

Global Industrial Dust Explosion Vent Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Industrial Dust Explosion Vent market size is expected to reach \$ 767 million by 2032, rising at a market growth of 6.4% CAGR during the forecast period (2026-2032).

In 2025, global Industrial Dust Explosion Vent production reached approximately 617,949 units, with an average global market price of around USD 780 per unit.

The gross profit margin of major companies in the industry is between 28%-42%.

In 2025, the global production capacity of Industrial Dust Explosion Vent was approximately 813,000 units.

Industrial Dust Explosion Vent is a passive explosion protection device designed to safely relieve pressure generated by combustible dust explosions in enclosed process equipment. When internal pressure reaches a predetermined level, the vent panel ruptures in a controlled manner, releasing pressure and reducing structural damage to equipment and facilities. The product is widely installed on dust collectors, silos, dryers, bucket elevators, cyclones, filters, and other enclosed industrial process systems. The product boundary includes certified explosion vent panels and explosion vent assemblies, excluding explosion suppression systems, isolation valves, and explosion detection systems.

The industrial dust explosion vent industry chain includes upstream suppliers of stainless steel, composite materials, sealing materials, fastening components, and pressure-sensitive membranes; the midstream sector covers vent design, precision fabrication, calibration, certification, assembly, and quality testing; the downstream

sector includes food processing, grain handling, chemicals, pharmaceuticals, wood processing, metal powder manufacturing, battery materials, and other dust-generating industries. Market growth is driven by stricter industrial safety regulations, increasing investment in process safety, and modernization of industrial facilities.

This report studies the global Industrial Dust Explosion Vent production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Industrial Dust Explosion Vent and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Industrial Dust Explosion Vent that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Industrial Dust Explosion Vent total production and demand, 2021-2032, (K Units)

Global Industrial Dust Explosion Vent total production value, 2021-2032, (USD Million)

Global Industrial Dust Explosion Vent production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global Industrial Dust Explosion Vent consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: Industrial Dust Explosion Vent domestic production, consumption, key domestic manufacturers and share

Global Industrial Dust Explosion Vent production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global Industrial Dust Explosion Vent production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global Industrial Dust Explosion Vent production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Industrial Dust Explosion Vent market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Fike Corporation, REMBE GmbH Safety + Control, BS&B Safety Systems, LLC, Hoerbiger Holding AG, Continental Disc Corporation, Adix Explosion Protection SL, STIF S.A., DonadonSDD S.r.l., IEP Technologies LLC, CV Technology Inc., etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Industrial Dust Explosion Vent market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Industrial Dust Explosion Vent Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Industrial Dust Explosion Vent Market, Segmentation by Type:

Explosion Vent Panel

Flameless Explosion Vent

Explosion Vent Door

Global Industrial Dust Explosion Vent Market, Segmentation by Reset Capability:

Single-Use Explosion Vent

Reusable Explosion Vent

Global Industrial Dust Explosion Vent Market, Segmentation by Static Activation Pressure:

Low Pressure (0.3 bar)

Global Industrial Dust Explosion Vent Market, Segmentation by Application:

Food and Grain Processing Equipment

Woodworking Equipment

Chemical Powder Processing Equipment

Other

Companies Profiled:

Fike Corporation

REMBE GmbH Safety + Control

BS&B Safety Systems, LLC

Hoerbiger Holding AG

Continental Disc Corporation

Adix Explosion Protection SL

STIF S.A.

DonadonSDD S.r.l.

IEP Technologies LLC

CV Technology Inc.

Shenyang Aerospace Xinguang Safety Device Co., Ltd.

Shanghai Dute Safety Device Co., Ltd.

Chongqing Duyan Explosion Proof Tech Co., Ltd.

Wuxi Huatong Intelligent Safety Equipment Co., Ltd.

Jiangsu Feiyue Explosion-Proof Technology Co., Ltd.

Key Questions Answered:

1. How big is the global Industrial Dust Explosion Vent market?
2. What is the demand of the global Industrial Dust Explosion Vent market?
3. What is the year over year growth of the global Industrial Dust Explosion Vent market?
4. What is the production and production value of the global Industrial Dust Explosion Vent market?
5. Who are the key producers in the global Industrial Dust Explosion Vent market?
6. What are the growth factors driving the market demand?

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