

Gas Fueled Fire-Tube Food Processing Boiler Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2025 - 2034

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Abstracts

The Global Gas Fueled Fire-Tube Food Processing Boiler Market was valued at USD 122.1 million in 2024, with projections indicating a 5.9% CAGR from 2025 to 2034. This expansion is primarily driven by the increasing adoption of cleaner energy technologies aimed at improving efficiency and reducing emissions. The ongoing industrialization of key regions, associated with rising assets in energy infrastructure, is further accelerating the market growth.

Environmental regulations focused on upgrading and optimizing existing boiler systems are also playing a significant role in boosting market demand. As industries increasingly prioritize energy-efficient, reliable, and sustainable technologies, the demand for advanced boiler solutions continues to rise. Furthermore, the integration of digital technologies for enhanced monitoring, predictive maintenance, and operational efficiency is contributing to favorable market conditions. The expansion and modernization of industrial facilities, along with a growing need for steam-generating units, are expected to further escalate demand for fire-tube boilers in the food processing sector.

The segment of boilers with a capacity of 50 to 75 MMBtu/hr is anticipated to generate USD 35 million by 2034. This growth is driven by the food processing sector's need for efficient, space-saving, and compliance-ready solutions. The adoption of smart control technologies, which allow for real-time monitoring and enhanced operational management, is becoming increasingly widespread. Moreover, both public and private investments are being channeled into the modernization of traditional boiler systems to meet evolving efficiency standards.

Additionally, non-condensing gas-fueled fire-tube food processing boiler market is expected to experience a growth rate of 5.5% through 2034. The demand for these boilers is primarily being fueled by their lower upfront costs and the increasing needs of small to mid-sized food processing facilities. As food production facilities continue to evolve, driven by shifts in consumer preferences and new safety regulations, the demand for efficient and cost-effective boiler solutions is expected to increase.

United States gas fueled fire-tube food processing boiler market is poised to surpass USD 50 million by 2034. Stringent emissions standards enforced by regulatory bodies are accelerating the adoption of more advanced and environmentally friendly boiler systems. The expanding food sector, including frozen and organic products, contributes to the growing demand for modern, low-emission heating technologies.

Contents

Report Content

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 CAPACITY, 2021 - 2034 (USD MILLION, MMBTU/HR & UNITS)

- 5.1 Key trends
- 5.2 5.3 10 - 25 MMBtu/hr
- 5.4 25 - 50 MMBtu/hr
- 5.5 50 - 75 MMBtu/hr
- 5.6 75 - 100 MMBtu/hr
- 5.7 100 - 175 MMBtu/hr
- 5.8 175 - 250 MMBtu/hr
- 5.9 > 250 MMBtu/hr

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

- 6.1 Key trends
- 6.2 Condensing
- 6.3 Non-condensing

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

- 7.1 Key trends
- 7.2 North America
 - 7.2.1 U.S.
 - 7.2.2 Canada
 - 7.2.3 Mexico
- 7.3 Europe
 - 7.3.1 France
 - 7.3.2 UK
 - 7.3.3 Poland
 - 7.3.4 Italy
 - 7.3.5 Spain
 - 7.3.6 Austria
 - 7.3.7 Germany
 - 7.3.8 Sweden
 - 7.3.9 Russia
- 7.4 Asia Pacific

- 7.4.1 China
- 7.4.2 India
- 7.4.3 Philippines
- 7.4.4 Japan
- 7.4.5 South Korea
- 7.4.6 Australia
- 7.4.7 Indonesia
- 7.5 Middle East & Africa
 - 7.5.1 Saudi Arabia
 - 7.5.2 Iran
 - 7.5.3 UAE
 - 7.5.4 Nigeria
 - 7.5.5 South Africa
- 7.6 Latin America
 - 7.6.1 Argentina
 - 7.6.2 Chile
 - 7.6.3 Brazil

CHAPTER 8 COMPANY PROFILES

- 8.1 Babcock & Wilcox Enterprises, Inc.
- 8.2 Babcock Wanson
- 8.3 BM GreenTech Berhad
- 8.4 Bosch Industriekessel GmbH
- 8.5 Clayton Industries
- 8.6 Cleaver-Brooks
- 8.7 Cochran
- 8.8 Forbes Marshall
- 8.9 Fulton
- 8.10 Hoval
- 8.11 Hurst Boiler & Welding Co, Inc.
- 8.12 Johnston Boiler
- 8.13 Miura America Co., LTD.
- 8.14 Par Techno-Heat Pvt. Ltd
- 8.15 Thermax Limited
- 8.16 Thermodyne Boilers
- 8.17 Viessmann

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