

Fire Extinguisher for Vehicle Market ? Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Product Type (Dry Chemical, Foam, CO2, Others), By Vehicle Type (Passenger Car, Heavy Commercial Vehicle (HCV), Light Commercial Vehicles (LCV)), By Region & Competition, 2021-2031F

<https://marketpublishers.com/r/F0D7891AA8F6EN.html>

Date: January 2026

Pages: 180

Price: US\$ 4,500.00 (Single User License)

ID: F0D7891AA8F6EN

Abstracts

The Global Fire Extinguisher for Vehicle Market is projected to expand from USD 1.18 Billion in 2025 to USD 1.62 Billion by 2031, reflecting a compound annual growth rate of 5.42%. These specialized active protection devices are designed to suppress thermal incidents involving flammable fuels, electrical systems, or combustible materials within automotive settings. Growth is primarily propelled by strict government safety mandates requiring suppression systems in public transit and commercial logistics fleets, a regulation deemed essential due to high on-road fire risks. For instance, the National Fire Protection Association estimated that 211,500 vehicle fires occurred in the United States in 2024, highlighting the critical need for reliable onboard safety equipment.

Conversely, the market faces a significant obstacle stemming from stringent environmental regulations concerning chemical suppression agents. Manufacturers are tasked with complex compliance processes to replace traditional chemicals with eco-friendly alternatives, a shift that substantially raises production costs. This financial strain disrupts supply chain operations and hinders the broader adoption of advanced extinguisher technologies, particularly in cost-sensitive emerging markets where affordability remains a key concern.

Market Driver

The surge in electric vehicle adoption and the need to mitigate thermal runaway risks are fundamentally reshaping the sector, as manufacturers focus on solutions for high-voltage battery fires. Unlike standard combustion fires, battery incidents often trigger thermal runaway, a volatile reaction necessitating specialized agents that provide rapid cooling to prevent re-ignition. This unique danger has hastened the creation of advanced onboard suppression systems. According to global data released by EV FireSafe in June 2024, there were 511 verified thermal runaway incidents in electric passenger vehicles worldwide, emphasizing the need for tailored safety innovations in the EV market.

At the same time, the enforcement of rigorous government safety mandates serves as a major catalyst for volume growth, particularly within heavy-duty logistics and public transportation. Regulatory authorities are increasingly imposing compulsory standards for automatic fire detection and suppression systems (FDSS) to safeguard passengers. For example, the Press Information Bureau noted in July 2024 that the Indian government had implemented strict fire protection rules for specific bus categories to reduce thermal incidents. This regulatory push is driving significant equipment adoption; Dafo Vehicle Fire Protection reported in November 2024 that it has distributed over 300,000 systems globally, illustrating widespread industry compliance.

Market Challenge

The primary obstacle facing the Global Fire Extinguisher for Vehicle Market is the financial and operational strain resulting from strict environmental regulations on chemical suppression agents. Manufacturers are forced to reformulate products to remove hazardous substances, requiring heavy capital investment in research and compliance testing. This transition markedly raises unit production costs, rendering advanced fire safety systems less affordable for fleet operators who are already navigating constrained operational budgets.

These escalating input costs directly impact supply chains and final pricing, thereby slowing growth in cost-sensitive regions. The severity of this financial pressure is reflected in recent supply chain volatility; the Fire Industry Association reported in 2024 that 86 percent of surveyed companies experienced supplier price increases over the previous year due to economic and regulatory factors. Such rising costs establish a formidable entry barrier for logistics providers in developing economies, effectively restricting the widespread uptake of modern vehicle fire suppression technologies.

Market Trends

The growth of aftermarket retrofit solutions for commercial fleets is emerging as a dominant trend, allowing operators to update legacy vehicles to meet current safety standards without the expense of replacing entire fleets. This approach is especially common in logistics and public transportation, where improved fire safety compliance is required for older engine platforms lacking factory-installed protection. Demand is driven by the necessity to limit liability and maintain business continuity; illustrating this scale, Reacton Fire Suppression announced in May 2024 that it secured a major contract to retrofit automatic fire protection on over 2,300 school buses in the United Arab Emirates.

Simultaneously, the move toward water mist and clean agent technologies is transforming product development, with manufacturers prioritizing non-toxic, high-performance methods for heavy-duty use. This shift is primarily driven by the industrial and mining sectors, which demand agents that cool high-temperature fires without damaging sensitive machinery, while also adhering to PFAS-free environmental standards. The validity of this technology is gaining formal traction; Fogmaker International reported in September 2024 that it received FM Approval for its high-pressure water mist system and reached an installed base of over 350,000 units globally, confirming the broad acceptance of eco-friendly solutions in rugged environments.

Key Market Players

Amerex Corporation

H3R Performance, Inc.

Buckeye Fire Equipment Company

United Technologies Corporation

Britannia Fire Ltd

Ceasefire Industries Pvt. Ltd

Yamato Protec Corporation

HOCHIKI Corporation

Flamestop Australia Pty Ltd

Johnson Controls International plc

Report Scope

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

Fire Extinguisher for Vehicle Market, By Product Type

Dry Chemical

Foam

CO2

Others

Fire Extinguisher for Vehicle Market, By Vehicle Type

Passenger Car

Heavy Commercial Vehicle (HCV)

Light Commercial Vehicles (LCV)

Fire Extinguisher for Vehicle 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 Fire Extinguisher for Vehicle Market.

Available Customizations:

Global Fire Extinguisher for Vehicle 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).

Contents

1. PRODUCT OVERVIEW

- 1.1. Market Definition
- 1.2. Scope of the Market
 - 1.2.1. Markets Covered
 - 1.2.2. Years Considered for Study
 - 1.2.3. Key Market Segmentations

2. RESEARCH METHODOLOGY

- 2.1. Objective of the Study
- 2.2. Baseline Methodology
- 2.3. Key Industry Partners
- 2.4. Major Association and Secondary Sources
- 2.5. Forecasting Methodology
- 2.6. Data Triangulation & Validation
- 2.7. Assumptions and Limitations

3. EXECUTIVE SUMMARY

- 3.1. Overview of the Market
- 3.2. Overview of Key Market Segmentations
- 3.3. Overview of Key Market Players
- 3.4. Overview of Key Regions/Countries
- 3.5. Overview of Market Drivers, Challenges, Trends

4. VOICE OF CUSTOMER

5. GLOBAL FIRE EXTINGUISHER FOR VEHICLE MARKET OUTLOOK

- 5.1. Market Size & Forecast
 - 5.1.1. By Value
- 5.2. Market Share & Forecast
 - 5.2.1. By Product Type (Dry Chemical, Foam, CO2, Others)
 - 5.2.2. By Vehicle Type (Passenger Car, Heavy Commercial Vehicle (HCV), Light Commercial Vehicles (LCV))
 - 5.2.3. By Region

- 5.2.4. By Company (2025)
- 5.3. Market Map

6. NORTH AMERICA FIRE EXTINGUISHER FOR VEHICLE MARKET OUTLOOK

- 6.1. Market Size & Forecast
 - 6.1.1. By Value
- 6.2. Market Share & Forecast
 - 6.2.1. By Product Type
 - 6.2.2. By Vehicle Type
 - 6.2.3. By Country
- 6.3. North America: Country Analysis
 - 6.3.1. United States Fire Extinguisher for Vehicle Market Outlook
 - 6.3.1.1. Market Size & Forecast
 - 6.3.1.1.1. By Value
 - 6.3.1.2. Market Share & Forecast
 - 6.3.1.2.1. By Product Type
 - 6.3.1.2.2. By Vehicle Type
 - 6.3.2. Canada Fire Extinguisher for Vehicle Market Outlook
 - 6.3.2.1. Market Size & Forecast
 - 6.3.2.1.1. By Value
 - 6.3.2.2. Market Share & Forecast
 - 6.3.2.2.1. By Product Type
 - 6.3.2.2.2. By Vehicle Type
 - 6.3.3. Mexico Fire Extinguisher for Vehicle Market Outlook
 - 6.3.3.1. Market Size & Forecast
 - 6.3.3.1.1. By Value
 - 6.3.3.2. Market Share & Forecast
 - 6.3.3.2.1. By Product Type
 - 6.3.3.2.2. By Vehicle Type

7. EUROPE FIRE EXTINGUISHER FOR VEHICLE MARKET OUTLOOK

- 7.1. Market Size & Forecast
 - 7.1.1. By Value
- 7.2. Market Share & Forecast
 - 7.2.1. By Product Type
 - 7.2.2. By Vehicle Type
 - 7.2.3. By Country

7.3. Europe: Country Analysis

7.3.1. Germany Fire Extinguisher for Vehicle Market Outlook

7.3.1.1. Market Size & Forecast

7.3.1.1.1. By Value

7.3.1.2. Market Share & Forecast

7.3.1.2.1. By Product Type

7.3.1.2.2. By Vehicle Type

7.3.2. France Fire Extinguisher for Vehicle Market Outlook

7.3.2.1. Market Size & Forecast

7.3.2.1.1. By Value

7.3.2.2. Market Share & Forecast

7.3.2.2.1. By Product Type

7.3.2.2.2. By Vehicle Type

7.3.3. United Kingdom Fire Extinguisher for Vehicle Market Outlook

7.3.3.1. Market Size & Forecast

7.3.3.1.1. By Value

7.3.3.2. Market Share & Forecast

7.3.3.2.1. By Product Type

7.3.3.2.2. By Vehicle Type

7.3.4. Italy Fire Extinguisher for Vehicle Market Outlook

7.3.4.1. Market Size & Forecast

7.3.4.1.1. By Value

7.3.4.2. Market Share & Forecast

7.3.4.2.1. By Product Type

7.3.4.2.2. By Vehicle Type

7.3.5. Spain Fire Extinguisher for Vehicle Market Outlook

7.3.5.1. Market Size & Forecast

7.3.5.1.1. By Value

7.3.5.2. Market Share & Forecast

7.3.5.2.1. By Product Type

7.3.5.2.2. By Vehicle Type

8. ASIA PACIFIC FIRE EXTINGUISHER FOR VEHICLE MARKET OUTLOOK

8.1. Market Size & Forecast

8.1.1. By Value

8.2. Market Share & Forecast

8.2.1. By Product Type

8.2.2. By Vehicle Type

8.2.3. By Country

8.3. Asia Pacific: Country Analysis

8.3.1. China Fire Extinguisher for Vehicle Market Outlook

8.3.1.1. Market Size & Forecast

8.3.1.1.1. By Value

8.3.1.2. Market Share & Forecast

8.3.1.2.1. By Product Type

8.3.1.2.2. By Vehicle Type

8.3.2. India Fire Extinguisher for Vehicle Market Outlook

8.3.2.1. Market Size & Forecast

8.3.2.1.1. By Value

8.3.2.2. Market Share & Forecast

8.3.2.2.1. By Product Type

8.3.2.2.2. By Vehicle Type

8.3.3. Japan Fire Extinguisher for Vehicle Market Outlook

8.3.3.1. Market Size & Forecast

8.3.3.1.1. By Value

8.3.3.2. Market Share & Forecast

8.3.3.2.1. By Product Type

8.3.3.2.2. By Vehicle Type

8.3.4. South Korea Fire Extinguisher for Vehicle Market Outlook

8.3.4.1. Market Size & Forecast

8.3.4.1.1. By Value

8.3.4.2. Market Share & Forecast

8.3.4.2.1. By Product Type

8.3.4.2.2. By Vehicle Type

8.3.5. Australia Fire Extinguisher for Vehicle Market Outlook

8.3.5.1. Market Size & Forecast

8.3.5.1.1. By Value

8.3.5.2. Market Share & Forecast

8.3.5.2.1. By Product Type

8.3.5.2.2. By Vehicle Type

9. MIDDLE EAST & AFRICA FIRE EXTINGUISHER FOR VEHICLE MARKET OUTLOOK

9.1. Market Size & Forecast

9.1.1. By Value

9.2. Market Share & Forecast

- 9.2.1. By Product Type
- 9.2.2. By Vehicle Type
- 9.2.3. By Country
- 9.3. Middle East & Africa: Country Analysis
 - 9.3.1. Saudi Arabia Fire Extinguisher for Vehicle Market Outlook
 - 9.3.1.1. Market Size & Forecast
 - 9.3.1.1.1. By Value
 - 9.3.1.2. Market Share & Forecast
 - 9.3.1.2.1. By Product Type
 - 9.3.1.2.2. By Vehicle Type
 - 9.3.2. UAE Fire Extinguisher for Vehicle Market Outlook
 - 9.3.2.1. Market Size & Forecast
 - 9.3.2.1.1. By Value
 - 9.3.2.2. Market Share & Forecast
 - 9.3.2.2.1. By Product Type
 - 9.3.2.2.2. By Vehicle Type
 - 9.3.3. South Africa Fire Extinguisher for Vehicle Market Outlook
 - 9.3.3.1. Market Size & Forecast
 - 9.3.3.1.1. By Value
 - 9.3.3.2. Market Share & Forecast
 - 9.3.3.2.1. By Product Type
 - 9.3.3.2.2. By Vehicle Type

10. SOUTH AMERICA FIRE EXTINGUISHER FOR VEHICLE MARKET OUTLOOK

- 10.1. Market Size & Forecast
 - 10.1.1. By Value
- 10.2. Market Share & Forecast
 - 10.2.1. By Product Type
 - 10.2.2. By Vehicle Type
 - 10.2.3. By Country
- 10.3. South America: Country Analysis
 - 10.3.1. Brazil Fire Extinguisher for Vehicle Market Outlook
 - 10.3.1.1. Market Size & Forecast
 - 10.3.1.1.1. By Value
 - 10.3.1.2. Market Share & Forecast
 - 10.3.1.2.1. By Product Type
 - 10.3.1.2.2. By Vehicle Type
 - 10.3.2. Colombia Fire Extinguisher for Vehicle Market Outlook

10.3.2.1. Market Size & Forecast

10.3.2.1.1. By Value

10.3.2.2. Market Share & Forecast

10.3.2.2.1. By Product Type

10.3.2.2.2. By Vehicle Type

10.3.3. Argentina Fire Extinguisher for Vehicle Market Outlook

10.3.3.1. Market Size & Forecast

10.3.3.1.1. By Value

10.3.3.2. Market Share & Forecast

10.3.3.2.1. By Product Type

10.3.3.2.2. By Vehicle Type

11. MARKET DYNAMICS

11.1. Drivers

11.2. Challenges

12. MARKET TRENDS & DEVELOPMENTS

12.1. Merger & Acquisition (If Any)

12.2. Product Launches (If Any)

12.3. Recent Developments

13. GLOBAL FIRE EXTINGUISHER FOR VEHICLE MARKET: SWOT ANALYSIS

14. PORTER'S FIVE FORCES ANALYSIS

14.1. Competition in the Industry

14.2. Potential of New Entrants

14.3. Power of Suppliers

14.4. Power of Customers

14.5. Threat of Substitute Products

15. COMPETITIVE LANDSCAPE

15.1. Amerex Corporation

15.1.1. Business Overview

15.1.2. Products & Services

15.1.3. Recent Developments

- 15.1.4. Key Personnel
- 15.1.5. SWOT Analysis
- 15.2. H3R Performance, Inc.
- 15.3. Buckeye Fire Equipment Company
- 15.4. United Technologies Corporation
- 15.5. Britannia Fire Ltd
- 15.6. Ceasefire Industries Pvt. Ltd
- 15.7. Yamato Protec Corporation
- 15.8. HOCHIKI Corporation
- 15.9. Flamestop Australia Pty Ltd
- 15.10. Johnson Controls International plc

16. STRATEGIC RECOMMENDATIONS

17. ABOUT US & DISCLAIMER

I would like to order

Product name: Fire Extinguisher for Vehicle Market ? Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Product Type (Dry Chemical, Foam, CO2, Others), By Vehicle Type (Passenger Car, Heavy Commercial Vehicle (HCV), Light Commercial Vehicles (LCV)), By Region & Competition, 2021-2031F

Product link: <https://marketpublishers.com/r/F0D7891AA8F6EN.html>

Price: US\$ 4,500.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/F0D7891AA8F6EN.html>