

# Fire Pump Market to Hit \$1.1 Billion by 2032, Driven by Industrial Growth & Safety Regulations

□ *Global Fire Pump Market Trends 2023-2032 | Asia-Pacific & Industrial Applications Driving Growth* □

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According to a report by Allied Market Research, the global [fire pump market](#) size was valued at \$0.7 billion in 2022 and is projected to reach \$1.1 billion by 2032, growing at a CAGR of 4.6% from 2023 to 2032. Rising demand from

industrial sectors, stringent fire safety regulations, and rapid infrastructure development across Asia-Pacific are driving the adoption of advanced fire pump systems globally.



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Fire pump market to reach \$1.1B by 2032, fueled by industrial infrastructure, power plants, and Asia-Pacific construction demand.”

*Allied Market Research*

□ What Are Fire Pumps?

Fire pumps are specialized pumps designed to boost water pressure within fire protection systems. Typically connected to a municipal water supply or dedicated tank, these pumps ensure consistent and adequate water flow for firefighting equipment, including hoses and sprinkler systems, even during low-pressure conditions.

Fire pumps fall into two main categories:

**Centrifugal Pumps:** Use impellers to impart kinetic energy to water, increasing its pressure.

**Positive Displacement Pumps:** Trap a fixed amount of water and force it through discharge pipes, providing steady flow rates.

Compliant with NFPA (National Fire Protection Association) standards, fire pumps are critical to building and [industrial fire safety systems](#).

#### □ Fire Pump Market Growth Drivers

**Industrial Sector Demand:** Manufacturing facilities, power plants, and large commercial complexes rely on fire pumps to safeguard critical infrastructure and minimize operational downtime in emergencies.

**Power Generation Protection:** From traditional power plants to renewable facilities, fire pumps play a vital role in preventing fire damage to critical energy infrastructure.

**Urbanization & Construction:** Rapid urbanization, especially across Asia-Pacific, fuels demand for fire pumps in high-rise buildings, transportation hubs, healthcare centers, and retail spaces.

**Advanced Fire Protection Systems:** Fire pumps now integrate into modern suppression systems, including foam and water monitors, enhancing fire response capabilities in industrial and commercial applications.

**Safety Regulations:** Growing emphasis on workplace safety and stringent fire safety norms drive market growth globally.

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#### □ Fire Pump Market Segmentation Insights

##### By Product Type:

**Horizontal Split Case:** Fastest-growing segment due to its versatile applications across municipal and industrial sectors. Compact design and easy maintenance are key advantages.

**Vertical Split Case, Vertical In-Line, Vertical Turbine, and End Suction:** These pump types cater to specialized fire safety needs in diverse facilities.

##### By Power Source:

**Diesel-Powered Fire Pumps:** Held the largest market share in 2022, valued for their reliability in emergency situations.

**Electric, Gasoline, and Others (including dual and steam-powered pumps):** The "others" segment is the fastest-growing category, driven by the adoption of dual pumps for continuous fire protection and steam-driven pumps for offshore platforms.

## By Application:

**Industrial Application:** Fastest-growing segment. Industrial plants, transportation hubs, and healthcare facilities rely on fire pumps for protecting assets and ensuring operational continuity.

**Commercial, Field Emergency, and Others:** Commercial spaces like shopping centers increasingly integrate fire pump systems for enhanced safety compliance.

## By Region:

**Asia-Pacific:** The fastest-growing and highest revenue-generating region in 2022. Rapid construction activities in China, India, and Southeast Asia, combined with rising investments in power generation infrastructure, drive regional demand.

**North America, Europe, and LAMEA:** These regions also exhibit steady market growth, supported by safety mandates and industrial expansions.

## □ Key Market Players

Leading companies in the fire pump industry include:

Shaanxi Aerospace Power Hi-Tech Co. Ltd

Canariis Corporation

Grundfos Pumps Corporation

Xylem

Pentair plc

Cet Fire Pumps MFG Inc

EBARA CORPORATION

Sulzer Ltd.

Shanghai Zhong Quan Pump Manufacturing Co. Ltd

Shanghai Liancheng (Group) Co., Ltd

These players focus on product innovation, smart technology integration, and expanding regional footprints to capitalize on emerging opportunities in the fire pump market.

## ▣ Market Trends & Future Outlook

▣ Integration of Smart Technologies: Modern electric fire pumps feature real-time monitoring and IoT-based controls, enhancing emergency response capabilities in commercial buildings.

▣▣ Investment in Infrastructure Protection: Fire pumps help protect high-value industrial and commercial infrastructure, driving their adoption in new construction and facility upgrades.

▣ Industrial Expansion: The need for [fire suppression systems](#) in airports, factories, power plants, and hospitals is fueling sustained demand.

▣ Asia-Pacific Construction Boom: Ongoing urban development projects in China, India, Singapore, and Japan underscore the importance of fire pumps in modern high-rise and industrial construction.

▣ Sustainable Innovations: Manufacturers are exploring energy-efficient and environmentally friendly pump designs, aligned with global green building trends.

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## ▣ Conclusion

The global fire pump market is set for steady growth through 2032, driven by expanding industrial infrastructure, strict fire safety regulations, and rapid construction activities in emerging economies. As industries prioritize operational safety and regulatory compliance, fire pumps will remain a critical component of modern fire protection systems.

Manufacturers focusing on smart pump technologies, diversified power sources, and eco-friendly solutions will likely dominate the evolving fire pump industry landscape.

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business insights and consulting to assist its clients to make strategic business decisions and achieve sustainable growth in their respective market domain.

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