

Global Rectangular Duct Silencer Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/G1960E8DA589EN.html>

Date: July 2026

Pages: 168

Price: US\$ 4,480.00 (Single User License)

ID: G1960E8DA589EN

Abstracts

The global Rectangular Duct Silencer market size is expected to reach \$ 320 million by 2032, rising at a market growth of 4.4% CAGR during the forecast period (2026-2032).

Rectangular duct silencers are noise-reduction devices installed within rectangular ventilation, air conditioning, and smoke extraction ductwork; they mitigate noise generated by fans, airflow, and equipment through the use of sound-absorbing materials and specialized airflow channel structures.

The upstream supply chain encompasses materials such as galvanized steel, stainless steel, glass wool, rock wool, perforated panels, flame-retardant fabrics, and sealing components, as well as sheet metal processing equipment. The downstream market targets applications in HVAC, general construction, industrial facilities, and cleanroom engineering projects. Globally, the average unit price for rectangular duct silencers stands at approximately \$500 per unit. Global sales volume is estimated at around 460,000 units, with an annual production capacity ranging from 650,000 to 850,000 units, and an industry profit margin of approximately 22%.

The global market for rectangular duct silencers is poised for steady growth, driven by increasing demands for energy-efficient buildings, enhanced indoor comfort, and industrial noise control. Future product development will prioritize features such as low airflow resistance, high noise attenuation, corrosion resistance, fire safety and flame retardancy, as well as ease of installation and maintenance, catering to complex environments such as commercial buildings, hospitals, data centers, rail transit systems, and industrial plants. With the expansion of green building initiatives, specialized cleanroom HVAC systems, and large-scale public construction projects, key future trends will include customized sizing, modular installation, BIM-integrated

collaborative design, and low-leakage ductwork systems. Concurrently, stricter environmental regulations and occupational health standards will drive the evolution of duct silencers toward the adoption of high-performance materials, lightweight structural designs, and extended service lifespans.

This report studies the global Rectangular Duct Silencer production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Rectangular Duct Silencer 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 Rectangular Duct Silencer that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Rectangular Duct Silencer total production and demand, 2021-2032, (Units)

Global Rectangular Duct Silencer total production value, 2021-2032, (USD Million)

Global Rectangular Duct Silencer production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Units), (based on production site)

Global Rectangular Duct Silencer consumption by region & country, CAGR, 2021-2032 & (Units)

U.S. VS China: Rectangular Duct Silencer domestic production, consumption, key domestic manufacturers and share

Global Rectangular Duct Silencer production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Units)

Global Rectangular Duct Silencer production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Units)

Global Rectangular Duct Silencer production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Units)

This report profiles key players in the global Rectangular Duct Silencer 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 TROX, Lindab, Systemair, Swegon, Fl?ktGroup, Price Industries, Greenheck, Ruskin, Kinetics Noise Control, Vibro-Acoustics, 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 Rectangular Duct Silencer market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (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 Rectangular Duct Silencer Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Rectangular Duct Silencer Market, Segmentation by Type:

Resistive Duct Silencer

Reactive Duct Silencer

Impedance Composite Duct Silencer

Micro-Perforated Plate Duct Silencer

Dissipative Duct Silencer

Global Rectangular Duct Silencer Market, Segmentation by Structure Type:

Rectangular Splitter Silencer

Rectangular Baffle Silencer

Rectangular Lined Duct Silencer

Rectangular Plenum Silencer

Elbow Duct Silencer

Global Rectangular Duct Silencer Market, Segmentation by Airflow Path:

Straight-Through Rectangular Silencer

Elbow Rectangular Silencer

Offset Rectangular Silencer

Multi-Channel Rectangular Silencer

Global Rectangular Duct Silencer Market, Segmentation by Application:

Commercial Building

Hospital

Data Center

Industrial

Metro and Rail Transit

Others

Companies Profiled:

TROX

Lindab

Systemair

Swegon

FlaktGroup

Price Industries

Greenheck

Ruskin

Kinetics Noise Control

Vibro-Acoustics

IAC Acoustics

Nailor

Aldes

France Air

Sasakura AE

Tylon

CATJC Taj Kee

GRAD Group

Shinelong

Halton

Xingheng Group

Key Questions Answered:

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

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