

Austrian constant temperature cabinet explosion-proof type



AI Overview

Austrian explosion-proof constant temperature cabinets provide safe storage and testing of flammable or explosive materials across a wide temperature range, certified for ATEX zones 1 and 2. Overview Austrian manufacturers such as RUMED and Weiss Technik offer constant temperature cabinets designed for explosion-proof operation in laboratory and industrial environments. These cabinets are suitable for storing solvent-containing pharmaceuticals, aerosols, and other flammable substances while maintaining precise temperature control from -20 °C to +80 °C depending on the model. Safety and Certification ATEX Compliance: Cabinets meet Directive 2014/34/EU requirements for equipment group II, category 2G, allowing use in Zone 1 (high-risk explosive atmosphere) and Zone 2 (lower-risk areas). Temperature Classes: Suitable for T1, T2, T3, and T4 temperature classes, compatible with explosion groups IIA and IIB. ISO Certification: RUMED cabinets are certified according to ISO 80079-34, ensuring high safety and manufacturing standards. Pressure-Proof Housing: Switch cabinets and fan motors are enclosed in pressure-proof housings to prevent ignition of surrounding atmospheres. Key Features Digital Control: Modern digital interfaces allow precise temperature regulation, program control, and optional complex multi-day cycles. Uniform Temperature Distribution: Recirculating air fans ensure consistent temperature throughout the cabinet. Explosion-Proof Refrigeration: Open compressors with belt drives and explosion-proof solenoid valves maintain precise cooling while preventing hazards. Material Construction: Stainless steel interiors and exteriors resist solvents and allow easy cleaning. Motor Safety: Fan motors inside the test chamber are disconnected automatically in case of failure, and for higher temperatures, motors...

Article Content

Explosion-proof constant temperature and humidity Test Chamber

The explosion-proof constant temperature and humidity test chamber is used for temperature and humidity testing in an explosion-proof environment. It provides stable temperature and humidity

Explosion-proof test chambers, ATEX

With activated explosion protection, the test chamber is classified into category 2, zone 1. With deactivated explosion protection regular temperature and climatic

Safety cabinet

EXPLORIS® safety cabinets comply with the highest fire resistance class (Type 90), are tested according to EN 14470-1 and have a GS mark. They are the best

Hazardous Chemical Storage Cabinet

Features□ 1. It has powerful fireproof, explosion-proof, and alarm functions, and can store flammable and explosive products, hazardous waste products, etc.; 2. It

Flammable Material and Explosion-Proof Storage

Household or commercial refrigerators and freezers are not suitable for flammable materials storage or for use in potentially hazardous conditions. Achieve maximum safety, meet stringent compliance

Explosion Proof Cabinet

Explosion-proof cabinet overall system solution In accordance with the needs of customers, Fornd designs locks, hinges, handles and other products used in explosion-proof cabinets. In line with high

RUMED explosion-proof cold/heat cabinet Safety X-Line

The explosion-proof solenoid valve bypass system ensures precise control. The refrigerating system is protected against malfunction by an explosion-proof

Industrial Ovens

Small footprint Precise temperature control throughout the entire workspace
Permanent monitoring of exhaust air flow Switch cabinet enclosed with

ATEXCOOL

These constant temperature conditions require cooling of the interior in hot regions and potentially heating in winter. ATEXCOOL offers both technologies in

VFT Fresh Air Drying Cabinet | Weiss Technik

Explosion-proof ATEX drying cabinet for the safe drying of large quantities of solvents
- Zone 1, T1-T4

SHEET STEEL CONTROL CABINET TREVA ATEX

The Treva ATEX enclosure series has been specially developed for use in potentially explosive atmospheres. The design and construction of the control cabinet correspond to the Treva series with

Explosion Proof Cabinets: Unmatched Safety for Hazardous

Explosion proof cabinets are specially designed storage solutions engineered to contain and protect valuable equipment in hazardous environments. Their main function is to prevent the ignition of

Ex Enclosure Systems

They are completely pre-assembled explosion protection enclosures made of resistant plastic including ATEX and IECEx approval. The special feature of the

Basic concepts for explosion protection

In such cases protection and safety are provided by equipment which is reliably explosion proof. Such solution, by providing type(s) of protection is referred to as secondary explosion protection. These

VFT Fresh Air Drying Cabinet | Weiss Technik -

The interior is explosion-proof, designed according to temperature classes T1, T2, T3, and T4, and complies with Directive 2014/34/EU for equipment group II,

R. STAHL | EXpressure | Enclosure technology | Ex

With EXpressure, hazardous explosion pressure resulting from an explosion escapes safely, controlled by the patented grid system. As a result, EXpressure

Explosion Proof Air Conditioners

Ex-Machinery manufactures Explosion Proof Air Conditioners that meet the requirements for ATEX zone 2 or 22. Brands: Mitsubishi, Daikin and Samsung.

RUMED explosion-proof cold/heat cabinet Safety X-Line

RUMED explosion-proof cold/heat cabinet Safety X-Line Explosion protection inside and outside If ignitable mixtures exist temporarily at the installation place, highest

Industrial Explosion Proof Cabinet Air Conditioner with

Industrial Explosion Proof Cabinet Air Conditioner with Constant Temperature & Humidity SENDO is a professional manufacturer of quality air conditioning

Ex Compact Cooling Unit ATEXCOOL 2000 / ATEXCOOL 4000

In hot climate regions, where constant climatic conditions are essential for these sensitive measurements, it is necessary to cool and, in the winter, possibly heat the interior.

Heating Systems With Options For Chemical Storage

Heating Options for Your Storage Building When storing chemicals that require a constant temperature at or above 40°F, our buildings provide unmatched security and safety for workers and materials.

R. STAHL | EXpressure | Enclosure technology | Ex

The new EXpressure technology revolutionises explosion protection. The Ex d enclosures for cabinets are lighter and feature minimum space requirements.

Laboratory Refrigerators with explosion-proof interior

Our USP: Maximum temperature stability and explosion proofness. When storing flammable or explosive substances, the ignition sparks and as a consequence

SYSBEL EN Fire-Resistant Safety Cabinets | TÜV Certified Chemical ...

SYSBEL EN Fire-Resistant Safety Cabinets play a vital role in personnel protection, fire prevention, regulatory compliance, and operational efficiency. For companies handling flammable substances,

Explosion proof Air Conditioners | Hazardous Areas

Looking for certified explosion proof (atex) air conditioner units? Explore Artidor's safe solutions for Zone 1 and Zone 2 hazardous areas here.

Contact Us

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