

Non-Condensing Industrial Hot Water Boiler Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2025 - 2034

<https://marketpublishers.com/r/N20F6B867DCCEN.html>

Date: December 2024

Pages: 105

Price: US\$ 4,850.00 (Single User License)

ID: N20F6B867DCCEN

Abstracts

The Global Non-Condensing Industrial Hot Water Boiler Market reached USD 1.19 billion in 2024 and is projected to grow at a CAGR of 4.6% from 2025 to 2034. Rapid urbanization, coupled with industrial growth, alongside increasing environmental regulations to reduce carbon emissions, is driving the demand for these systems. Technological advancements in boilers, such as improved materials, enhanced combustion systems, and smarter control mechanisms, are expected to play a key role in the market's growth. Governments are also promoting sustainable growth, making energy-efficient solutions more desirable, which boosts the adoption of industrial hot water boilers.

Non-condensing industrial hot water boilers are designed for large-scale heating applications, operating by heating water without recovering latent heat from exhaust gases. The demand for these systems is growing due to a global shift toward renewable energy sources and the rising need for efficient systems in various industries. With increased government policies focusing on energy efficiency and environmental sustainability, the market for non-condensing industrial hot water boilers is likely to see significant expansion. Their ability to reduce operational costs and improve energy efficiency makes them a preferred choice for businesses aiming to cut energy consumption and emissions.

The natural gas-powered segment of this market is anticipated to surpass USD 900 million by 2034. Due to escalating energy prices and tightening environmental regulations, the demand for these boilers is set to rise. Natural gas boilers offer energy efficiency and reduced operational costs, making them highly appealing to industrial users. Their widespread availability and alignment with renewable energy initiatives

further bolster their demand.

The market for non-condensing industrial hot water boilers in the 25-75 MMBTU/hr capacity range is expected to exhibit a CAGR of over 4.5% until 2034. Emerging economies are increasingly adopting these systems due to growing industrial infrastructure and advancements in boiler technology. These systems are well-suited to handle large heating demand, offering high capacity and ease of operation. Rising energy costs and stricter emission laws are pushing industries to adopt more efficient and low-emission heating systems, increasing demand for non-condensing boilers.

The U.S. market for non-condensing industrial hot water boilers is projected to exceed USD 240 million by 2034. The scalability and redundancy of these systems allow businesses to efficiently manage variable hot water demands, ensuring operational reliability. Furthermore, the integration of advanced control systems, which enable real-time monitoring and remote management, is creating additional growth opportunities. Government incentives such as tax rebates and grants, aimed at improving energy efficiency and reducing carbon footprints, will continue to drive growth in this market.

Contents

CHAPTER 1 METHODOLOGY & SCOPE

- 1.1 Market scope & definitions
- 1.2 Market estimates & forecast parameters
- 1.3 Forecast calculation
- 1.4 Data sources
 - 1.4.1 Primary
 - 1.4.2 Secondary
 - 1.4.2.1 Paid
 - 1.4.2.2 Public

CHAPTER 2 EXECUTIVE SUMMARY

- 2.1 Industry synopsis, 2021 - 2034

CHAPTER 3 INDUSTRY INSIGHTS

- 3.1 Industry ecosystem analysis
- 3.2 Regulatory landscape
- 3.3 Industry impact forces
 - 3.3.1 Growth drivers
 - 3.3.2 Industry pitfalls & challenges
- 3.4 Growth potential analysis
- 3.5 Porter's analysis
 - 3.5.1 Bargaining power of suppliers
 - 3.5.2 Bargaining power of buyers
 - 3.5.3 Threat of new entrants
 - 3.5.4 Threat of substitutes
- 3.6 PESTEL analysis

CHAPTER 4 COMPETITIVE LANDSCAPE, 2024

- 4.1 Introduction
- 4.2 Strategic outlook
- 4.3 Innovation & sustainability landscape

CHAPTER 5 MARKET SIZE AND FORECAST, BY FUEL, 2021 – 2034 (UNITS,

Non-Condensing Industrial Hot Water Boiler Market Opportunity, Growth Drivers, Industry Trend Analysis, and Fo...

MMBTU/HR & USD MILLION)

- 5.1 Key trends
- 5.2 Natural gas
- 5.3 Oil
- 5.4 Coal
- 5.5 Others

CHAPTER 6 MARKET SIZE AND FORECAST, BY CAPACITY, 2021 – 2034 (UNITS, MMBTU/HR & USD MILLION)

- 6.1 Key trends
- 6.2 6.3 10 - 25 MMBTU/hr
- 6.4 25 - 50 MMBTU/hr
- 6.5 50 - 75 MMBTU/hr
- 6.6 > 75 MMBTU/hr

CHAPTER 7 MARKET SIZE AND FORECAST, BY APPLICATION, 2021 – 2034 (UNITS, MMBTU/HR & USD MILLION)

- 7.1 Key trends
- 7.2 Food processing
- 7.3 Pulp & paper
- 7.4 Chemical
- 7.5 Refinery
- 7.6 Primary metal
- 7.7 Others

CHAPTER 8 MARKET SIZE AND FORECAST, BY REGION, 2021 – 2034 (UNITS, MMBTU/HR & USD MILLION)

- 8.1 Key trends
- 8.2 North America
 - 8.2.1 U.S.
 - 8.2.2 Canada
 - 8.2.3 Mexico
- 8.3 Europe
 - 8.3.1 UK
 - 8.3.2 France

- 8.3.3 Germany
- 8.3.4 Italy
- 8.3.5 Russia
- 8.3.6 Spain
- 8.4 Asia Pacific
 - 8.4.1 China
 - 8.4.2 Australia
 - 8.4.3 India
 - 8.4.4 Japan
 - 8.4.5 South Korea
- 8.5 Middle East & Africa
 - 8.5.1 Saudi Arabia
 - 8.5.2 UAE
 - 8.5.3 Turkey
 - 8.5.4 South Africa
 - 8.5.5 Egypt
- 8.6 Latin America
 - 8.6.1 Brazil
 - 8.6.2 Argentina

CHAPTER 9 COMPANY PROFILES

- 9.1 ALFA LAVAL
- 9.2 Ariston Holding
- 9.3 Babcock & Wilcox
- 9.4 Babcock Wanson
- 9.5 Bosch Industriekessel
- 9.6 Clayton Industries
- 9.7 Cleaver-Brooks
- 9.8 Cochran
- 9.9 Forbes Marshall
- 9.10 Miura America
- 9.11 Rentech Boiler Systems
- 9.12 Stiebel Eltron
- 9.13 Thermax Limited
- 9.14 Thermodyne Boilers
- 9.15 Viessmann

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