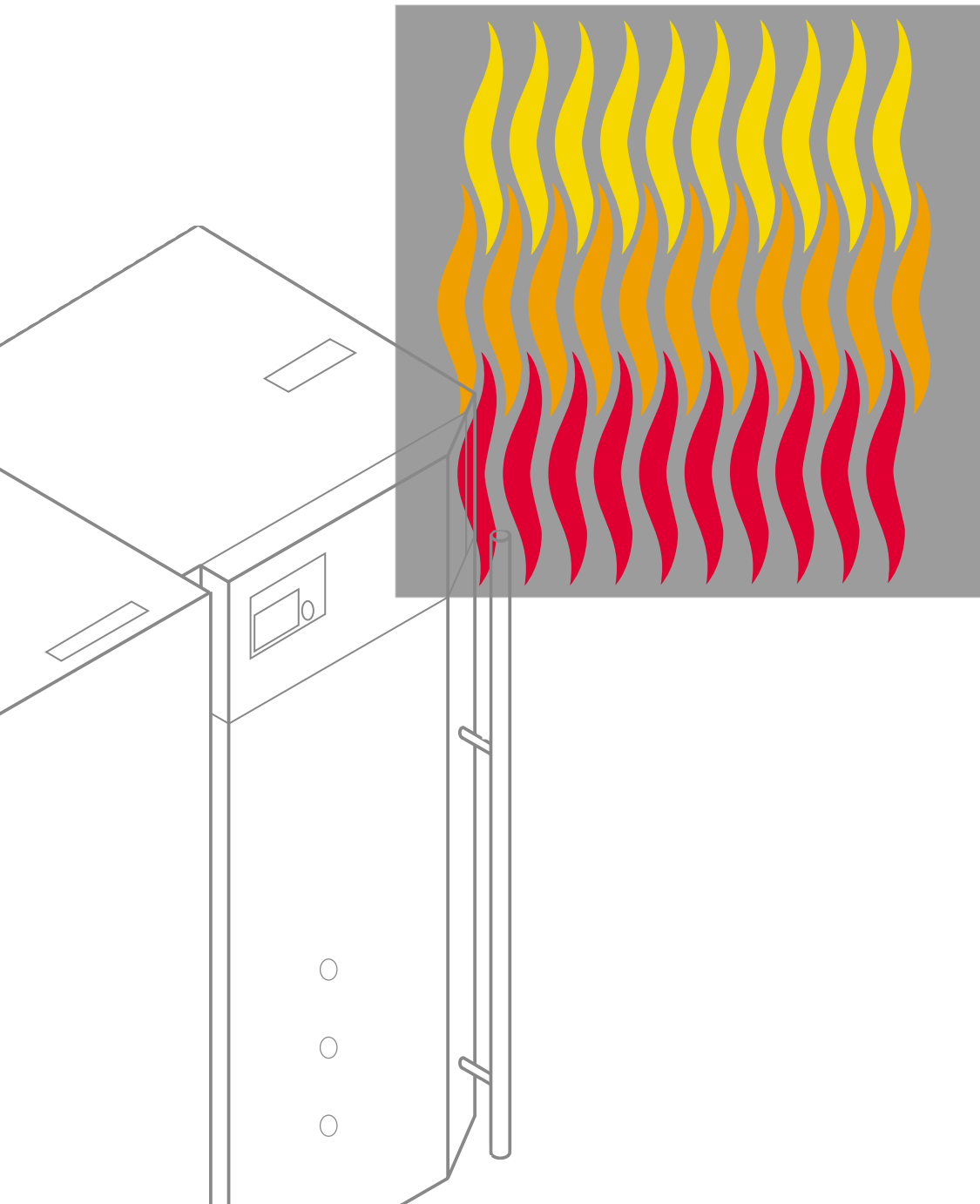


VITOLIG

VIESMANN

Solid fuel boiler
Rated output range: 5 to 40 kW





Vitolig: heating with renewable energy

Growing environmental awareness increases the demand for the use of renewable energies.

Consequently, the creation of heat and electricity through sunlight, the utilisation of energy from the environment by deploying heat pumps and the combustion of wood as renewable resource in modern solid fuel boilers is gaining in popularity.

Whether you wish to burn wood all the time, or just occasionally, Viessmann has a boiler to meet your needs. The range is comprised of the Vitolig 100 split log boiler, the Vitolig 200 wood gasification boiler and the Vitolig 300, which is a pellet boiler.

Using wood as a fuel is CO₂ neutral because this natural fuel only produces as much carbon dioxide as was absorbed by the growing tree. Moreover, wood is readily available and easy to prepare for burning.

Modern solid fuel boilers make the best use of the energy in wood. They are constructed in such a way that large amounts of heat are transferred to the heating water, and highly effective thermal insulation keeps heat losses to a minimum.

When used in conjunction with an oil or gas fired boiler, you can decide on the type of fuel you wish to use, thus reducing your dependence on one type of fuel alone.



Vitolig 100 –
Boiler for split logs

Solid fuel boiler for split logs at a very attractive price

Vitolig 100 is a very attractively priced natural draught, solid fuel boiler in the output range 12.7 to 14.8 kW. Its generous combustion chamber ensures long combustion times; the water-cooled grate and the controllable preheated ventilation air ensure optimum fuel utilisation.

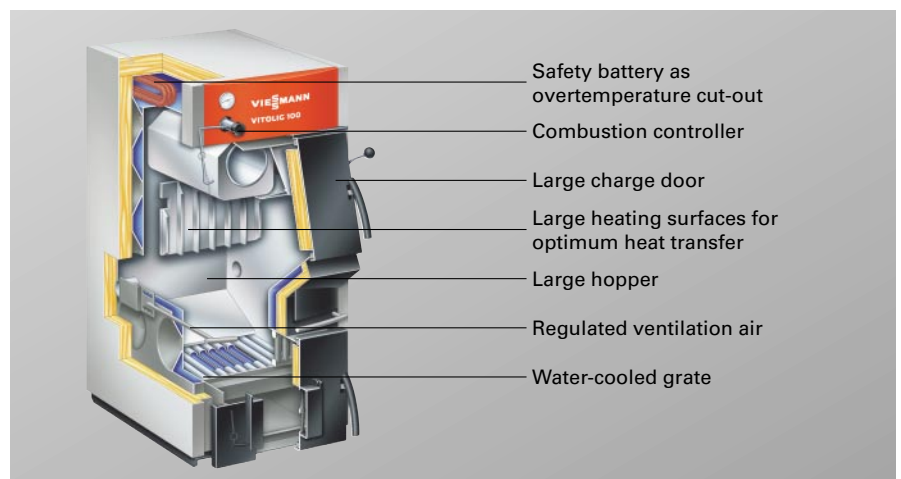
Large water-carrying secondary heating surfaces and effective flue gas routing keep flue gas temperatures low and ensure efficient fuel utilisation. Due to the water-carrying grate, the high temperatures produced by the base incandescence are fully utilised.

The hot heating water flows to the rear boiler wall via the rising grate pipes. Once through the boiler wall, it mixes with the cold return water, thus raising the return temperature and preventing boiler corrosion.



Wood – a renewable energy resource

- Very attractively priced split log, solid fuel boiler: 12.7 to 14.8 kW.
- Solid fuel boiler for burning split logs up to 33 cm long.
- Rated output of up to 14.8 kW: no monitoring requirement according to the 1st BImSchV.
- The water-cooled grate and a controllable preheated secondary air supply ensure good fuel utilisation.
- Solid fuel boiler with low natural draught requirement, enabling operation with almost every chimney type.
- Quick installation and simple operation from the front.
- Large hopper for longer combustion times.
- Simple filling from the front through a large charge door.
- Controllable and preheated secondary air for clean, environmentally friendly and complete combustion.





Vitolig 200 –
High performance
wood gasification
boiler

High quality high performance wood gasification boiler

Digital boiler control unit

Combustion is regulated by the easy to use digital boiler control unit, with self-diagnostic system. A differential temperature buffer cylinder loading controller is part of the control system.

Vitolig 200 is a high quality wood gasification boiler (13 to 40 kW) with output modulating between of 50 to 100% of rated output. 50 cm long split logs, chippings and wood briquettes are easily handled by the large stainless steel hopper. Combustion periods of up to 12 hours guarantee long intervals between recharging.

The unique automatic heat-up control ensures that the combustion chamber temperature required for optimum combustion is reached within three minutes from start-up.

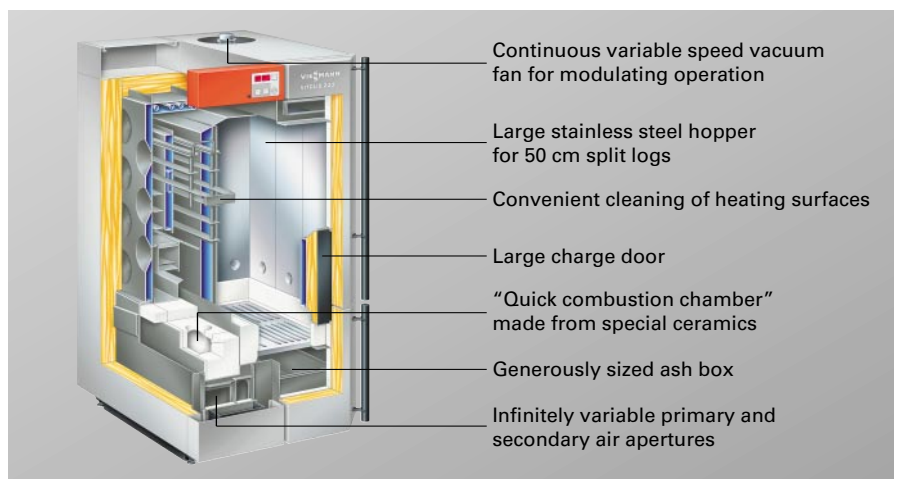
The extraction of oxygen from inside the hopper means that the split logs smoulder rather than burn. There is no flame, as the oxygen required for combustion has been removed. The variable speed vacuum fan ensures that the correct amount of wood gases are drawn from the incandescence into the ceramic combustion chamber. Here, it is enriched with oxygen through the rotary ventilation disc. The combustible wood gases burn cleanly at high temperatures, even at partial load.

The demand-dependent production of combustible wood gas means that the boiler output can be regulated from 50 to 100%. Combustion efficiency reaches 92% and emissions are low.



Large, corrosion resistant stainless steel hopper

- High quality wood gasification boiler, 13 to 40 kW: 50 cm long split logs, chippings and wood briquettes are easily managed by the stainless steel hopper and the combustion chamber made from special ceramics.
- Automatic heat-up procedure for heat availability in minutes.
- Modulating operation in every output range from the powerful variable speed vacuum fan, therefore optimum matching to the current heat demand.
- Process optimised combustion and automatic output control: combustion efficiency up to 92%, as well as low emissions.
- No odour nuisance in the boiler room because of our patented carbonisation gas extract system.
- Easy to operate digital boiler control unit with self-diagnostic system.
- Large stainless steel hopper for long combustion periods of up to 12 hours without recharging.
- Simple, mechanical cleaning of the heating surfaces and long cleaning intervals, e.g. ash needs to be removed only every other week.



- Continuous variable speed vacuum fan for modulating operation
- Large stainless steel hopper for 50 cm split logs
- Convenient cleaning of heating surfaces
- Large charge door
- “Quick combustion chamber” made from special ceramics
- Generously sized ash box
- Infinitely variable primary and secondary air apertures



Vitolig 300 –
Boiler for wood
pellets

Excellence in wood pellet combustion

The excellent Vitolig 300 wood pellet boiler, with a rated output of between 5 and 26 kW, hardly differs at all, in terms of convenience and controllability, from oil or gas fired heating systems – largely due to its modulating output and digital control. Modulation is effected by the variable speed vacuum fan, so output can be perfectly matched to the current heat demand.

A 150 litre hopper feeds pellets through the fully automated pellet metering auger. The content of the pellet hopper should last for up to two days, subject to the prevailing outside temperature.

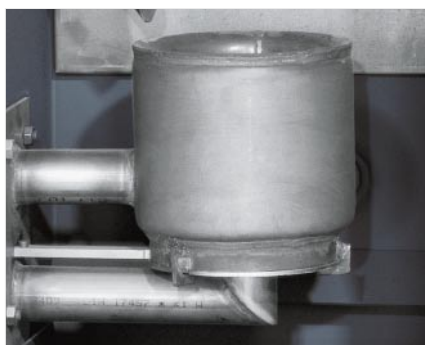


Vitolig 300 with ash box

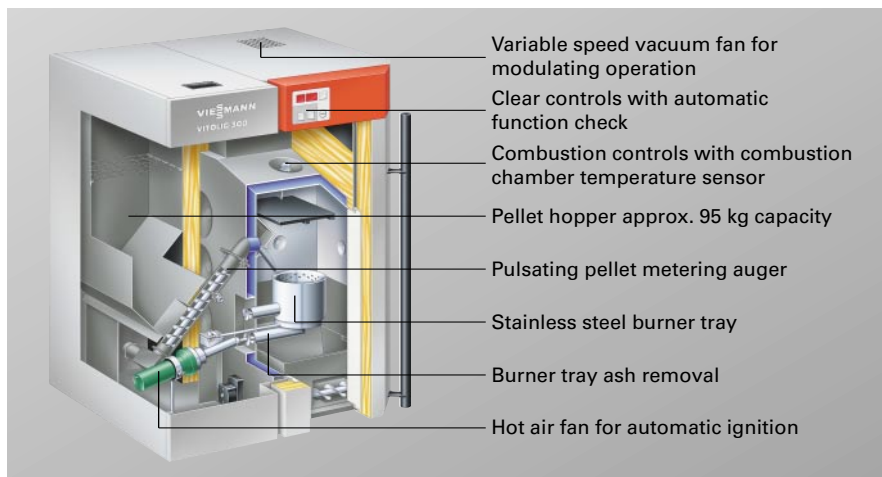
A hot air fan provides fully automatic ignition in the high-temperature resistant stainless steel burner tray.

The heating surfaces are automatically cleaned and the ash in the burner tray is automatically removed. Optimum combustion leads to extremely low ash residues.

- Boiler for wood pellets, 5 to 26 kW.
- The Vitolig 300 wood pellet boiler hardly differs at all, in terms of convenience and controllability, from oil or gas fired heating systems – largely due to its modulating output and digital control.
- Optimum energy utilisation through self-regulating output, thus creating low flue gas temperatures and a high combustion efficiency of up to 95%.
- Small footprint because of compact design (footprint: 0.6 m²).
- Fully automatic pellet feed and vacuum feed system (accessory) – integral pellet hopper (150 litres capacity) will last for up to two days, subject to the prevailing outside temperature.
- Hot air fan, for fully automatic quiet ignition.
- A pulsating pellet metering auger, a variable speed vacuum fan and precisely metered fuel and air volume for modulating operation and optimum matching of output to the current heat demand.
- Digital control unit with automatic function monitoring, heating circuit control for one heating circuit with mixer and cylinder control thermostat.
- Self-cleaning heating surfaces and automatic ash removal from the burner tray provide long intervals between cleaning.



Burner tray in high-temperature resistant stainless steel



- Variable speed vacuum fan for modulating operation
- Clear controls with automatic function check
- Combustion controls with combustion chamber temperature sensor
- Pellet hopper approx. 95 kg capacity
- Pulsating pellet metering auger
- Stainless steel burner tray
- Burner tray ash removal
- Hot air fan for automatic ignition

Vitolic range of solid fuel boilers

VITOLIG 100

Boiler for split logs
12.7 to 14.8 kW



VITOLIG 200

High performance
wood gasification boiler
13 to 40 kW



VITOLIG 300

Boiler for wood pellets
5 to 26 kW



Rated output	kW	12.7 to 14.8	
Overall dimensions			
Length	mm	900	
Width	mm	570	
Height	mm	1150	
Total weight (boiler body with thermal insulation)	kg	203	
Boiler water content	litres	55	
Fuel hopper capacity	litres	57	

Rated output	kW	13 to 26	20 to 40
Overall dimensions			
Length	mm	1014	1014
Width	mm	915	915
Height	mm	1493	1693
Total weight (boiler body with thermal insulation)	kg	580	650
Boiler water content	litres	71	93
Fuel hopper capacity	litres	150	215

Rated output	kW	5 to 15	8 to 26
Overall dimensions			
Length	mm	656	721
Width	mm	1285	1285
Height	mm	1142	1142
Total weight (boiler body with thermal insulation)	kg	250	297
Boiler water content	litres	32	38
Fuel hopper capacity	litres	150	150



The Viessmann Centre in Allendorf showing the company museum "Via Temporis"

"more than heat"

For three generations the Viessmann family business has been committed to generating heat conveniently, economically and in accordance with the prevailing demand, whilst remaining environmentally responsible. Over the years Viessmann has produced technological milestones for the heating equipment sector with a number of exceptional product developments and problem-solving solutions making them frequently the trend-setter and pacemaker for their entire industry.

With the current Vitotec range Viessmann offers its customers a comprehensive, multistage range with output from 1.5 kW to 15000 kW. This range includes freestanding and wall mounted boilers for oil and gas, either with conventional or condensing technology. Systems using renewable energy, such as heat pumps, solar heating systems and boilers for sustainable fuel supplies are available, as are control and data communication components and the entire system periphery – down to radiators and underfloor heating systems.

Viessmann's orientation is decidedly international: it maintains 10 factories in Germany, France, Canada, Poland and China, sales organisations in Germany and 33 other countries, and 110 sales offices worldwide.

Responsibility for the environment and society at large, fairness in dealing with business partners and employees as well as striving for perfection and the highest efficiency in all business processes are core values for Viessmann. This applies to every individual employee and, therefore, to the whole company. It offers its customers, with the multitude of its products and associated services, the particular benefit and added value of a strong brand.

Viessmann – more than heat

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Wall mounted boilers for oil and gas, with conventional and condensing technology



Renewable energy systems for the utilisation of environmental energy, solar energy and sustainable fuel supplies



Heating system components, from fuel storage to radiators and underfloor heating systems

Freestanding boilers for oil and gas, with conventional and condensing technology

