+357 96 030922
info@marketpublishers.com

Steam Trap Market ? Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Product (Thermodynamic, Mechanical & Thermostatic), By Application (Drip Application, Process Application & Tracing Application), By Body Material (Steel, Iron & Others), By Industry (Chemicals, Energy and Power, Food & Beverages, Oil & Gas, Pharmaceuticals, Others), By Region & Competition, 2021-2031F

https://marketpublishers.com/r/S74DE24B4408EN.html
Date: January 2026
Pages: 180
Price: US$ 4,500.00 (Single User License)
ID: S74DE24B4408EN

Abstracts

The Global Steam Trap Market is projected to expand from USD 4.77 Billion in 2025 to USD 6.37 Billion by 2031, registering a CAGR of 4.94%. A steam trap functions as an automatic valve designed to discharge condensate, air, and non-condensable gases while preventing the escape of live steam, thereby ensuring optimal heat transfer. The market's growth is primarily driven by an increasing industrial focus on energy efficiency and strict government regulations regarding carbon emissions, which compel facilities to minimize thermal losses. Reflecting this growth, the VDMA reported that the industrial valves sector, which includes steam trap technologies, achieved a nominal sales increase of 6 percent in 2024.

Despite this positive momentum, the market faces a significant hurdle due to the high initial capital required for advanced monitoring systems. While intelligent steam traps offer superior predictive maintenance capabilities, the substantial upfront costs and technical complexities associated with retrofitting aging infrastructure often discourage cost-conscious operators. Consequently, these financial barriers impede the widespread adoption of modern solutions, as decision-makers frequently defer

modernization projects in favor of essential operational repairs.

Market Driver

The integration of IIoT-based smart monitoring and predictive maintenance is fundamentally transforming the Global Steam Trap Market. Industrial operators are increasingly deploying wireless sensors and centralized software to detect failures, such as cold traps or blow-throughs, in real-time, effectively minimizing unplanned downtime. This digital evolution facilitates a shift from reactive to condition-based maintenance strategies, significantly optimizing labor allocation and system reliability. The scale of this technological adoption is evidenced by Armstrong International, which reported in 2024 that users of their SAGE thermal utility management platform have collectively added over one million steam traps, highlighting the widespread implementation of digital intelligence to secure asset health.

Simultaneously, the growing demand for industrial energy conservation and cost reduction acts as a critical driver for market expansion. Since steam generation constitutes a major operational expense and source of carbon emissions, facilities are aggressively retrofitting aging infrastructure to improve thermal efficiency and comply with stringent environmental mandates. Major industrial players are dedicating vast resources to these initiatives; for example, Dow committed in October 2024 to investing approximately $1 billion annually to decarbonize its assets, directly influencing the demand for efficient steam management components. This positive investment climate is echoed in the broader flow control sector, with the British Valve and Actuator Association projecting in November 2024 that global valve consumption would rise by 3.6% to reach US$88.1 billion.

Market Challenge

The high initial capital requirement for advanced monitoring systems constitutes a significant barrier to the expansion of the Global Steam Trap Market. Although intelligent steam traps provide superior failure detection capabilities, the costs associated with purchasing these sophisticated units and retrofitting them into aging infrastructure are prohibitive for many facilities. This financial burden is particularly acute for operators managing extensive, complex piping networks, where replacing numerous mechanical units with smart alternatives requires a massive upfront outlay. Consequently, cost-sensitive decision-makers often delay these modernization projects, prioritizing essential operational repairs over efficiency upgrades, which directly slows the replacement rate of legacy equipment.

This reluctance to commit to heavy capital expenditure is exacerbated by a broader environment of fiscal caution within the industrial sector. When manufacturing facilities face economic pressure, funds allocated for non-critical infrastructure enhancements are typically restricted. This trend creates a difficult environment for market growth, as operators delay the adoption of new technologies to preserve liquidity. This contraction in local industrial spending is evident in recent market performance; according to the VDMA, domestic business within the industrial valves sector declined by 1 percent in 2024. Such stagnation in key regions underscores the prevailing financial sensitivity that impedes the widespread implementation of capital-intensive steam trap solutions.

Market Trends

Strategic industry consolidation through mergers and collaborative partnerships is reshaping the competitive landscape as major manufacturers aim to integrate complementary technologies for holistic thermal management. Leading market players are actively pursuing investment opportunities that extend their capabilities beyond traditional steam trap components into broader steam generation and electrification solutions, enabling them to offer hybrid systems aligned with industrial decarbonization goals. This strategic shift is evident in recent corporate activities; for instance, Spirax Group agreed in August 2024 to invest ?4 million in Sustainable Process Heat GmbH to accelerate the commercialization of high-temperature heat pumps, directly expanding their portfolio of sustainable steam generation technologies through a targeted partnership.

The rising utilization of steam tracing applications in process industries is also expanding the market's scope, as thermal solutions are increasingly deployed across a wider range of sectors beyond traditional petrochemicals. Operators in diverse fields such as food and beverage, pharmaceuticals, and chemical processing are adopting advanced heat tracing systems to ensure critical temperature maintenance and process fluidity, thereby reducing reliance on volatile oil and gas cycles. This diversification stabilizes demand for associated steam handling equipment and reflects a broader industrial dependence on precise thermal regulation. Highlighting this shift, Thermon Group Holdings reported in May 2024 that revenue from non-oil and gas end markets comprised 68% of their total revenue, underscoring the growing significance of diversified process industries in the thermal solutions market.

Key Market Players

Spirax-Sarco Engineering PLC

Pentair PLC

The Weir Group PLC

Flowserve Corporation

Circor International, Inc.

Emerson Electric Co.

Schlumberger N.V.

Thermax Limited

Velan Inc.

Watts Water Technologies, Inc.

Report Scope

In this report, the Global Steam Trap Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

Steam Trap Market, By Product

Thermodynamic

Mechanical & Thermostatic

Steam Trap Market, By Application

Drip Application

Process Application & Tracing Application

Steam Trap Market, By Body Material

+357 96 030922
info@marketpublishers.com

- Steel
- Iron & Others

Steam Trap Market, By Industry

- Chemicals
- Energy and Power
- Food & Beverages
- Oil & Gas
- Pharmaceuticals
- Others

Steam Trap Market, By Region

- North America
  - United States
  - Canada
  - Mexico
- Europe
  - France
  - United Kingdom
  - Italy
  - Germany

Spain

Asia Pacific

China

India

Japan

Australia

South Korea

South America

Brazil

Argentina

Colombia

Middle East & Africa

South Africa

Saudi Arabia

UAE

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Global Steam Trap Market.

Available Customizations:

Global Steam Trap Market report with the given market data, TechSci Research offers

+357 96 030922
info@marketpublishers.com

customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

+357 96 030922
info@marketpublishers.com

Contents

1. PRODUCT OVERVIEW

1.1. Market Definition
1.2. Scope of the Market
  1.2.1. Markets Covered
  1.2.2. Years Considered for Study
  1.2.3. Key Market Segmentations

2. RESEARCH METHODOLOGY

2.1. Objective of the Study
2.2. Baseline Methodology
2.3. Key Industry Partners
2.4. Major Association and Secondary Sources
2.5. Forecasting Methodology
2.6. Data Triangulation & Validation
2.7. Assumptions and Limitations

3. EXECUTIVE SUMMARY

3.1. Overview of the Market
3.2. Overview of Key Market Segmentations
3.3. Overview of Key Market Players
3.4. Overview of Key Regions/Countries
3.5. Overview of Market Drivers, Challenges, Trends

4. VOICE OF CUSTOMER

5. GLOBAL STEAM TRAP MARKET OUTLOOK

5.1. Market Size & Forecast
  5.1.1. By Value
5.2. Market Share & Forecast
  5.2.1. By Product (Thermodynamic, Mechanical & Thermostatic)
  5.2.2. By Application (Drip Application, Process Application & Tracing Application)
  5.2.3. By Body Material (Steel, Iron & Others)
  5.2.4. By Industry (Chemicals, Energy and Power, Food & Beverages, Oil & Gas,

Pharmaceuticals, Others)
5.2.5. By Region
5.2.6. By Company (2025)
5.3. Market Map

6. NORTH AMERICA STEAM TRAP MARKET OUTLOOK

6.1. Market Size & Forecast
6.1.1. By Value
6.2. Market Share & Forecast
6.2.1. By Product
6.2.2. By Application
6.2.3. By Body Material
6.2.4. By Industry
6.2.5. By Country
6.3. North America: Country Analysis
6.3.1. United States Steam Trap Market Outlook
6.3.1.1. Market Size & Forecast
6.3.1.1.1. By Value
6.3.1.2. Market Share & Forecast
6.3.1.2.1. By Product
6.3.1.2.2. By Application
6.3.1.2.3. By Body Material
6.3.1.2.4. By Industry
6.3.2. Canada Steam Trap Market Outlook
6.3.2.1. Market Size & Forecast
6.3.2.1.1. By Value
6.3.2.2. Market Share & Forecast
6.3.2.2.1. By Product
6.3.2.2.2. By Application
6.3.2.2.3. By Body Material
6.3.2.2.4. By Industry
6.3.3. Mexico Steam Trap Market Outlook
6.3.3.1. Market Size & Forecast
6.3.3.1.1. By Value
6.3.3.2. Market Share & Forecast
6.3.3.2.1. By Product
6.3.3.2.2. By Application
6.3.3.2.3. By Body Material

+357 96 030922
info@marketpublishers.com

6.3.3.2.4. By Industry

7. EUROPE STEAM TRAP MARKET OUTLOOK

7.1. Market Size & Forecast
7.1.1. By Value
7.2. Market Share & Forecast
7.2.1. By Product
7.2.2. By Application
7.2.3. By Body Material
7.2.4. By Industry
7.2.5. By Country
7.3. Europe: Country Analysis
7.3.1. Germany Steam Trap Market Outlook
7.3.1.1. Market Size & Forecast
7.3.1.1.1. By Value
7.3.1.2. Market Share & Forecast
7.3.1.2.1. By Product
7.3.1.2.2. By Application
7.3.1.2.3. By Body Material
7.3.1.2.4. By Industry
7.3.2. France Steam Trap Market Outlook
7.3.2.1. Market Size & Forecast
7.3.2.1.1. By Value
7.3.2.2. Market Share & Forecast
7.3.2.2.1. By Product
7.3.2.2.2. By Application
7.3.2.2.3. By Body Material
7.3.2.2.4. By Industry
7.3.3. United Kingdom Steam Trap Market Outlook
7.3.3.1. Market Size & Forecast
7.3.3.1.1. By Value
7.3.3.2. Market Share & Forecast
7.3.3.2.1. By Product
7.3.3.2.2. By Application
7.3.3.2.3. By Body Material
7.3.3.2.4. By Industry
7.3.4. Italy Steam Trap Market Outlook
7.3.4.1. Market Size & Forecast

7.3.4.1.1. By Value
7.3.4.2. Market Share & Forecast
7.3.4.2.1. By Product
7.3.4.2.2. By Application
7.3.4.2.3. By Body Material
7.3.4.2.4. By Industry
7.3.5. Spain Steam Trap Market Outlook
7.3.5.1. Market Size & Forecast
7.3.5.1.1. By Value
7.3.5.2. Market Share & Forecast
7.3.5.2.1. By Product
7.3.5.2.2. By Application
7.3.5.2.3. By Body Material
7.3.5.2.4. By Industry

8. ASIA PACIFIC STEAM TRAP MARKET OUTLOOK

8.1. Market Size & Forecast
8.1.1. By Value
8.2. Market Share & Forecast
8.2.1. By Product
8.2.2. By Application
8.2.3. By Body Material
8.2.4. By Industry
8.2.5. By Country
8.3. Asia Pacific: Country Analysis
8.3.1. China Steam Trap Market Outlook
8.3.1.1. Market Size & Forecast
8.3.1.1.1. By Value
8.3.1.2. Market Share & Forecast
8.3.1.2.1. By Product
8.3.1.2.2. By Application
8.3.1.2.3. By Body Material
8.3.1.2.4. By Industry
8.3.2. India Steam Trap Market Outlook
8.3.2.1. Market Size & Forecast
8.3.2.1.1. By Value
8.3.2.2. Market Share & Forecast
8.3.2.2.1. By Product

8.3.2.2.2. By Application
8.3.2.2.3. By Body Material
8.3.2.2.4. By Industry
8.3.3. Japan Steam Trap Market Outlook
8.3.3.1. Market Size & Forecast
8.3.3.1.1. By Value
8.3.3.2. Market Share & Forecast
8.3.3.2.1. By Product
8.3.3.2.2. By Application
8.3.3.2.3. By Body Material
8.3.3.2.4. By Industry
8.3.4. South Korea Steam Trap Market Outlook
8.3.4.1. Market Size & Forecast
8.3.4.1.1. By Value
8.3.4.2. Market Share & Forecast
8.3.4.2.1. By Product
8.3.4.2.2. By Application
8.3.4.2.3. By Body Material
8.3.4.2.4. By Industry
8.3.5. Australia Steam Trap Market Outlook
8.3.5.1. Market Size & Forecast
8.3.5.1.1. By Value
8.3.5.2. Market Share & Forecast
8.3.5.2.1. By Product
8.3.5.2.2. By Application
8.3.5.2.3. By Body Material
8.3.5.2.4. By Industry

9. MIDDLE EAST & AFRICA STEAM TRAP MARKET OUTLOOK

9.1. Market Size & Forecast
9.1.1. By Value
9.2. Market Share & Forecast
9.2.1. By Product
9.2.2. By Application
9.2.3. By Body Material
9.2.4. By Industry
9.2.5. By Country
9.3. Middle East & Africa: Country Analysis

+357 96 030922
info@marketpublishers.com

9.3.1. Saudi Arabia Steam Trap Market Outlook
9.3.1.1. Market Size & Forecast
9.3.1.1.1. By Value
9.3.1.2. Market Share & Forecast
9.3.1.2.1. By Product
9.3.1.2.2. By Application
9.3.1.2.3. By Body Material
9.3.1.2.4. By Industry
9.3.2. UAE Steam Trap Market Outlook
9.3.2.1. Market Size & Forecast
9.3.2.1.1. By Value
9.3.2.2. Market Share & Forecast
9.3.2.2.1. By Product
9.3.2.2.2. By Application
9.3.2.2.3. By Body Material
9.3.2.2.4. By Industry
9.3.3. South Africa Steam Trap Market Outlook
9.3.3.1. Market Size & Forecast
9.3.3.1.1. By Value
9.3.3.2. Market Share & Forecast
9.3.3.2.1. By Product
9.3.3.2.2. By Application
9.3.3.2.3. By Body Material
9.3.3.2.4. By Industry

10. SOUTH AMERICA STEAM TRAP MARKET OUTLOOK

10.1. Market Size & Forecast
10.1.1. By Value
10.2. Market Share & Forecast
10.2.1. By Product
10.2.2. By Application
10.2.3. By Body Material
10.2.4. By Industry
10.2.5. By Country
10.3. South America: Country Analysis
10.3.1. Brazil Steam Trap Market Outlook
10.3.1.1. Market Size & Forecast
10.3.1.1.1. By Value

10.3.1.2. Market Share & Forecast
10.3.1.2.1. By Product
10.3.1.2.2. By Application
10.3.1.2.3. By Body Material
10.3.1.2.4. By Industry
10.3.2. Colombia Steam Trap Market Outlook
10.3.2.1. Market Size & Forecast
10.3.2.1.1. By Value
10.3.2.2. Market Share & Forecast
10.3.2.2.1. By Product
10.3.2.2.2. By Application
10.3.2.2.3. By Body Material
10.3.2.2.4. By Industry
10.3.3. Argentina Steam Trap Market Outlook
10.3.3.1. Market Size & Forecast
10.3.3.1.1. By Value
10.3.3.2. Market Share & Forecast
10.3.3.2.1. By Product
10.3.3.2.2. By Application
10.3.3.2.3. By Body Material
10.3.3.2.4. By Industry

11. MARKET DYNAMICS

11.1. Drivers
11.2. Challenges

12. MARKET TRENDS & DEVELOPMENTS

12.1. Merger & Acquisition (If Any)
12.2. Product Launches (If Any)
12.3. Recent Developments

13. GLOBAL STEAM TRAP MARKET: SWOT ANALYSIS

14. PORTER'S FIVE FORCES ANALYSIS

14.1. Competition in the Industry
14.2. Potential of New Entrants

+357 96 030922
info@marketpublishers.com

14.3. Power of Suppliers
14.4. Power of Customers
14.5. Threat of Substitute Products

15. COMPETITIVE LANDSCAPE

15.1. Spirax-Sarco Engineering PLC
  15.1.1. Business Overview
  15.1.2. Products & Services
  15.1.3. Recent Developments
  15.1.4. Key Personnel
  15.1.5. SWOT Analysis
15.2. Pentair PLC
15.3. The Weir Group PLC
15.4. Flowserve Corporation
15.5. Circor International, Inc.
15.6. Emerson Electric Co.
15.7. Schlumberger N.V.
15.8. Thermax Limited
15.9. Velan Inc.
15.10. Watts Water Technologies, Inc.

16. STRATEGIC RECOMMENDATIONS

17. ABOUT US & DISCLAIMER

+357 96 030922
info@marketpublishers.com

I would like to order

Product name: Steam Trap Market ? Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Product (Thermodynamic, Mechanical & Thermostatic), By Application (Drip Application, Process Application & Tracing Application), By Body Material (Steel, Iron & Others), By Industry (Chemicals, Energy and Power, Food & Beverages, Oil & Gas, Pharmaceuticals, Others), By Region & Competition, 2021-2031F

Product link: https://marketpublishers.com/r/S74DE24B4408EN.html

Price: US$ 4,500.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:
info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/S74DE24B4408EN.html