

## **Fire Pump Controllers Market Growth Analysis - Market Size, Share, Forecast Trends and Outlook Report (2025-2034)**

Market Report | 2025-08-13 | 179 pages | EMR Inc.

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### **Report description:**

The global fire pump controllers market reached a value of around USD 1390.00 Million in 2024 . This market is further estimated to grow at a CAGR of 6.01% between 2025 and 2034 to reach USD 2491.63 Million by 2034 .

Pump controllers serve as essential equipment controllers integrated with control panels to oversee pump operations. They are designed to monitor and regulate the flow of substances within pumps, ensuring the desired flow rate is achieved. These controllers are programmed to independently activate and deactivate the pumps they oversee, responding to operational needs. Additionally, they manage motor speed and maintain the necessary pressure levels within the pumps.

Countries like China, India, and Japan are experiencing significant growth in the construction sector , leading to a higher demand for fire protection systems, including fire pump controllers, to ensure the safety of buildings and occupants.

### **Key Trends and Developments**

Presence of stringent safety regulations; rapid advancements in technologies; expanding construction sector; and advanced safety features are impacting the fire pump controllers market growth

Jan 22, 2024

Armstrong Fluid Technology, a leading manufacturer of intelligent fluid flow equipment such as pumps, valves, heat exchangers, and control solutions, has launched Fire Manager, an innovative cloud-based solution that offers real-time monitoring.

Jun 3, 2022

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Peerless Pump Company, a key player in the fire protection industry and a wholly owned company of the Grundfos Group, has strengthened its partnership with AMI Global LLC, an emerging leader in industrial IoT solutions.

Apr 26, 2022

Johnson Controls, a leading fire equipment manufacturer, acquired Powertec Pumps Ltd, a British company specializing in pump-related services. This acquisition expands Johnson Controls' portfolio and strengthens its presence in the UK.

#### Stringent fire safety regulations

Governments worldwide are enforcing stricter fire safety regulations for buildings, mandating the installation of advanced fire protection systems. For example, the National Fire Protection Association (NFPA) in the United States has set standards for the installation and maintenance of fire pump controllers, leading to increased adoption in new constructions and retrofitting of existing buildings.

#### Innovation and technological advancements

New technologies such as remote monitoring, integration with building management systems, and improved energy efficiency are gaining traction in the market. For example, manufacturers like Eaton and Grundfos have introduced fire pump controllers with advanced connectivity and control features, enabling better management and reliability of fire suppression systems.

#### Growing construction sector

The expanding construction sector, particularly in emerging economies and urban renewal projects, presents a fertile market for fire safety equipment, including fire pump controllers, as developers prioritize building safety measures.

#### Improved safety features

Fire pump controllers are equipped with a wide range of safety features including fault detection, automatic shut-off mechanisms, and redundancy systems, providing robust protection against fire outbreaks.

#### Fire Pump Controllers Market Trends

The demand for state-of-the-art fire pump controllers is driven by the growing investment in robust fire safety infrastructure. This is supported by the heightened awareness of the devastating impact of fire incidents on lives and property.

Stringent enforcement of fire safety regulations and building codes worldwide drives the demand for compliant fire pump controllers, creating opportunities for manufacturers to develop innovative solutions that meet evolving standards. For example, compliance requirements to meet industry Standards, UL 218 and AS2941 for Fire Pump Controller Panel, are critical to help facilities contain the fire, mitigate damages, and ensure safety. □Also, regulations differ from country to country.

#### Fire Pump Controllers Industry Segmentation

"Global Fire Pump Controllers Market Report and Forecast 2025-2034" offers a detailed analysis of the market based on the following segments:

#### Market Breakup by Application

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- Electric
- Diesel
- Others

#### Market Breakup by End Use

- Industrial
- Commercial
- Residential

#### Market Breakup by Region

- North America
- Europe
- Asia Pacific
- Latin America
- Middle East and Africa

#### Fire Pump Controllers Market Share

Based on the application, electric controllers account for a significant share of the market

The demand for electric fire pump control is expected to grow as it is focused more on the power source, such as the motor's size, its efficiency, and operating conditions for fire pump controllers, and limited natural resources, such as diesel, etc.

Diesel engine fire pump controllers are made specifically to sense a drop in the fire protection system's pressure and initiate a diesel engine-driven fire pump on its own. It allows the system to be started and stopped both manually and automatically.

Based on end use, the industrial sector dominates the fire pump controllers market due to the growing need to adhere to regulatory compliance

Keeping highly flammable or explosive materials safely stored is a concern for many industrial buildings. One such example is lithium-ion battery energy storage systems. Data centres, phone networks, power plants, fuel storage facilities, manufacturing plants, and warehouses represent some of the sensitive and high-risk industrial uses. The surging requirement for fire pump controllers to safeguard buildings from fire is therefore driving the market growth.

Fire pump controllers are necessary in all commercial buildings, including hotels, hospitals, office buildings, and airports, to safeguard people and property against fires.

Residential fire pump controllers are designed to protect, start, and stop centrifugal fire pumps to enhance occupant safety. These controllers are used with electric-driven pumps, which can be either automatic or manual.

#### Leading Manufacturers in the Fire Pump Controllers Market

The market players are focusing on improving product technology, innovation, performance, design, service quality, and pricing to gain competitive advantage.

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## Eaton Corporation PLC

Eaton Corporation is a power management company, based in Dublin, Ireland. The company has 330 manufacturing facilities in 42 countries, including locations in the United States, Ireland, and Australia.

## Grundfos Holding A/S

Grundfos Holding A/S specializes in the creation and maintenance of cutting-edge water technology and pump systems. Headquartered in Denmark, Grundfos operates in more than 60 countries, spanning across Europe, Asia, the Americas, Africa, and the Middle East.

## NAFFCO FZCO

NAFFCO FZCO, headquartered in Dubai is among the world's leading producers and suppliers of top-tier firefighting equipment, fire doors, life safety and security systems including fire detection, alarm, suppression, emergency and exit lighting and ELV systems.

## Tornatech Inc.

Tornatech is a family-owned enterprise that specializes in designing and manufacturing fire pump controllers. Founded in 1985, the company has its manufacturing facilities situated in Canada, Belgium, and the U.A.E.

## Hubbell Incorporated

The company is a premier manufacturer of utility and electrical solutions headquartered in the USA. Hubbell has a portfolio of 75 renowned and esteemed brands.

## Fire Pump Controllers Market Analysis by Region

Emerging economies like India, Taiwan, and Southeast Asia are experiencing a surge in manufacturing facilities, leading to a growing demand for fire pumps and controller systems. East Asia, which contributes to two-thirds of global GDP, has led to an increase in domestic manufacturing capabilities through strategic government interventions. The market for fire pump controllers in the coming years will be driven by federal regulations, safety awareness, rapid urbanization, and widespread safety precautions.

To ensure fire safety, buildings and facilities are required to adhere to stringent regulatory standards and codes set forth by organizations like the NFPA (National Fire Protection Association) in the United States. These regulations mandate the installation and upkeep of fire pump controllers.

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