

Hoval

Hoval MultiJet®

Heat from any oil!

Uncomplicated | Robust | Efficient



Hoval | Responsibility for energy and environment

Hoval MultiJet®

Oil condensing boiler.

Fuel oil has been a proven source of heat for many years. Simple and versatile: heating with traditional oil is often still the cheapest alternative. Oil has a high energy density and is easy to store. Modern oil heating systems with condensing technology are convenient, particularly fuel-efficient, save energy and can be used with biofuel oil.

Added value for you:

- No complications when it comes to the choice of fuel oil
- Robust design
- Ultimate efficiency
- Low space requirements
- Straightforward integration into existing heating systems

Oil condensing boiler with jet heat exchanger for heating and generating domestic hot water. Floor-mounted, output adjustment in stages, suitable for different oil qualities, with the Hoval TopTronic® E system controller.

Area of application: single-family homes, two-family homes – for renovations.



A



Uncomplicated

Oil heating technology has been continuously developed over the decades. The Hoval MultiJet® makes use of this proven technology, which can be used almost everywhere. With its sophisticated design, it extracts maximum heating energy from the oil and guarantees a high level of heating comfort.

The Hoval MultiJet® is designed for all oil qualities of the EL fuel oil category. This provides greater flexibility when purchasing fuel. The MultiJet® can also be operated with biofuel oil. This means that the energy-saving MultiJet® technology can be run on 100% renewable energy if desired.

Robust

The MultiJet® is designed for a long service life. All components that come into contact with exhaust gases are made from high-alloy stainless steel. And the workmanship is equally sophisticated. Together, this guarantees reliable protection against corrosion and ensures you can maintain the value of your investment for a long time. In the long run, the MultiJet® proves to be a reliable and operationally safe heat generator.

Efficient

The MultiJet® represents state-of-the-art condensing technology and, consequently, the economical and responsible use of valuable energy. The patented jet heat exchanger and two-stage low-NOx burner are the technological heart of the MultiJet®. This increases its efficiency by up to 10% compared to a low-temperature heating system – while also reducing emissions at the same time!

Jet heat exchanger



Patented jet heat exchanger

The state-of-the-art condensing technology with patented jet heat exchanger ensures higher energy yield and low energy costs. The jet inserts accelerate the hot exhaust gases flowing in from above and divert them at high speed onto the water-cooled heating surface. Seven of these stainless steel jet stages are arranged in a space-saving manner one above the other in the MultiJet®. They cool the flow of exhaust gas from 1100°C down to 40°C, transferring a large part of the valuable heat energy to the heat circuit.

Systems for the energy transition

National laws within Europe stipulate that a large percentage of the energy used for heat generation must come from renewable sources.

With the Hoval MultiJet®, you can ensure compliance with these legal requirements whilst also enjoying the benefits of oil condensing technology. The Hoval MultiJet® can be simply combined with a variety of renewable sources of energy, such as solar plants or air-heat pumps. Hoval provides complete systems from a single source – perfectly coordinated and controlled centrally with the TopTronic® E system controller. Systems with the best possible efficiency, while at the same time guaranteeing the lowest emissions.

Simple, low-cost maintenance

There are many details that make the MultiJet® particularly easy to maintain. For example, all components are easily accessible and can be cleaned effortlessly. In case of failure, they can be replaced quickly and inexpensively. One example of the sophisticated design is that, in order to simplify inspection and maintenance of the burner, the entire burner assembly can be conveniently pivoted out.

Perfect for renovations.

With the MultiJet®, switching to a modern, efficient oil condensing heating system is incredibly simple and financially attractive. It will make any renovation a complete success.

The stacked arrangement of the jet stages makes the compact and slim design possible. Therefore, the MultiJet® requires only little floor space and is easy to install. Flexible connections allow it to be placed close to the wall, which saves additional space.

As the MultiJet® is suitable for all fuel oil qualities, there is no need for time-consuming tank emptying and cleaning if the heating system is to be replaced. Any sulphur content in the residual oil does not cause any issues, so only the boiler needs to be replaced.

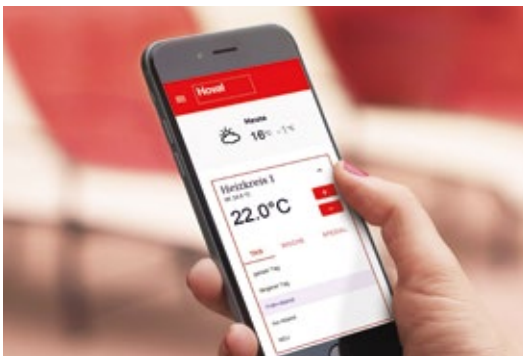
Even upgrading the chimney becomes an inexpensive, effortless task with the MultiJet®. This is ensured by the special, durable and easy-to-install plastic flue gas system that can be employed because of the low flue gas temperatures.





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, domestic 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 a service is required or faults occur.

Hoval MultiJet®

technology and system.

Hoval MultiJet®		(12)	(16)
Energy efficiency class		A	A
Room heating energy efficiency with controller and room sensor η_s	%	91	94
Heat output at 40/30°C, 1st stage	kW	12.0	11.8
Heat output at 40/30°C, 2nd stage	kW	—	16.5
Boiler efficiency at 80/60°C in full-load operation (H_i/H_s)	%	98.3/92.7	98.0/92.5
Boiler efficiency at 30% partial load operation (H_i/H_s) (according to EN 303)	%	104.5/98.6	104.5/98.6
Boiler water content	litres	35	35
Sound power level of heating noise (EN 15036 Part 1) (dependent on room air)	dB(A)	62	67

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? Then contact your Hoval customer service representative or local qualified Hoval partner. Regular maintenance will extend your system's service life. Your investment will retain its value over many years and operation will remain as economical as possible.



Hoval quality.
You can count on us.

Hoval

Hoval is one of the leading international companies for heating and indoor climate solutions. Drawing on more than 75 years of experience and benefiting from a close-knit team culture, the Hoval Group delivers exciting solutions and develops technically superior products. This leadership role requires a sense of responsibility for energy and the environment, which is expressed in an intelligent combination of different heating technologies and customised in-door climate solutions.

Hoval also provides personal consultations and comprehensive customer service. With around 2200 employees in 16 companies around the world, Hoval sees itself not as a conglomerate, but as a large family that thinks and acts globally.

Hoval heating and indoor climate solutions are currently exported to more than 50 countries.

Responsibility for energy and environment

Germany

Hoval GmbH
85609 Aschheim-Dornach
hoval.de

Austria

Hoval Gesellschaft m.b.H.
4614 Marchtrenk
hoval.at

Switzerland

Hoval AG
8706 Feldmeilen
hoval.ch

Your Hoval partner