

Steam Trap Market by Mechanical (Ball Float, Inverted Bucket), Thermodynamic, Thermostatic (Balanced Pressure, Bimetallic, Liquid Expansion, Bellowed), Steel, Iron, Tracing, Drip, Process, Screwed, Flanged, Swivel, Oil & Gas - Global Forecast to 2029

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Report description:

The global steam trap market was valued at USD 4.57 billion in 2024 and is projected to reach USD 5.57 billion by 2029; it is expected to register a CAGR of 4.1% during the forecast period. Rising demand for energy-efficient systems is driving the growth of the steam trap market. Whereas need for substantial recurring and operational expenses is restraining the growth of the steam trap market.

"Thermodynamic segment is expected to account for the largest share in steam trap market."

Thermodynamic steam traps rely on the mechanism of temperature differential, which can distinguish between the hot live steam and relatively cold condensate. Thermodynamic steam traps are generally offered at competitive prices that make them an attractive choice for business looking for optimization of energy cost. Further, due to the fact that such steam traps are available from most manufacturers, procurement is achieved easily and continuously without constraints relating to size or scale of any industry. Not only does this widespread availability make purchasing easier, but also the flexibility in sourcing is feasible as firms can purchase from several suppliers for the needs perceived to be met by the specific requirements, such as price, quality, and delivery times.

"Steel segment is likely to hold the largest share in steam trap market in 2024."

Steel steam traps holds the largest share of the steam trap market due to their great strength and tensile strength, along with their resistance capabilities to pressures and high temperature. These properties make them more suitable for demanding

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industrial applications in oil & gas, chemical, and energy & power industry groups where performance consistency and long service life are crucial. Steel steam traps have fewer corrosion properties and, therefore, find preference in aggressive or hazardous fluids. The widespread nature across different industries, which provides consistent results under rough operating conditions, contributes to a leading position in the market for steel steam traps.

"Asia Pacific is expected to hold the largest market share of the steam trap market in 2029."

Asia Pacific is expected to hold the largest market share of the steam trap market due to the region's extensive industrialization and expanding infrastructure. Industries like oil and gas, chemicals, food and beverages, pharmaceuticals, require steam traps; they enhance the efficiency of steam management and provide a loss in energy. In addition, requirements for energy in developing countries across Asia Pacific are growing, and hence the development of power plants is on the rise, with the resultant growth of steam trap demand in the steam-based energy system. The large infrastructure projects of industrial facilities and energy plants that started long ago has increased the demand for steam traps, and with this trend, Asia Pacific has maintained its leading position in the market.

Breakdown of primaries

The study contains insights from various industry experts, ranging from component suppliers to Tier 1 companies and OEMs. The break-up of the primaries is as follows:

- By Company Type - Tier 1 - 40%, Tier 2 - 35%, Tier 3 - 25%
- By Designation- C-level Executives - 45%, Directors - 35%, Others - 20%
- By Region-North America - 30%, Europe - 25%, Asia Pacific - 40%, RoW - 5%

The steam trap market is dominated by a few globally established players such as Spirax Group plc (UK), Emerson Electric Co. (US), Thermax Limited (India), SLB(US), Velan Inc (Canada), Watts (US), Armstrong International Inc. (US), TLV CO., LTD. (Japan), Forbes Marshall (India), Xylem (US). The study includes an in-depth competitive analysis of these key players in the steam trap market, with their company profiles, recent developments, and key market strategies.

Research Coverage:

The report segments the steam trap market and forecasts its size by product type, connection, body material, pressure, size, application, end user industry, and region. The report also discusses the drivers, restraints, opportunities, and challenges pertaining to the market. It gives a detailed view of the market across four main regions-North America, Europe, Asia Pacific, and RoW. Supply chain analysis has been included in the report, along with the key players and their competitive analysis in the steam trap ecosystem.

Key Benefits to Buy the Report:

- Analysis of key drivers (Rising demand for energy efficient steam systems, increasing integration of automation in steam systems and need to enhance manufacturing efficiency and compliance with environmental regulations). Restraint (Need for substantial recurring and operational expenses), Opportunity (Rapid economic growth in emerging economies, Integration of steam traps with IoT sensors), Challenges (Lack of awareness about benefits of steam trap systems).
- Product Development/Innovation: Detailed insights on upcoming technologies, research and development activities, and new product launches in the steam trap market.
- Market Development: Comprehensive information about lucrative markets - the report analyses the steam trap market across varied regions
- Market Diversification: Exhaustive information about new products and services, untapped geographies, recent developments, and investments in the steam trap market.
- Competitive Assessment: In-depth assessment of market shares, growth strategies, and service offerings of leading players Spirax Group plc (UK), Emerson Electric Co. (US), Thermax Limited (India), SLB (US), Velan Inc (Canada) among others in the

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steam trap market.

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