

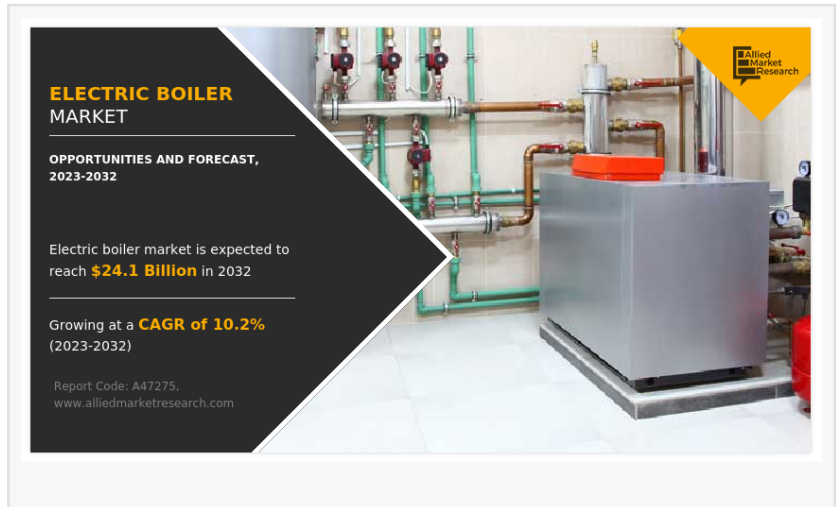
Electric Boiler Market to Reach \$24.1 Billion by 2032 | 10.2% CAGR Driven by Green Energy & Smart Heating

□ *Electric Boiler Market to Surpass \$24.1 Billion by 2032, Powered by Green Energy Demand & Smart Heating Solutions* □

WILMINGTON, DE, UNITED STATES, July 22, 2025 /EINPresswire.com/ --

According to a report by Allied Market Research, the global [electric boiler market](#) size was valued at \$9.2 billion in 2022 and is projected to reach \$24.1 billion by 2032, growing at a CAGR of 10.2% from 2023 to 2032. The shift

toward clean, emission-free heating solutions in residential, commercial, and industrial sectors is driving robust growth across global markets.



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Electric boiler market to hit \$24.1B by 2032, growing at 10.2% CAGR, fueled by clean energy demand and smart home adoption. □□”

Allied Market Research

□□ What is an Electric Boiler?

An electric boiler uses electricity to generate hot water or steam, without combustion processes typical of gas or oil boilers. Known for their clean, emission-free operation, electric boilers are rapidly being adopted in homes, factories, office buildings, healthcare facilities, and agricultural sectors for space heating, process heating, and

high-purity applications.

Integration with smart home systems allows remote monitoring and control via smartphones and tablets, enhancing convenience and energy efficiency.

□ Key Market Drivers

Clean Heating Demand: Electric boilers align with global sustainability goals, producing no direct emissions and helping reduce overall greenhouse gas output.

Integration with Renewable Energy: Use of electric boilers complements renewable electricity from wind, solar, and hydropower, supporting grid decarbonization.

Safety Advantages: No open flames or combustion processes reduce fire risks in both residential and industrial settings.

Adoption of Smart Technologies: Smart electric boilers with remote control capabilities improve energy management and user convenience.

Longevity and Low Maintenance: With regular maintenance, electric boilers offer reliable operation for decades, adding to their cost-effectiveness over time.

❑ Market Challenges

Dependence on Electricity: Electric boilers rely solely on electricity, posing reliability challenges during power outages or grid failures.

High Operating Costs: Compared to gas or oil heating systems, electric boilers may have higher running costs due to the typically higher price of electricity.

Limited Suitability for Large Facilities: Electric boilers may struggle to meet heating demands in large-scale industrial applications without significant infrastructure investments.

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<https://bit.ly/4o5vvrS>

❑ Emerging Market Opportunities

Hybrid Heating Systems: Integrating electric boilers with [heat pumps](#) or thermal storage systems can enhance efficiency and reliability.

Rural Electrification: In off-grid areas, electric boilers paired with solar or wind power offer sustainable heating solutions.

Industry Applications: Growth opportunities lie in pharmaceuticals, food processing, chemicals, healthcare, and electronics, where high-purity and emission-free heating is critical.

R&D Advancements: Innovations in materials, control systems, and efficiency technologies are expected to enhance electric boiler capabilities and reduce costs.

□ Market Segmentation Insights

By Product Type:

Hot Water Boilers: Dominated the market in 2022, catering to residential and light [commercial heating](#).

Steam Water Boilers: Fastest-growing segment, favored for industrial and large-scale heating needs.

By Category:

Traditional Electric Boilers: Leading segment in 2022, with widespread adoption across small-to-medium installations.

Smart Electric Boilers: Predicted to register the fastest growth, driven by integration with IoT and smart building systems.

By End-Use:

Residential Sector: Largest revenue contributor in 2022, benefiting from clean energy policies and home improvement trends.

Commercial Sector: Expected to witness fastest growth, including applications in:

Food Processing

Chemical Industries

Refineries & Distilleries

Healthcare & Pharmaceuticals

Paper & Textiles

By Distribution Channel:

Offline Sales: Dominated the market in 2022.

Online Segment: Projected to grow fastest, aided by digital retail platforms and consumer preference for remote purchasing.

By Region:

Europe: Held the highest market share in 2022 and will maintain dominance, driven by stringent emission regulations and strong clean energy initiatives.

Asia-Pacific and North America: Emerging as significant growth regions due to urbanization and electrification of heating systems.

□ Leading Market Players

Key companies shaping the global electric boiler industry include:

Viessmann

A. O. Smith

BDR Thermea Group

ELNUR S.A

SAV Systems Ltd

Värmebaronen

Vapor Power International

P.M. Lattner Manufacturing Co.

Reimers Electra Steam, Inc.

ECOTHERM Austria GmbH

These firms are focusing on product innovation, smart control technologies, and hybrid system integrations to strengthen their market presence.

□ COVID-19 Impact

The pandemic highlighted the importance of indoor air quality and efficient heating. As consumers focused on home improvements and emissions reduction, demand for electric boilers surged, particularly in residential sectors.

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□ Future Outlook

The electric boiler market is positioned for robust growth through 2032, fueled by global decarbonization efforts, urban electrification, and smart technology adoption. As industries and households transition toward cleaner, more efficient heating solutions, electric boilers will play a pivotal role in shaping the future of sustainable energy infrastructure.

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