

Fire Protection System Pipes Market Size, Share & Trends Analysis Report By Material Type (Steel, CPVC, Copper), By End-use (Residential, Commercial, Industrial, Infrastructural), By Region, And Segment Forecasts, 2025 - 2033

<https://marketpublishers.com/r/F4910CE2A3B7EN.html>

Date: August 2025

Pages: 107

Price: US\$ 5,950.00 (Single User License)

ID: F4910CE2A3B7EN

Abstracts

Fire Protection System Pipes Market Summary

The global fire protection system pipes market size was estimated at USD 22.37 billion in 2024 and is projected to reach USD 38.11 billion by 2033, growing at a CAGR of 6.1% from 2025 to 2033. The demand for fire protection system pipes is increasing due to rising urbanization, expansion of commercial complexes, and stricter safety codes worldwide.

With growing high-rise construction and industrial activities, the need for reliable fire suppression infrastructure is more critical than ever. Insurance companies and regulators are mandating advanced fire safety installations in residential, commercial, and industrial buildings, thereby boosting adoption. In addition, public awareness regarding safety and property protection has risen significantly. The increasing occurrence of fire accidents globally is further compelling stakeholders to invest in robust systems

Key drivers include stricter building safety codes, increasing investments in infrastructure, and the growth of industries prone to fire hazards, such as petrochemicals, power plants, and manufacturing. Insurance premium benefits for fire-protected buildings also encourage adoption. The rising construction of smart cities and megaprojects, especially in Asia-Pacific and the Middle East, is pushing demand for fire protection system pipes. The trend of prefabricated buildings and modular construction

has also accelerated the installation of advanced piping systems.

Governments across regions are implementing strict fire safety regulations, thereby mandating installation of certified fire protection pipes in buildings. In the U.S., NFPA (National Fire Protection Association) codes regulate fire safety measures in all public and commercial spaces. In Europe, EN standards mandate compliance in both new and renovated buildings. In emerging economies, governments are integrating fire protection into urban planning initiatives such as India's Smart Cities Mission and China's urban infrastructure expansion. Middle Eastern countries like Saudi Arabia and UAE enforce strict fire safety codes in high-rise and oil & gas projects.

Global Fire Protection System Pipes Market Report Segmentation

This report forecasts revenue growth at the regional & country levels and provides an analysis of the industry trends in each of the sub-segments from 2021 to 2033. For this study, Grand View Research has segmented the global fire protection system pipes market report based on the material type, end use, and region:

Material Type Outlook (Revenue, USD Million, 2021 - 2033)

Steel

CPVC

Copper

Others

End Use Outlook (Revenue, USD Million, 2021 - 2033)

Residential

Commercial

Industrial

Infrastructural

Regional Outlook (Revenue, USD Million, 2021 - 2033)

North America

U.S.

Canada

Mexico

Europe

UK

Germany

France

Spain

Asia Pacific

China

Japan

India

South Korea

Central & South America

Middle East & Africa

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