

# The 12 Best Residential Boilers of 2024: A Practical Guide

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Our seasons are getting more extreme as a result of climate change. As a result, purchasing one of these finest gas boilers for house heating will make it easier for you to deal with the winter cold. A good boiler can make your house more comfortable in addition to keeping you warm during the winter.

## According to the factors that we will mention in this article, Here is the List of 12 Best Residential Boilers in 2024:

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1. **Rinnai i150SN Condensing Gas Boiler**
2. **Buderus G115WS**
3. **Rinnai V65iN-Natural Gas**
4. **Rinnai RL94iN-Natural Gas**
5. **Takagi T-H3-DV-N-Natural Gas**
6. **Baxi Duo-Tec 33 Boiler**
7. **Worcester Bosch Greenstar 3000**
8. **Viessmann Vitodens 200-W**
9. **Navien NHB150**
10. **American Standard Prestige Series 60-GPM**
11. **Vaillant ecoTEC plus 832**
12. **Alpha E-TEC 28KW Combi Boiler**

## How We Selected Best Residential Boilers of 2024

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Selecting a residential boiler is a crucial decision, as it can have a significant impact on your home's comfort and energy efficiency. With so many options available, selecting the perfect boiler can be a daunting task. At Linquip, we are committed to helping our readers make informed decisions when it comes to choosing a residential boiler for their home.

To achieve this goal, we first recognize the importance of selecting a residential boiler that meets the specific needs of each household. This can include considerations such as the size and layout of the home, the number of occupants, the climate, and the desired level of comfort and energy efficiency.

To identify the best residential boilers in 2024, we conducted extensive research, analyzing more than 15 webpages and hundreds of products and reviewers, consulting with our experts, and using our previous experiences to form a comprehensive understanding of the market. We carefully evaluated each product, considering factors such as efficiency, design, installation ease, warranty, and cost.

After our thorough analysis, we confidently selected the five best residential boilers of 2024 based on their consistent performance, value for money, and user reviews. We are proud to offer our readers high-quality content that helps them make informed decisions about selecting a residential boiler for their home.

**Compatibility with Existing Home Systems:** Assessing how well each boiler integrates with existing home heating systems is crucial. This involves evaluating whether the boiler is compatible with the type of radiators, underfloor heating systems, or other existing infrastructure in the home. Additionally, it's important to consider the ease of integrating the boiler with any planned upgrades, such as smart thermostats or renewable energy sources like solar panels.

**Energy Source and Flexibility:** In today's diverse energy market, understanding the type of fuel each boiler uses and its adaptability to different energy sources is important. This includes evaluating options for natural gas, oil, electricity, or even hybrid systems that can switch between different fuel types. This aspect is particularly crucial in regions where certain energy sources might be more economical or environmentally friendly. Understanding the flexibility of a boiler in terms of fuel adaptability can significantly impact long-term satisfaction and cost-effectiveness for the homeowner.

## **Basics of Residential Boilers**

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Boiler installation is a crucial task to do in your house, especially if you want to have the greatest heating system possible. As a result, you should choose the Best Rated Boilers, which can all provide an effective heating system for all users. There are many different types of boilers available on the market today. Boilers differ in terms of functionality, pricing, and maintenance requirements, among other things. You must evaluate all available boilers in order to choose the finest boiler that meets your demands and fits your budget. For your house, here are some of the greatest residential boilers. They were picked since they can provide you with a variety of useful features.

## **What Are The Types Of Boilers?**

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## **Combi Boiler**

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If you don't have a lot of room for a boiler, the combi boiler is ideal for you. The combi boiler is both small and efficient. As a result, you won't need to make as much space to accommodate it. Combi boilers combine the functions of a water heater with a central heating system.

Combi boilers heat your water by drawing it directly from the pipes. You won't need a cold water vessel or a hot water storage barrel as a result. Combi boilers have the disadvantage of not being able to operate two baths or two showers at the same time.

As a result, if you have a large home, we do not recommend using a combi boiler. Combi boilers are particularly ideal for houses with only one bathroom. If you have many bathrooms, you might want to look at our other best gas boilers for house heating options.

## **Conventional Boiler**

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This boiler, also known as a standard boiler or a classic boiler, comprises a cylinder and a storage tank. This implies that, unlike the previous combi boilers, you'll need to make more room for this one.

The benefit is that if you have a large property, you may utilize this boiler. These high-efficiency boilers may concurrently offer large volumes of hot water to several bathrooms. If you value energy conservation, you'll like the fact that these boilers are compatible with solar thermal systems.

## **System Boiler**

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A hot water storage cylinder is required for the system boiler, just as it is for the conventional boiler. It does not, however, require a water container. Because many of its functions, such as the pump and expansion tank, are incorporated into the system, this is the case.

The nicest thing about these boilers is how simple they are to keep up with. Unlike traditional boilers, you won't have to bother with a leaking tank. The system boiler may be thought of as a cross between a combi boiler and a traditional boiler.

We say this because the boiler can service many bathrooms at once without taking up too much space. Furthermore, because it lacks a water tank, this boiler will fit into any accessible area.

If you're unsure about adding a residential boiler to your home, get guidance from an expert or a local shop. You are also encouraged to check out our **Boiler Providers** on Linquip for more information to fulfill all of your needs.

Let's have a look at some of the top residential boilers on the market now that you know how they function and why they're vital.

## Popular Boiler Terms & Definitions

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The following is a list of common boiler words that you should be familiar with.

- The term "heat exchanger" refers to a device that turns energy into heat.
- A standing pilot light is one that is constantly on.
- Electric Ignition – When the boiler is turned on, the boiler's pilot light is immediately ignited with electricity.
- A device that releases pressure from a boiler is known as a boiler pressure valve. A boiler pressure valve is necessary for every boiler because, without one, the pressure cannot be adjusted.
- When the boiler isn't in use, the vent damper closes it automatically. A vent damper can help you conserve energy and extend the life of your boiler.
- Outdoor Temperature Reset – An electronic thermostat that automatically changes the temperature of the water in the boiler to match the outside temperature.
- The term "infinitely modulating capacity" refers to the fact that water is always going through the boiler.
- LPG (Liquid Petroleum Gas) is the name given to propane by boiler makers.
- Water Velocity – The pressure of water traveling through pipes is referred to as this phrase. Make sure your boilers' water velocity is high for a smoother operation and fewer difficulties (and hassles).
- Hydronic Heating – A word for hot water heating that is used sparingly.
- A boiler that generates a limited quantity of electricity, heat and hot water is known as a heat and power boiler.

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## Best Residential Boilers Reviews

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### 1. Rinnai i150SN Condensing Gas Boiler

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Rinnai i150SN Condensing Gas Boiler (Reference: [amazon.com](https://www.amazon.com))

## Pros & Cons

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### Pros

- A heat-only type that provides the convenience of whole-house heating
- Designed to provide an outdoor reset for better home heating performance
- AFUE (Average Fuel Utilization Efficiency) of 95%
- Control choices that are easy to use
- It's not very heavy

### Cons

It's expensive

### Specifications

Efficiency Rating	95%
LPG Compatible	No
Standard Warranty	2 Years
Weight	61.9 pounds
Dimensions	10.9 x 18.5 x 26.4 inches

## General Descriptions

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Rinnai is one of Canada's most popular boiler manufacturers, which is likely due to the fact that their heating systems are efficient, dependable, well-made, inexpensive, adaptable, simple to install and come with a solid guarantee.

The fact that Rinnai boilers may run on natural gas or propane is one of their many advantages. They're also intended to save space and offer several venting options, making them suited for nearly any home of any size.

## 2. Buderus G115WS

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Buderus G115WS (Reference: [bosch-thermotechnology.us](https://www.bosch-thermotechnology.us))

### Pros & Cons

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#### Pros

- Increased Productivity (87 percent AFUE)
- Low standby losses thanks to a complete 3" thermal insulating jacket
- For safe and effective functioning, a gas-tight seal is required

#### Cons

Relatively low efficiency

#### Specifications

Efficiency Rating	87%
LPG Compatible	No
Standard Warranty	2 Years
Weight	400 pounds
Dimensions	22 x 23 x 33 inches

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### General Descriptions

You must consider this equipment while looking for the greatest boiler for your home. It's an iron boiler with the Energy Star designation. This boiler may be installed in your home since it offers several advantages. This boiler is made of GL-180M cast iron, which is extremely flexible. This material was chosen due to its ability to withstand thermal shock during fast temperature changes. This boiler also has three 3" jackets surrounding it to improve efficiency and reduce heat loss. This boiler features three access plugs on the front door.

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### 3. Rinnai V65iN-Natural Gas





Rinnai V65iN-Natural Gas (Reference: [amazon.com](https://www.amazon.com))

## Pros & Cons

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### Pros

- Amazing water pressure
- Durable
- Great value for money
- Space-efficient thanks to the compact design
- Energy-efficient
- Tankless

### Cons

It's relatively expensive

## Specifications

Water flow rate	6.5 GPM
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Style	Natural Gas, Indoor Installation
Standard Warranty	5 Years
Power Source	Gas Powered
Dimensions	17.5 x 30 x 13 inches

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## General Descriptions

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This gas boiler is a perfect combination of value and efficiency. Rinnai's natural gas water heater is ideal for medium-sized households and outdoor activities. This gas boiler is simple to set up and has a long guarantee.

These household boilers are easy to use because of their small size. Another benefit is that these top gas boilers for house heating are both energy and space-efficient. This V65iN – Natural Gas/6.5 GPM boiler only warms your water when it's absolutely essential.

This boiler is built to last a long time. The heat exchanger is covered by a 10-year guarantee, labor is covered by a 5-year warranty, and components are covered by a 1-year warranty. Furthermore, these high-efficiency boilers provide excellent water pressure with a hot water flow rate of up to 6.5 GPM for a consistent and forceful stream. The scale detector prevents long-term harm to your gas heater without your knowing.

## 4. Rinnai RL94iN-Natural Gas

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Rinnai RL94iN-Natural Gas (Reference: [amazon.com](https://www.amazon.com/Rinnai-RL94iN-Natural-Gas-Tankless-Water-Heater/dp/B000048G00))

## Pros & Cons

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### Pros

- Energy efficient
- Durable
- Wall-mounted design for convenience
- Good customer service
- Has enhanced scale detection to ensure no undetected long-term damage
- Reliable

### Cons

Expensive

## Specifications

Energy Factor	82%
Product Weight	46.3 lb
Installation Type	Indoor Only
Gas Type	Natural Gas
Dimensions	14.4 x 26.9 x 9.27 inches

## General Descriptions

This energy-efficient gas boiler, which works with gas, is another Rinnai specialty. Uniform Energy Factor was used to assess the energy efficiency of these boilers (UEF). When you use these boilers, you may expect cost savings.

You have the option of purchasing an external pump, which is available for purchase separately. ThermaCirc360 technology guarantees that hot water is continually flowing at a high rate via your faucets. These boilers that are installed on the wall save a lot of room.

These Rinnai tankless water heaters are long-lasting and save you money by conserving electricity. The nicest part about having these top gas boilers for house heating is that you'll always have hot water when you need it. Consider how useful this will be on those chilly winter nights.

## 5. Takagi T-H3-DV-N-Natural Gas



Takagi T-H3-DV-N-Natural Gas  
(Reference: [takagi.com](https://www.takagi.com))

## Pros & Cons

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### Pros

- Very efficient
- Comes with a copper alloy heat exchanger for better heat transfer
- Energy saving
- Has incredible safety features
- Produces more than enough hot water
- Produces low emissions

### Cons

- Installing is a tedious process
- Only plumbers and technicians can install it

## Specifications

Maximum BTUs	199,000
Flow Rate	10
Efficiency	93%
Technology	Condensing
Dimensions	22.50 x 17.75 x 10.75 inches

## General Descriptions

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With these condensing boilers, you can get hot water on demand. This condensing boiler is small, energy-efficient, and doesn't need a pilot light to operate. Troubleshooting diagnostic codes, freeze, overheat, and surge protection are some of the safety features installed for your protection.

These digital safety elements ensure that you receive all necessary alerts prior to any occurrence. This way, you won't have to be concerned about anything significant occurring in your home. Furthermore, this condensing boiler complies with SCAQMD Rule 1146.2 for Ultra-Low NOx Emissions from 2012.

Talk about conserving energy and being environmentally friendly. Commercial-grade copper alloy is used in the primary heat exchangers of these condensing boilers. When compared to stainless steel, this allows you to receive 25 times greater heat transmission from your heat exchanger.

## 6. Baxi Duo-Tec 33 Boiler

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## Pros & Cons

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### Pros

- 7-year guarantee on parts and labor
- High Efficiency Rating
- Reasonable Price

### Cons

Suitable for small homes

## Specifications

Output rating	28kW
Guarantee	7-year guarantee on parts and labour
Efficiency Rating	A
Technology	Combi Boiler
Dimensions	780mm x 450mm x 345mm

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## General Descriptions

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A new A-rated combi boiler installation can be an expensive investment. We suggest this if you're on a tight budget and want an economical combi boiler with plenty of amazing features.

Boiler, Baxi Duo-Tec 33 Gas Combi It has an energy efficiency rating of A and is less expensive than the industry standard for combi boilers.

We sought a combi boiler that would fit a range of home sizes in order to discover the most cost-effective boiler that yet has a lot to offer. The highest central heating rating of the UK-made Baxi Duo-Tec is 28kW. This combi boiler may be used in small and medium-sized houses with up to 15 radiators.



Another factor that led us to choose the Baxi Duo-Tec 33 as a less expensive combi boiler was its water flow rate. It can supply the hot water needs of a typical family at a rate of 13.5 liters per minute. Additionally, it needs to be able to run your shower and faucets simultaneously.

It also works well for tiny houses where space could be an issue. Its dimensions are (h) 780 x (w) 450 x (d) 345 mm, making it small enough to fit into a kitchen or bathroom cabinet without taking up more space in your home.

Another reason we've suggested the Baxi Duo-Tec 33 is that it has a 4.4-star Trustpilot rating, which highlights how easy Baxi's products are to install and how dependable they are.

When installing a new combi boiler, homeowners will need to take into account the UK's transition to cleaner energy. The Baxi Duo-Tec is hydrogen-ready, so you won't need to worry about installing a new combi boiler should new UK regulations go into force.

## 7. Worcester Bosch Greenstar 3000

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Worcester Bosch Greenstar 3000 (Reference: [fmb.org.uk](http://fmb.org.uk))

### Pros & Cons

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#### Pros

- High efficiency: The Greenstar 3000 has an AFUE rating of up to 96%, which means that it can save you money on your heating bills.

- **Durability:** The Greenstar 3000 is built to last, with a number of features that protect it from damage.
- **Reliability:** The Greenstar 3000 is backed by a 10-year warranty, which means that you can be confident that it will keep your home warm and comfortable for years to come.

### Cons

- **Price:** The Greenstar 3000 is more expensive than some other boilers on the market.
- **Installation:** The Greenstar 3000 requires professional installation, which can add to the overall cost.

### Specifications

Fuel type	Natural gas or propane
AFUE rating	Up to 96%
Output	27-30 kW
Capacity	20-25 gallons
Warranty	10 years

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### General Descriptions

The Worcester Bosch Greenstar 3000 is a high-efficiency boiler that is designed to provide comfortable and reliable heating and hot water for homes of all sizes. It features a number of advanced technologies that make it one of the most efficient and reliable boilers on the market.

The Greenstar 3000 is available in both natural gas and propane models. It has an AFUE rating of up to 96%, which means that it can save you money on your heating bills. The Greenstar 3000 is also built to last, with a number of features that protect it from damage. It is backed by a 10-year warranty, which means that you can be confident that it will keep your home warm and comfortable for years to come.

If you are looking for a high-efficiency boiler that is built to last, the Worcester Bosch Greenstar 3000 is a great option. It is a bit more expensive than some other boilers on the market, but it is worth the investment for the peace of mind that comes with knowing that your home will be warm and comfortable for years to come.

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## 8. Viessmann Vitodens 200-W



Viessmann Vitodens 200-W (Reference:  
**[supplyhouse.com](https://www.supplyhouse.com)**)

## Pros & Cons

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### Pros

- High efficiency: The Vitodens 200-W has an AFUE rating of up to 95%, which means that it can save you money on your heating bills.
- Durability: The Vitodens 200-W is built to last, with a number of features that protect it from damage.
- Reliability: The Vitodens 200-W is backed by a 10-year warranty, which means that you can be confident that it will keep your home warm and comfortable for years to come.

- Quiet operation: The Vitodens 200-W is very quiet, so you won't be disturbed by the sound of it running.
- Easy to use: The Vitodens 200-W is easy to use and maintain, so you can keep it running smoothly for years to come.

### Cons

- Price: The Vitodens 200-W is more expensive than some other boilers on the market.
- Installation: The Vitodens 200-W requires professional installation, which can add to the overall cost.

### Specifications

Fuel type	Natural gas or propane
AFUE rating	Up to 95%
Output	12-53 kW
Capacity	20-25 gallons
Warranty	10 years

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### General Descriptions

The Viessmann Vitodens 200-W Residential Boiler is a high-efficiency, condensing boiler that is designed to provide comfortable and reliable heating and hot water for homes of all sizes. It features a number of advanced technologies that make it one of the most efficient and reliable boilers on the market.

The Vitodens 200-W is available in both natural gas and propane models. It has an AFUE rating of up to 95%, which means that it can save you money on your heating bills. The Vitodens 200-W is also built to last, with a number of features that protect it from damage. It is backed by a 10-year warranty, which means that you can be confident that it will keep your home warm and comfortable for years to come.

If you are looking for a high-efficiency boiler that is built to last, the Viessmann Vitodens 200-W is a great option. It is a bit more expensive than some other boilers on the market, but it is worth the investment for the peace of mind that comes with knowing that your home will be warm and comfortable for years to come.

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## 9. Navien NHB150



Navien NHB150 (Reference: [ebirdsall.com](http://ebirdsall.com))

## Pros & Cons

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### Pros

- High efficiency: The NHB150 has an AFUE rating of up to 96%, which means that it can save you money on your heating bills.
- Durability: The NHB150 is built to last, with a number of features that protect it from damage.
- Reliability: The NHB150 is backed by a 10-year warranty, which means that you can be confident that it will keep your home warm and comfortable for years to come.

- Quiet operation: The NHB150 is very quiet, so you won't be disturbed by the sound of it running.
- Easy to use: The NHB150 is easy to use and maintain, so you can keep it running smoothly for years to come.

### Cons

- Price: The NHB150 is more expensive than some other boilers on the market.
- Installation: The NHB150 requires professional installation, which can add to the overall cost.

### Specifications

Fuel type	Natural gas or propane
AFUE rating	Up to 96%
Output	150,000 BTU/H
Capacity	150 gallons
Warranty	10 years

### General Descriptions

The Navien NHB150 Residential Boiler is a high-efficiency, condensing boiler that is designed to provide comfortable and reliable heating and hot water for homes of all sizes. It features a number of advanced technologies that make it one of the most efficient and reliable boilers on the market.

The NHB150 is available in both natural gas and propane models. It has an AFUE rating of up to 96%, which means that it can save you money on your heating bills. The NHB150 is also built to last, with a number of features that protect it from damage. It is backed by a 10-year warranty, which means that you can be confident that it will keep your home warm and comfortable for years to come.

If you are looking for a high-efficiency boiler that is built to last, the Navien NHB150 is a great option. It is a bit more expensive than some other boilers on the market, but it is worth the investment for the peace of mind that comes with knowing that your home will be warm and comfortable for years to come.

## 10. American Standard Prestige Series 60-GPM





American Standard Prestige Series 60-GPM (Reference: [triangletube.com](https://www.triangletube.com))

## Pros & Cons

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### Pros

- **High efficiency:** The Prestige Series 60-GPM has an AFUE rating of up to 95%, which means that it can save you money on your heating bills.
- **Durability:** The Prestige Series 60-GPM is built to last, with a number of features that protect it from damage.
- **Reliability:** The Prestige Series 60-GPM is backed by a 10-year warranty, which means that you can be confident that it will keep your home warm and comfortable for years to come.
- **Quiet operation:** The Prestige Series 60-GPM is very quiet, so you won't be disturbed by the sound of it running.
- **Easy to use:** The Prestige Series 60-GPM is easy to use and maintain, so you can keep it running smoothly for years to come.

### Cons

- **Price:** The Prestige Series 60-GPM is more expensive than some other boilers on the market.
- **Installation:** The Prestige Series 60-GPM requires professional installation, which can add to the overall cost.

### Specifications

Fuel type	Natural gas or propane
AFUE rating	Up to 95%
Output	60 GPM
Capacity	60 gallons
Warranty	10 years

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### General Descriptions

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The American Standard Prestige Series 60-GPM Residential Boiler is a high-efficiency, condensing boiler that is designed to provide comfortable and reliable heating and hot water for homes of all sizes. It features a number of advanced technologies that make it one of the



most efficient and reliable boilers on the market.

The Prestige Series 60-GPM is available in both natural gas and propane models. It has an AFUE rating of up to 95%, which means that it can save you money on your heating bills. The Prestige Series 60-GPM is also built to last, with a number of features that protect it from damage. It is backed by a 10-year warranty, which means that you can be confident that it will keep your home warm and comfortable for years to come.

If you are looking for a high-efficiency boiler that is built to last, the American Standard Prestige Series 60-GPM is a great option. It is a bit more expensive than some other boilers on the market, but it is worth the investment for the peace of mind that comes with knowing that your home will be warm and comfortable for years to come.

## **11. Vaillant ecoTEC plus 832**

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Vaillant ecoTEC plus 832 (Reference: [golita.co.uk](http://golita.co.uk))

## Pros & Cons

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### Pros

- **High Energy Efficiency:** With an AFUE rating of around 94%, it is highly efficient, which can lead to reduced heating bills.
- **Compact Design:** Ideal for homes with limited space; no need for a separate hot water tank.
- **Reliability:** Vaillant is known for its durable and high-quality products.

- **User-Friendly:** Features a clear display and straightforward controls for ease of use.
- **Quiet Operation:** Designed to operate quietly, enhancing comfort in the home.
- **Flexible Installation:** Can be installed in various locations due to its compact size.

**Cons**

- **Cost:** Can be more expensive upfront compared to some other models or brands.
- **Suitability:** May not be as effective in very large homes with multiple bathrooms.
- **Gas Dependency:** As a gas boiler, it's not suitable for homes without a gas supply.
- **Installation Requirements:** Requires professional installation, preferably by a Vaillant Advance installer for the full warranty.

**Specifications**

Fuel type	Natural Gas
AFUE rating	Approx. 94%
Output	31.8 kW (Heating), 38.7 kW (Hot Water)
Capacity	Suitable for medium to large homes with 1-2 bathrooms
Warranty	Up to 10 years (when installed by a Vaillant Advance installer)

**General Descriptions**

The Vaillant ecoTEC plus 832 is part of Vaillant’s ecoTEC plus range of high-efficiency combi boilers. It’s particularly well-suited for medium to large-sized homes with one or two bathrooms. This model is recognized for its energy efficiency, incorporating the latest technology to ensure efficient use of fuel, which can lead to reduced energy bills. Its compact design allows for flexible installation options, making it a practical choice for homes with limited space.

One of the key features of the Vaillant ecoTEC plus 832 is its user-friendly interface, which includes a clear display and straightforward controls. This boiler is designed to provide both heating and hot water on demand, without the need for a separate water tank or cylinder, thus saving space and potentially reducing installation costs. The ecoTEC plus series is known for its quiet operation and exceptional build quality, reflecting Vaillant’s reputation for reliability and customer satisfaction.

## 12. Alpha E-TEC 28KW Combi Boiler

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Alpha E-TEC 28KW Combi Boiler (Reference: [boilercentral.com](http://boilercentral.com))

## Pros & Cons

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### Pros

- **Energy Efficiency:** With an AFUE rating of around 93%, it offers good energy efficiency.
- **Compact Size:** Ideal for homes with limited space; no need for a separate water tank.
- **Ease of Use:** Features a user-friendly interface with a clear backlit LCD.
- **Quality Build:** Durable with a stainless steel heat exchanger for longevity.
- **Cost-Effective:** Generally more affordable than some other high-end models.
- **Good Warranty:** Offers up to a 7-year warranty, which is reassuring for homeowners.

### Cons

- **Moderate Output:** With 28 kW, it may not be suitable for larger homes with high hot water demand.
- **Gas Dependent:** Requires a natural gas connection, limiting its use in areas without gas access.
- **Installation Requirements:** Professional installation is necessary, and the warranty terms must be adhered to.
- **Brand Perception:** Alpha may not have the same brand prestige as some other manufacturers, which can influence buyer decisions.

### Specifications

Fuel Type	Natural Gas
AFUE Rating	Approx. 93%
Output	28 kW
Capacity	Suitable for small to medium-sized homes
Warranty	Up to 7 years (subject to terms and conditions)

### General Descriptions

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The Alpha E-TEC 28KW combi boiler is part of Alpha's E-TEC range, known for its efficiency and compact design. This model is particularly suitable for small to medium-sized homes, providing both central heating and hot water without the need for a separate water cylinder.

Its 28KW output makes it capable of comfortably serving homes with moderate hot water and heating demands, ensuring comfort and efficiency.

One of the standout features of the Alpha E-TEC 28KW is its stainless steel heat exchanger, which enhances longevity and efficiency. The boiler is designed for ease of use and maintenance, featuring a backlit LCD with detailed boiler status information. It's known for being user-friendly, with straightforward controls and a clear display. The Alpha E-TEC range has a reputation for reliability and cost-effectiveness, making it a popular choice among homeowners looking for a balance between performance and budget.

## **Considerations When Selecting Residential Boilers**

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Whether you're replacing an old boiler or purchasing a new one entirely, you must select the boiler that best meets your requirements. You also want to ensure you're obtaining the greatest product possible, from the budget to the available space to the annual fuel economy.

Make sure you read the descriptions carefully and get a professional to connect the condensing or steam boilers for you. Then we'll look at the factors.

### **Size Of Home**

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The number of bathrooms you have will influence the sort of boiler you choose, whether you're looking for the best gas boilers, steam boilers, or condensing boilers. This is because your boiler might be your home's main source of heat.

As previously said, if you have a large home, consider a conventional boiler or a system boiler. A combi boiler may be the best alternative if you have a smaller property with only one bathroom.

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### **Energy Efficiency**

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The steam produced by most boilers may be utilized for a variety of applications. Even if you have access to natural gas, you can benefit from a high-efficiency condensing boiler. A gas-modulating condensing boiler will save you a lot of money on energy.

The boiler system you select can have an influence on the amount of fuel energy input and help you save a lot of money. As a result, consider energy efficiency while selecting the finest gas heater for you. Boilers with high efficiency and low energy consumption are a blessing.

You may need to update your boiler if it consumes too much energy during the hot water heating process. Don't be put off by the cost of a boiler. Getting a more costly condensing boiler instead of a normal boiler that uses too much energy might save you more money.

Fortunately, we've looked at boiler brands that prioritize energy efficiency. Before you choose a brand, make sure the boiler is efficient. When compared to other ordinary boilers, a condensing boiler will save you over 15% on energy.

Manufacturers of boilers are increasingly considering efficient heating. In the long term, non-condensing boilers might be more expensive.

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## Hot Water Usage

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Even if you live in a modest house, you need more hot water than someone who has two bathrooms. As a result, the type of condensing boiler you buy will be determined by the volume of hot water you consume. However, if your water demand isn't so high, you may acquire a combi condensing boiler.

If you need a lot of hot water, a system boiler is a better option than a combination boiler. Before deciding on a natural gas boiler, make sure you know how much room you have. A system boiler can be used if you don't have an adequate room yet use a lot of water.

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## Existing Boiler System

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If you have a hot water boiler or other pieces of heating equipment that aren't operating well and you want to replace it, find a replacement that will blend in with your current system. Boilers with a standard efficiency rating are a wonderful choice since they save energy.

Consider if you want to preserve your current hot water boiler system or replace it with one that is more suited to your house and needs. It would help if you also thought about whether you want stainless steel or cast iron heat exchanger.

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## FAQs about Residential Boilers

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### ***Is it true that gas boilers are being phased out?***

Gas boilers in existing houses will not be phased out in the near future.

### ***What is the cost of a home gas boiler?***

The average cost of a gas boiler is \$5,681, with prices ranging from \$3,124 to \$8,306.



### ***In 2025, what will take the place of gas boilers?***

In all new-build homes, by 2025, gas boilers will be replaced with renewable heating systems. This is part of the government's plan to reduce CO2 emissions to zero by 2050.

### ***Is it worthwhile to purchase a new gas boiler?***

Yes, if your gas boiler is more than ten years old, it's time to replace it. Furthermore, your boiler is most likely inefficient compared to a modern boiler.

### ***Where can I buy a gas boiler?***

A gas boiler may be purchased online at Home Depot, Lowes, and Amazon.com, or in-store at Home Depot and Lowes.

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