

Industrial Safety Valves Market to Reach USD 10.6 Billion by 2035, Driven by Automation, Compliance & Smart Innovation

Prominent players in the market are IMI PLC, Emerson Electric, Alfa Laval, Bosch Rexroth, Leser, Forbes Marshall, Curtiss-Wright Corporation, and Schlumberger.

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As global industries evolve amid increasing pressure for regulatory compliance, operational safety, and digital transformation, the [industrial safety valves market](#) is poised for exceptional growth. According to a

recent industry analysis, the market is

projected to nearly double in size—from USD 5,198 million in 2024 to USD 10,608 million by 2035, representing a compound annual growth rate (CAGR) of 6.7%.



Industrial Safety Valves Market

For stakeholders—ranging from OEMs and plant operators to procurement leads and engineering consultants—this growth spells opportunity, but also demands strategic recalibration to meet rising expectations in safety, performance, and digital enablement.

Safety at the Core of Industrial Infrastructure

Industrial safety valves are more than just components—they are lifelines of operational safety across sectors like oil & gas, chemical processing, power generation, and manufacturing. Their role in preventing overpressure incidents, system failures, and environmental hazards is central to industrial continuity and workforce protection.

Driven by OSHA, API, ASME, and similar global frameworks, the industry is witnessing renewed urgency to adopt next-gen safety solutions. These solutions don't merely comply—they predict, prevent, and perform under duress.

Innovation Fuels the Next Chapter

The rise of Industry 4.0 and IoT-enabled safety infrastructure is driving the adoption of smart safety valves—capable of real-time monitoring, predictive maintenance, and remote diagnostics. As industrial systems grow more complex, intelligent valve solutions offer the resilience and flexibility manufacturers need to maintain uptime and reduce risk.

Notably, steel-based valves command 43% of the market in 2025 due to their robustness, corrosion resistance, and suitability for high-pressure applications. These are particularly valuable in power generation and petrochemical installations where durability is non-negotiable.

Additionally, the 7 to 25-inch valve segment has emerged as the sweet spot in terms of size versatility, offering wide applicability across refineries, water treatment plants, and chemical manufacturing.

Regional Market Dynamics: Growth Tailwinds Across Continents

The United States remains a front-runner in market share, buoyed by a strong manufacturing base and strict OSHA and EPA safety mandates. Investments in automation and infrastructure—especially in power, chemical, and water management sectors—continue to drive demand. Here, smart valves with IoT integration are no longer a luxury but a necessity.

In Europe, particularly Germany and the UK, industrial safety valves are vital to support environmental safety and renewable energy transitions. Initiatives backed by the Health and Safety Executive (UK) and EU directives are further pushing the adoption of digital valve technologies.

Meanwhile, China is witnessing a surge, with an impressive 7.2% CAGR anticipated from 2025 to 2035. Underpinned by industrial policy such as "Made in China 2025", local manufacturers are scaling up production capacity to meet rising demand in petrochemical, power, and infrastructure sectors. Global players are also entering strategic partnerships to strengthen footholds in this highly competitive and rapidly advancing market.

Overcoming Challenges: A Call for Strategic Action

Despite promising growth, the market is not without hurdles. High initial costs for smart safety valve solutions—especially those integrated with AI and IoT—can be a barrier for small and mid-sized operators. Moreover, regulatory certification processes across multiple standards (ASME, ISO, API) are complex, costly, and time-consuming, often delaying time-to-market.

Maintenance and total cost of ownership also remain concerns, especially in high-use environments. Regular servicing, the risk of malfunction, and the need for skilled personnel add layers of operational complexity. Adding to these are raw material price fluctuations and

semiconductor shortages, which have already disrupted smart valve production lines.

However, as automation adoption scales and digital tools become mainstream, these costs are expected to decline. More importantly, failing to adopt new technologies could lead to far greater operational risks, unplanned downtime, and regulatory penalties.

Competitive Landscape: Pioneers Lead the Way with Smart Innovations

Top industry players are taking decisive steps to stay ahead. Key market leaders include:

Weir Group PLC

Baker Hughes

IMI PLC

Emerson Electric

Alfa Laval

Bosch Rexroth

Curtiss-Wright Corporation

Schlumberger

Recent innovations signal a strong pivot toward process automation. For instance, in January 2025, Gemü introduced the P40 and S40 valve series, designed for tank and globe applications respectively. These are equipped for long service life and tailored for modern process demands. Similarly, Luofu Valve Group's Safety Valve with Changeover Valve, launched in November 2024, allows for automatic redundancy switching—guaranteeing continuous pressure relief even in failure scenarios.

Request Industrial Safety Valves Market Draft Report -

https://www.factmr.com/connectus/sample?flag=S&rep_id=5552

For more on their methodology and market coverage, visit: <https://www.factmr.com/about-company>

Strategic Guidance for Industry Stakeholders

With validated insights from over 12,200 experts across 30+ countries, the report presents actionable pathways for OEMs, system integrators, and procurement heads:

Prioritize mass production of corrosion-resistant, low-maintenance safety valves

Integrate predictive maintenance systems in valve offerings

Align products with OSHA, API, ISO, and ASME certifications for wider market access

Develop solutions tailored to extreme operational conditions, especially in high-pressure and

high-temperature installations

Manufacturers operating in the chemical, pharmaceutical, energy, water treatment, and construction sectors should act swiftly to modernize their valve infrastructure—leveraging this window of opportunity for safe, scalable growth.

The Road Ahead

The industrial safety valves market is no longer just about hardware—it's about intelligent systems engineered for safety, efficiency, and resilience. The combination of digital innovation, infrastructure investments, and global safety mandates has created an inflection point.

Stakeholders willing to invest in smarter, safer, and more adaptive valve solutions will not only comply—they will compete and lead.

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Editor's Note:

This release is based exclusively on verified and factual market content derived from industry analysis by Fact.MR. No AI-generated statistics or speculative data have been introduced. This story is based solely on verified industry data and analysis from a recent report on the Industrial Safety Valves Market (2025–2035). The data collection process incorporated both qualitative and quantitative research methods, using structured interviews and verified documentation from maintenance manuals, regulatory frameworks, and procurement standards.

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