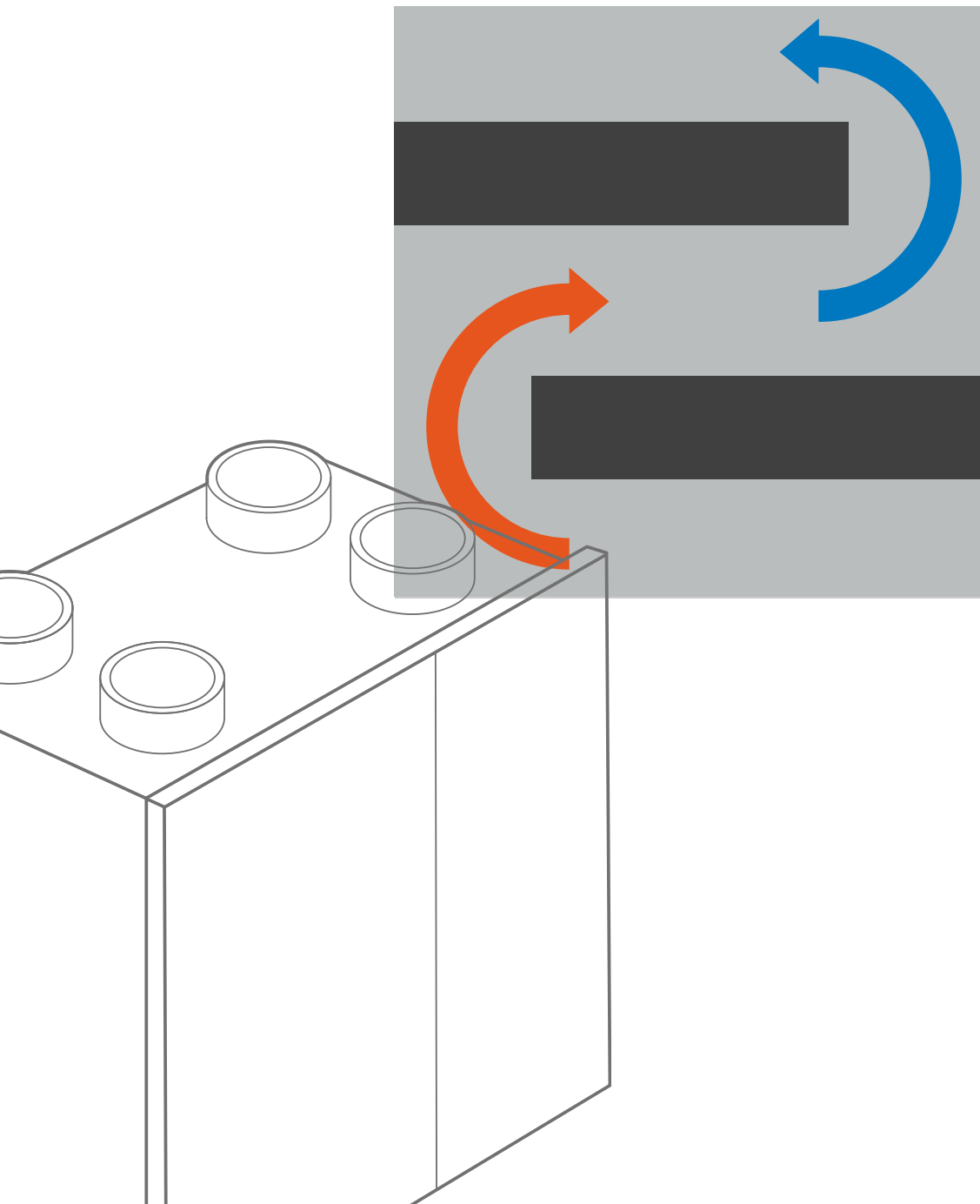


VITOVENT 300

Domestic ventilation system

VIESSMANN





Vitovent 300 –
for ventilation
without wasting
energy

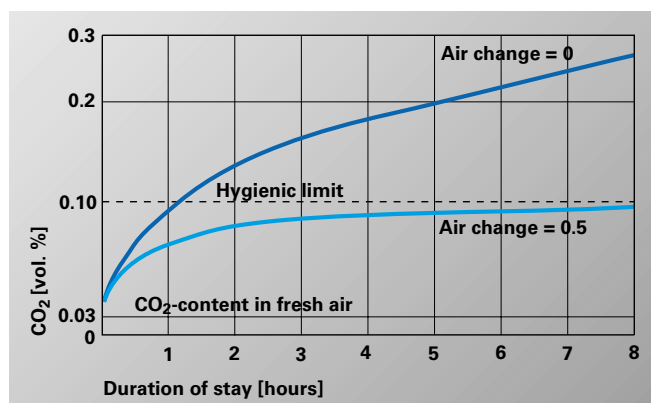
Convenient
remote control

A perfect climate within your own four walls

To reduce heat losses, modern windows and houses built according to the low energy principle are designed to be as "airtight" as possible. However, this also prevents an exchange of air between the outside and inside of the building. Yet the air quality inside is a major influence on the quality of life in our homes. The Vitovent 300 domestic ventilation system ensures a sufficient supply of fresh air, and a pleasant climate, without wasting energy.

Fresh air for well-being

We perceive air to be fresh when its CO₂ concentration falls below 0.1 % vol. By opening the window, you could ventilate too much, wasting valuable heating energy, or too little, making you feel tired or exhausted. A domestic ventilation system, such as Vitovent 300 from Viessmann, constantly ensures a pleasant, healthy indoor climate.



Fungus prevention

One of the main causes of fungal growth in buildings is humid ambient air. Vitovent balances the moisture content inside your home.

This can also prevent damage to the building itself. The reduction of fungal growth and the filtration of outside air further contribute to a feeling of comfort and well-being.

Optimum ventilation, less to pay

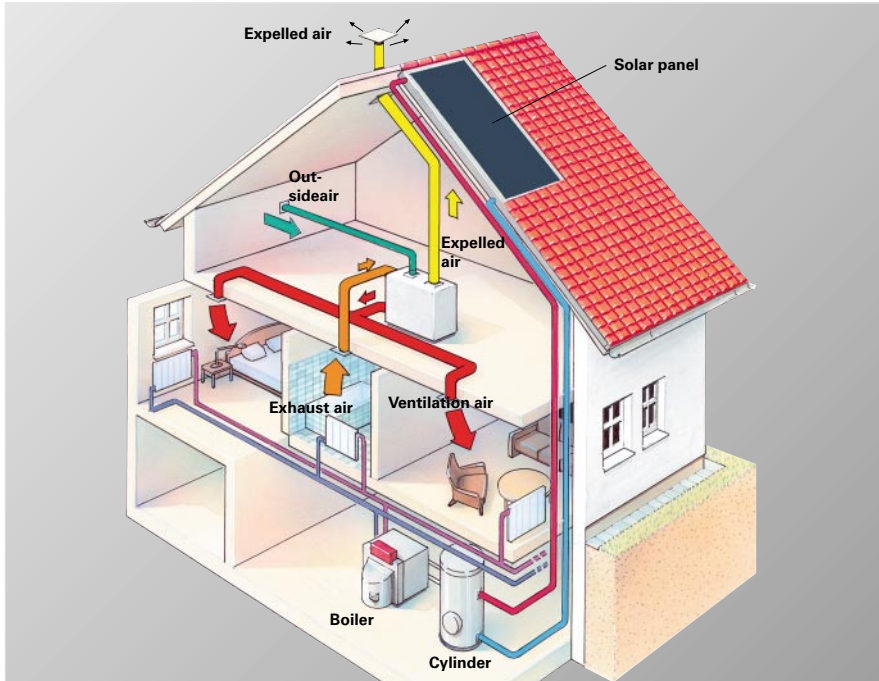
Every ventilation system requires electrical power – but this expenditure pays for itself. The reason: the thermal energy stored in the exhausted air can, to a great extent, be recovered. You ventilate without energy losses and you save on heating costs over a 12 month period.

Cooling with night air

Vitovent 300 is versatile: heat recovery during the heating season, cooling during the summer. This effect is the result of the integral bypass damper which channels cool outside night air into the accommodation.

Increase in CO₂ concentration caused by a single person without physical activity

Make a positive decision for permanent well-being



Vitovent 300 constantly replaces the ambient air whilst removing odours and noxious substances. A remote control allows you to control your ventilation system with optimum convenience.

Minimum energy losses

Energy saving is Vitovent 300's trump card. The powerful heat exchanger recovers approximately 90% of the latent energy in the spent air, and uses it to heat the incoming fresh air. For every kW electrical power used, it yields 15 times the energy in return. For 150 m² living space, that saves 300 litres of fuel oil per annum.

Cooling at night

Vitovent 300 decides whether to activate the heat exchange or not. In summer when it is cooler outside than in, the bypass damper changes over and channels cool air into the accommodation. The constant volume flow and balance control contribute to good air quality.

Allergy sufferers breathe in relief

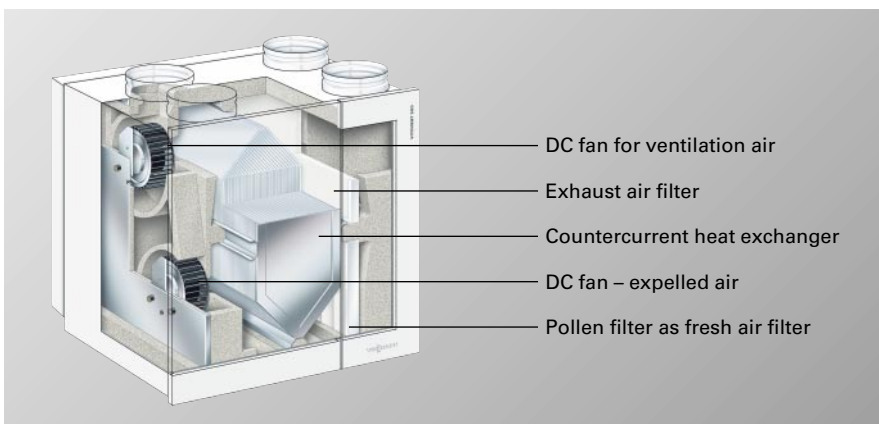
A filtration system employing an effective pollen filter (cat. 6) cleans the fresh outside air creating a healthier climate.

Max. air volume flow		
(adj. in three stages)	m ³ /h	50 to 260
For houses up to	m ²	180
Power consumption	W	10 to 120
Overall dimensions		
Length	mm	525
Width	mm	675
Height	mm	705

Vitovent lets you enjoy a healthy climate and fresh filtered air

At a glance:

- Balanced humidity management prevents building damage.
- Filtered outside air – important for those suffering from allergies.
- Savings in heating costs.
- Odour removal.
- Cooling function during summer nights.
- Closed windows – improved security against burglaries and noise protection.

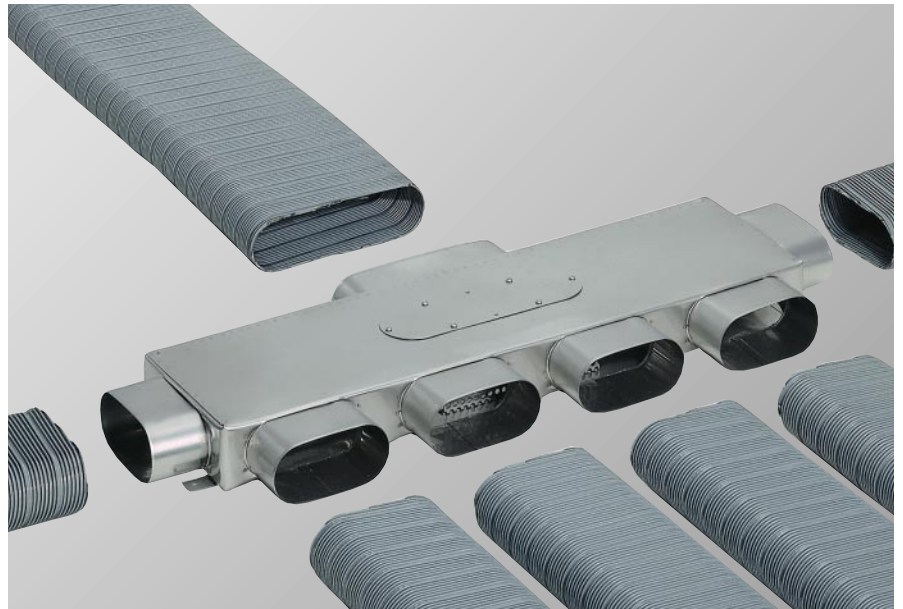


Fastflex system: saves time, space and money

The Fastflex flat channel system is precisely matched to Vitovent 300. This not only saves time during installation and adjustment of the ventilation system, it also saves space. Fastflex is simply routed between two floors, ventilating both floors, i.e. above and below.

It follows the contours of your house – perfectly

Fastflex is flexible enough to get around every corner, and it is robust enough to be installed below the screed, amongst the floor insulation, providing reliability for years to come.



Noise transmission prevented

The robust plug-in joints between ventilation channels and distribution boxes for ventilation air and exhaust air are made from stainless steel, a material resistant to environmental influences. Furthermore, these joints provide acoustic separation between individual rooms, preventing noise transmission via the channel system.



Condensate and thermal bridges are prevented by special insulation on components handling outside air and air expulsion

Perfect for energy-efficient houses

Where air vents are concerned, the choice is yours: slots for wall and ceiling, or a robust walk-on stainless steel grate let into the floor. Viessmann supplies all outlets with stainless steel casings. All components in contact with the outside air are provided with special thermal insulation to prevent the formation of condensate and thermal bridges in the building envelope. This makes Vitovent 300 an ideal choice for energy-efficient houses, too.

The air distribution box is part of a perfectly matched assembly system

At a glance:

- Simple installation and space saving by ventilating two floors with only one ventilation duct.
- Robust and flexible to match all physical conditions.
- Long service life due to stainless steel components.
- Acoustic separation of all rooms, preventing noise transmission.
- Individual installation options – on the wall, in the ceiling or in the floor.
- Greater security: special insulation on external parts prevents the formation of condensate and thermal bridges.

Comprehensive multistage range for every application, demand and aspiration



“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.

Innovation

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.

Top quality

The use of high-grade and particularly suitable materials, in conjunction with highly developed process expertise, are of crucial importance to product quality. Viessmann has made a tradition of using the specific properties of the materials used to bring about innovative technical solutions. In this, the company has created the perfect combination of material selection and manufacturing methodology. Together with the applied knowledge of Viessmann’s employees, this creates the high quality for which Viessmann is renowned.

A comprehensive range for every demand

With the current Vitotec range Viessmann offers its customers a

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

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



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



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

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.

International presence

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, fairness and efficiency

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



The Viessmann Centre, Allendorf, showing the company's museum "Via Temporis"



Viessmann supports top performances in the sporting arena too



Viessmann subsidiaries: 110 worldwide

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