

Commercial Vehicle AC Valves Market – Global Industry Size, Share, Trends Opportunity, and Forecast, Segmented By Vehicle Type (LCV, M&HCV), By Sales Channel (OEM and Aftermarket), By Fuel Type (Gasoline and Diesel) By Region & Competition 2021-2031F

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Abstracts

The Global Commercial Vehicle AC Valves Market will grow from USD 1111.85 Million in 2025 to USD 1691.17 Million by 2031 at a 7.24% CAGR. Commercial Vehicle AC Valves are precision electromechanical components integrated into the heating, ventilation, and air conditioning systems of trucks, buses, and vans to regulate refrigerant flow and ensure thermal efficiency.

Key Market Drivers

The surge in global commercial vehicle production serves as a primary catalyst for the AC valves market, creating direct demand for refrigerant flow components across light and heavy-duty fleets. As logistics networks expand, manufacturers are increasing output of delivery vans to support last-mile distribution, necessitating a corresponding rise in thermal expansion and shut-off valves.

Key Market Challenges

The Global Commercial Vehicle AC Valves Market encounters significant friction due to volatility in raw material supply chains, specifically affecting the availability of aluminum and copper. As these metals are critical for the construction of durable and thermally efficient valve components, erratic price fluctuations and occasional logistical

bottlenecks rapidly inflate manufacturing costs. Suppliers often struggle to absorb these variance spikes or pass them on to Original Equipment Manufacturers (OEMs) due to rigid contract structures, resulting in compressed profit margins and reduced liquidity.

Key Market Trends

The incorporation of IoT sensors for smart valve monitoring is rapidly emerging as a transformative trend, fundamentally shifting components from passive mechanical devices to intelligent data nodes within software-defined vehicle (SDV) architectures. This digitalization allows for real-time diagnostics and precise flow modulation, enabling fleet operators to implement predictive maintenance strategies that prevent system failures before they occur.

Key Market Players

Mahle Group

Knorr-Bremse AG

Hitachi Ltd.

Federal-Mogul Holdings Corp

Eaton Corporation Plc.

Denso Corporation

FUJI OOX Inc.

FTE automotive GmbH

Delphi Automotive PLC

Continental AG

Report Scope:

In this report, the Global Commercial Vehicle AC Valves Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

Commercial Vehicle AC Valves Market, By Vehicle Type:

LCV

M&HCV

Commercial Vehicle AC Valves Market, By Sales Channel:

OEM and Aftermarket

Commercial Vehicle AC Valves Market, By Fuel Type:

Gasoline and Diesel

Commercial Vehicle AC Valves Market, By Region:

North America

United States

Canada

Mexico

Europe

France

United Kingdom

Italy

Germany

Spain

Asia Pacific

China

India

Japan

Australia

South Korea

South America

Brazil

Argentina

Colombia

Middle East & Africa

South Africa

Saudi Arabia

UAE

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Global Commercial Vehicle AC Valves Market.

Available Customizations:

Global Commercial Vehicle AC Valves Market report with the given market data, TechSci Research offers customizations according to a company's specific needs. The

following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

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