Hoval

Hoval HomeVent®

Ventilate your home today. With the comfort ventilation system of the future.

Optimum air quality | Exceptionally quiet | Energy-saving



Hoval | Responsibility for energy and environment

Hoval HomeVent®
comfort ventilation.

With our new HomeVent®, we have made something good even better and have further refined our comfort ventilation system.

Working almost silently, with an optimum air flow rate and exceptional energy efficiency, HomeVent® brings home comfort to a whole new level. State-of-the-art technology packaged in an elegant design ensures permanent air exchange and optimum air quality.

The room receives a constant supply of fresh air that's not too humid and not too dry – so you and your loved ones will feel comfortable at all times. There's no need to think about ventilation, and valuable heating energy stays inside the home. This is how your comfortable climate can work today to ensure a sustainable future.

When you choose HomeVent®, you are choosing a comfort ventilation system that combines state-of-the-art technology and over 20 years of experience.



Unparalleled level of performance for its size class. Confirmed by TÜV SÜD.

Ventilation doesn't get better than this.
The benefits.

- Optimum air quality
- Exceptionally quiet
- Energy-saving



Why comfort ventilation?
Ask for the brochure:
"13 refreshingly plausible arguments for controlled domestic ventilation".

Fig.: HomeVent® ER
Comfort ventilation unit
with Hoval TopTronic® E system controller.

Area of application: single-family and multi-family homes, offices, classrooms

A+
(A+→ G)



Optimum air quality – around the clock.

HomeVent® supplies fresh air – completely automatically and around the clock. The integrated humidity recovery system creates a healthy indoor climate and keeps the air humidity at an ideal level of between 40 and 60 %, making a key contribution to protecting our health.

Air that is excessively dry irritates the airways, while air that is too humid encourages mould to form. When air humidity is kept within the ideal range, the aerosol transmission of viruses is proven to be significantly lower. What's more, it is more difficult for dust particles and other allergens to move freely in the air. This all helps our immune system to fight off attacks more effectively.

Integrated air quality sensors constantly monitor the air quality and adapt the system's output to the requirements in real time. HomeVent® even notices if a candle has been lit or if guests have come to visit. The fresh air supply is regulated according to need. Highly efficiently. Fully automatically. State-of-the-art technology you can feel but can't hear.

An exceptionally quiet yet powerful background performance.

Our HomeVent® comfort ventilation is extremely quiet. And it's all down to sound-absorbing elements.

Even at night, when everyone is asleep, the comfort ventilation system silently takes away used air and replaces it with fresh air. There's no need to open the windows – so noise from the street and annoying insects are kept outside.

Energy-saving – sustainability for our future.

It is the technology that enables our comfort ventilation system to save so much energy. Whether it's the energy-saving drive, powerful fans or state-of-the-art enthalpy heat exchanger, every single component plays its part in reducing your energy requirements.

What's more, the heat recovery function helps HomeVent® to save 15 times more heating energy than the system uses during operation. It is so effective that there is no need to electrically pre-heat the fresh air even at outdoor temperatures down to minus 20 degrees.

Enthalpy – preventing heat and air humidity from getting lost.

HomeVent® works to recover both heat and air humidity. In doing so, it relies on the best technology available for comfort ventilation systems – enthalpy. Because it simply makes sense.

With its special coating, the enthalpy heat exchanger is able to recover evaporation energy (air humidity) as well as thermal energy (heat). In a nutshell, HomeVent® transfers the humidity from the room air to the fresh supply air based on requirements. As a result, the integrated humidity recovery system enables our system to keep the air humidity at an ideal level of between 40 and 60 %.

It is important to remember that room air humidity isn't just crucial when it comes to the spread of viruses – it also plays a major role regarding pollen and house dust mite allergies – as it reduces the extent to which particles are swirled up in the room air.

HomeVent® with enthalpy can therefore also be regarded as a way of preventing infections and respiratory complaints. For a healthy indoor climate in your home.



Extra-efficient filters.

In HomeVent®, extremely efficient fine dust filters clean the air.

With a filter class of $ePM_{1,0}$ 55%, the filters help allergy and asthma sufferers breathe freely and make life easier for people struggling with respiratory complaints such as hay fever. Essentially, the filter prevents tiny particles such as pollen or even fine dust from getting inside the rooms.

And what about changing the filters? You only need to think about this once or twice a year. Use the QR code to order your new filter and replace it when you need to – it couldn't be simpler!

Ultra-high efficiency. With the right system.

We set the highest standards when it comes to the efficiency of our comfort ventilation. Crucial to this is a perfectly coordinated system.

HomeVent® achieves its exceptionally high levels of efficiency by optimum air guidance within the unit. This is also what makes HomeVent® so quiet. The fans with 3D blade geometry achieve an air flow rate of up to 450 m^3 per hour. This level of performance is unparalleled in this size class.

The enthalpy heat exchanger also plays its part in achieving this high level of efficiency. It helps us to recover more energy than we consume during operation, while the additional humidity recovery allows us to create an ideal room climate. All of this combined is what makes HomeVent® extraordinarily efficient. And we're not the only ones saying this – our figures have also been confirmed by certification organisation TÜV SÜD.

Flexibility for discreet installation.

Nothing is impossible! The sophisticated technology means there is nowhere in your home that the HomeVent® comfort ventilation cannot be installed.

Whether standing, lying down, suspended or positioned at an angle or horizontally. Indoors or outdoors. Neatly in a cupboard or at an angle under the stairs. HomeVent® adapts to your surroundings and can be integrated discreetly in your home. Even in places with complex requirements.

A complete system. Sophisticated and built to last.

When you choose HomeVent®, you are choosing a sophisticated complete system – from aesthetically pleasing design grilles and high-quality consumables such as filters right the way up to additional accessories to meet your individual needs.

We offer parts that are built to last, a 15-year spare parts warranty and professional customer service around the clock.

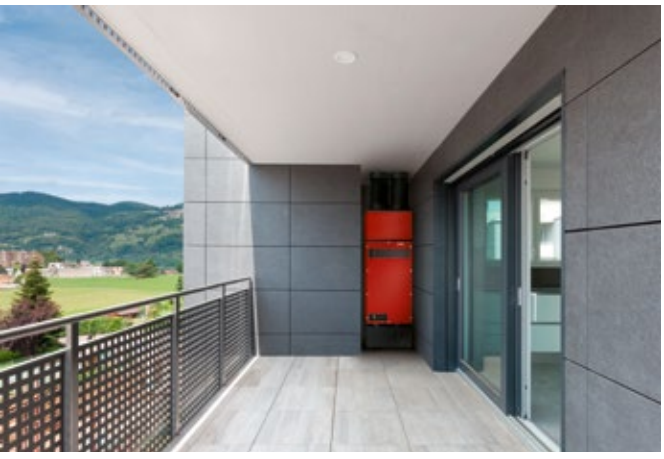


As little control as necessary.

The HomeVent® comfort ventilation operates unnoticed in the background and regulates itself entirely on its own.

Settings can be easily made via the control module or the HovalConnect app if you wish.

With the controller, you do not only operate your HomeVent® comfort ventilation, but also your Hoval heating or hot water preparation.



The HomeVent® comfort ventilation units can be installed flexibly, e.g. also outdoors on the balcony.



The HomeVent® system offers a wide range of stylish design grilles for supply and extract air. Ask for the brochure “HomeVent® design grilles”.



Performance values independently confirmed by TÜV SÜD.

Hoval HomeVent®

Technology and systems.





Overview		HomeVent® ER			HomeVent® ERT		
		(200)	(300)	(400)	(250)	(350)	(450)
Area of application		Flats	Single-family homes		Single-family homes		Villas, commercial facilities
Technical data [1]							
Air flow rate [2]	m^3/h	40–200	50–300	60–400	50–250	60–350	70–450
Heat recovery efficiency up to	%	130			130		
Heat recovery [2]	%	0–84	0–83	0–82	0–85	0–84	0–82
Humidity recovery [2]	%	0–90	0–88	0–86	0–86	0–86	0–81
Power consumption [3]	W	34	54	81	43	66	98
Dimensions (L/W/D)	mm	1000/560/374			875/560/560		
Equipment							
as standard		Heat and humidity recovery Flexible installation position Fine dust / pollen filter			Heat and humidity recovery Flexible installation position Fine dust / pollen filter		
optional		Cooling recovery (CoolVent) Integrated air quality sensors			Cooling recovery (CoolVent) Integrated air quality sensors		
air connectors		on 2 sides (up- and downwards)			on 1 side (upwards)		
Electrical pre-heating / condensate drain		not necessary			not necessary		
Energy efficiency (A+→ G)		A+	A+	A	A+	A+	A

[1] Acc. to EN13141-7 [2] continuously adjustable [3] with 70% air flow rate

The excellent performance values are independently confirmed by TÜV SÜD.

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

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 indoor climate solutions.

Hoval also provides personal consultations and comprehensive customer service. With around 2500 employees in 15 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

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Your Hoval partner