar 01, 2026

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.

Dec 03, 2025

Crouse-Hinds series EJB Explosionproof Enclosures catalog page

All Style C bodies are provided with captive, triple lead, quick release hex head stainless steel bolts with spring loaded action which

Jul 08, 2026

Distribution Boxes HRMD96 Series Explosion-proof Distribution Panels

·Equipped with specialized hinge structure, which can prevent the flameproof joints from damage when opening and closing the box,

Dec 04, 2025

Explosion Proof Junction Boxes | Proven ATEX | 2M Technology

2M Technology's explosion proof junction boxes are available in both 304 and 316L stainless steel configurations. For offshore

Feb 20, 2026

Ex Local Control Stations & Distribution Boxes

Atex control stations, explosion protected control units and distribution boxes made stainless steel

Nov 07, 2025

FACTORY SEALED POWER DISTRIBUTION & CONTROL

Flush mounting of explosion proof enclosure to termination box. No need for conduit between enclosure. 316L stainless steel

Nov 02, 2025

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

Available with a wide range of built in components. Enclosure: 316 stainless steel. Equipped with a

Jul 09, 2026

Full Guide on Explosion-Proof Distribution Panel

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

Jan 15, 2026

Ex d Enclosures

Technor EJB Stainless Steel Enclosure - request quote | T& D UK & Exports for competitive prices and fast delivery worldwide - call

Apr 05, 2026

European Explosion-Proof Enclosures | EX Industries

Robust and reliable stainless steel junction boxes designed for use in Zone 1, 2 (Gas) and Zone 21, 22

Apr 01, 2026

Stainless Steel Explosion-Proof Enclosures: Spec Guide

Specifying a stainless steel explosion-proof enclosure sits at the intersection of two separate code regimes

Jan 09, 2026

DISTRIBUTION BOARDS

DISTRIBUTION BOARDS HAZARDOUS AREA GRP CAST ALUMINIUM STAINLESS STEEL
SAFE AREA These are available in a

Jan 29, 2026

Cast stainless steel control/junction box

This solution is designed and tested to meet the standards of all industries and
applications where explosionproof protection is

Sep 24, 2025

Ex Local Control Stations & Distribution Boxes

Manufacture custom made Local Control Stations & Distribution Boxes, local control
panel boards and stations, explosion protected

Jan 13, 2026

Stainless Steel Explosion-Proof Junction Box EJX

EJX Stainless Steel Explosion-Proof Junction Box, ideal for hazardous areas,
safeguards against electrical sparks during wire

Feb 27, 2026

Power Distribution Systems | Explosion Protected | R. STAHL

Evolution in Power Distribution For decades, the only explosion protection technology
available in North America was the cast metal

Nov 02, 2025

Control cabinet panels (stainless steel and ATEX)

We fulfill the IEC 60079 standard for electrotechnical equipment with explosion
protection and your

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://www.iiss.co.za>

Email: sales@iiss.co.za

Phone: +27 63 174 2895

Address: Unit 8, Innovation Park, 15 Rivonia Road, Sandton, Johannesburg,
2196, South Africa

This document is for informational purposes only. Specifications subject to
change without notice.

