

Hoval

Hoval BioLyt

Ideal for renovations:
our wood pellet boiler.

Comfortable | Climate-friendly | Variable



Hoval | Responsibility for energy and environment

Hoval BioLyt

Wood pellet boiler.

Pellets enable you to heat sustainably with wood. High pressure is used to press wood waste such as wood shavings and sawdust into pellets. This means that pellets are entirely natural and include “condensed” wood energy.

Added value for your benefit:

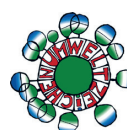
- Comfortable heat from wood
- CO₂-neutral heating
- Ideal boiler replacement
- Minimum consumption
- Long intervals between cleaning



A++

Wood pellet boiler for heating and generating hot water. Modulating, with Hoval TopTronic® E controller.

Application range: single-family and multi-family houses, nursery schools, schools or small to medium-sized commercial buildings – for renovation projects or new buildings.





Comfortable

BioLyt reliably provides comfortable heat for your rooms as well as hot water. What's more, it offers excellent efficiency of up to 95% even at high heating temperatures. To provide a high level of thermal comfort, the BioLyt boiler takes into account the outdoor temperature and, if required, the weather forecast. BioLyt is as easy to operate as it is to adjust the heat. There is no need to light the wood or add the wood yourself, as BioLyt automatically takes care of all these tasks for you.

Climate-friendly

BioLyt sets new standards when it comes to heating with wood as a renewable fuel. Burning fossil fuels releases harmful CO₂. Wood, on the other hand, is CO₂-neutral, because its combustion only produces as much carbon dioxide as the tree removed from the atmosphere by photosynthesis while it was growing. If the wood was left to rot instead, it would release the same amount of CO₂ as during the combustion process. Wood can usually be found growing right on our own doorstep. Therefore, if the pellets are produced using native wood, the energy required for extraction and transport remains low. This also means that wood pellets are easy to come by in times of crisis.

By purchasing a BioLyt, you are choosing a climate-friendly energy solution. Take another step towards a future worth living.

Variable

BioLyt boilers are equipped with a pellet hopper as standard. Moreover, depending on individual requirements and space conditions, the BioLyt can be combined with a wide variety of storage and fully automatic pellet feed systems. Hoval has the right solution for every requirement.

Equipped with boiler start-up protection, the BioLyt can easily be integrated into existing heating systems. This results in both low planning and installation costs. What's more, the BioLyt can easily be combined with other products from Hoval thanks to its TopTronic® E controller. On the whole, BioLyt boilers are ideal candidates for both new buildings as well as renovation projects. In the latter case, the BioLyt features a particularly efficient design which can be delivered in separate packages. This makes it easy to transport and fit into tight basement spaces.

Hoval BioLyt

Pellets which generate heat.

Efficient operation

BioLyt combustion technology is highly optimised. It produces exactly the right amount of heat that is needed at any given time – a technique better known as modulation. This increases efficiency and reduces emissions. Hoval's expertise provides the perfect interaction of all components in the combustion process, which not only reduces its environmental impact but also helps to save money.

Pellet hopper

If BioLyt's large, standard pellet hopper is used by itself, it must be filled by hand. Yet if the hopper is used in combination with the pellet feed system, it can be filled automatically from a storage tank. The pellets are generally refilled twice a day at specified times and according to demand.

Convenient ash removal

An automatic screw conveyor system transfers the accumulating ash into an ash box. Due to a combustion process which is virtually free of residues, this box only needs to be emptied once a year – much less frequently than with conventional systems. Simply pull out the handle, roll out the box and dispose of the ash in the household waste.



Pellet storage tank

A pellet storage tank for an average single-family house requires about 6–8 m³, which is roughly the same amount of space as an oil tank. A converted room with a sloping floor, a fabric silo or an embedded concrete tank can be used as a storage tank. Discover Hoval's extensive range of products.

Easy to fit and quick to install

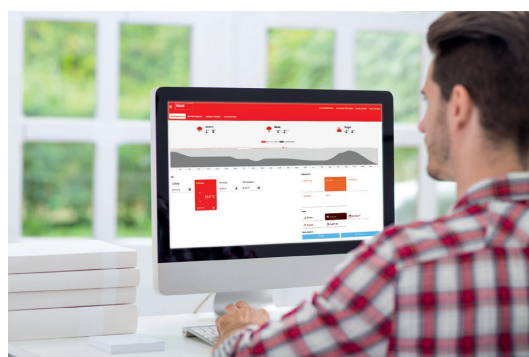
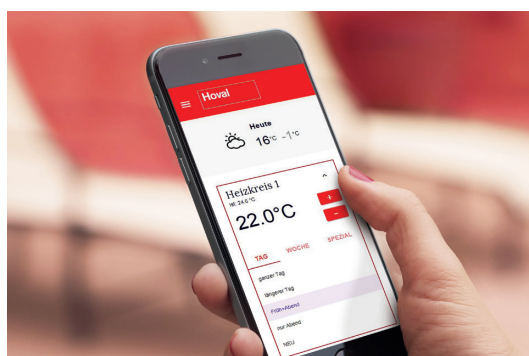
Guided by the aphorism "Time is money", our designers have developed a modular concept for the BioLyt boilers. The units are delivered in separate, portable packages and – thanks to their modular design – can be quickly assembled on site. This is a major advantage when it comes to installing the boilers in tight spaces or in renovation projects.





Hoval TopTronic® E

As little control as necessary.



Hoval TopTronic® E

is the uniform system controller for Hoval heat generators and comfort ventilation as well as other components such as solar plants or calorifiers. It connects the individual components and ensures that they interact in the most energy-efficient manner. All the connected components can be adjusted using the same control module. The HovalConnect online service enables the Hoval TopTronic® E control system to be accessed via a browser or a smartphone app.

Straightforward

One control system for everything. You do not need to worry about a thing. Once set up, the TopTronic® E system controller automatically provides the right temperature in your rooms, hot water and even a pleasant supply of fresh air.

Convenient

Operate your Hoval system from anywhere with the HovalConnect online service. The app lets you adjust temperatures, select the programmes you want or switch your system from holiday mode. HovalConnect even takes into account the weather forecast, preventing rooms from overheating and saving on expensive heating energy.

Informative

The room control module's large display enables you to view information ranging from the most important system data down to the weather forecast. The HovalConnect dashboard also lets you check your system's output and consumption data. And no matter which unit you're using, the heating system automatically reports when service is required or faults occur.

Hoval BioLyt

Technology and systems.

Hoval BioLyt		(13)	(15)	(23)	(25)	(31)	(36)	(43)
Energy efficiency class of the compound system with control		A+	A+	A+	A+	A+	A+	A+
Energy efficiency class of the compound system with control, incl. room control module		A++	A++	A++	A++	A++	A++	A++
Boiler efficiency at nominal heat output	%	>93	>93	>95	>95	>95	>95	>93
Nominal heat output	kW	13,0	14,9	23,0	24,9	31,0	36,0	43,0
Min. heat output	kW	3,9	4,4	6,5	7,3	8,7	9,8	11,1
Max. operating pressure	bar	3	3	3	3	3	3	3
Pellet hopper capacity	kg	90	90	90	110	110	110	110
Aschebox	Liter	28	28	28	28	28	28	28

Effective in a system

Hoval supplies all components for an efficient heating and room air system. The Hoval TopTronic® E system controller combines all components into an efficient overall system. This solution ensures you are provided with standardised operation and matching components.



Hoval
heat generators



Hoval
solar plant



Hoval
storage tanks



Hoval
comfort ventilation

We are there for you
And we have been for generations.



Consulting and design

Whether you're looking for a heating, cooling or ventilation solution, for a new building or a renovation project, Hoval is here to give you expert advice. Do you design, install or operate systems? Or are you an investor? Then we speak your language. Experienced Hoval consultants gain an in-depth understanding of your requirements and suggest appropriate solutions on that basis.

Service expertise

Do you need to have a system commissioned or serviced? Hoval customer service technicians are here to help. Regular maintenance will give your system a longer service life. Your investment will maintain its value over many years and operation will remain as economical as possible.



Hoval quality.
You can count on us.

Hoval

As a specialist in heating and climate technology, Hoval is your experienced partner for system solutions. For example, you can heat water with the sun's energy and your rooms with oil, gas, wood or a heat pump. Hoval ties together the various technologies and also integrates room ventilation into the system. So you can save energy while looking after the environment and your costs – and still enjoy the same level of comfort.

Hoval is one of the leading international companies for indoor climate solutions. More than 75 years of experience continuously motivate us to design innovative system solutions. We manufacture complete systems for heating, cooling and ventilation to more than 50 countries.

We take our responsibility for the environment seriously. Energy efficiency is at the heart of the heating and ventilation systems we design and develop.

Responsibility for energy and environment

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Your Hoval partner



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