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Viessmann home ventilation systems: Tailor-made solutions for new builds and modernization projects

At ISH 2015, Viessmann is launching two new home ventilation units:

- Vitovent 200-C is a compact and very attractively priced home ventilation unit for single-family homes, large residential buildings, and self-contained guest apartments. The new system can also be installed in existing buildings.
- The new universal air distribution system for all Vitovent centralized home ventilation systems.

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Vitovent 200-C: Attractively priced compact home ventilation system with heat recovery

The new home ventilation system, Vitovent 200-C by Viessmann, is particularly suited for controlled ventilation in single-family and large residential buildings and can easily be installed in existing housing. With this attractively-priced unit, the guidelines stipulated in the German Energy Saving Ordinance (EnEV) can be fulfilled, which require an airtight building envelope to avoid heat loss while simultaneously ensuring sufficient air exchange.

Space-saving unit

Due to its very compact design – the installation height is only 30 centimeters – the system takes up very little space. It is easily concealed in a suspended ceiling, such as in a hallway, for example. Ventilation ducts can be laid from there to the rooms going off the hallway. That preserves the available living space without adding limiting factors. The unit can also be readily installed on a wall.

For living spaces up to 120 square meters

With a maximum air volume flow of 200 m³/h, the system supplies perfect ventilation in living spaces up to about 120 square meters. A filter provides for dust-free intake air. An optional filter for people with allergy sensitivities is also available.

Up to 95 % of the heat can be recovered from the extract air by the crossflow heat exchanger and fed back into the rooms via the fresh intake air. This can translate into real savings, with reductions of up to 15 % of heating costs achieved in comparison to conventional window ventilation systems.

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Summer bypass function for cool intake air

The automatic bypass switch function – a standard component in all ceiling units – ensures that temperatures remain pleasant in hot summer months. During the night, the rooms are cooled by directly feeding fresh, cool outside air into the building past the heat exchanger.

Easy operation

The stand-alone version of the system is operated using a selector switch. When combined with a Vitocal heat pump, it is operated using the Vitotronic 200 heat pump controller. The advantage is that both devices can be conveniently managed and operated via the Vitotronic control panel. In addition, the user can set time programs for home ventilation operations via the controller. The units can also be controlled remotely using the Vitotrol app and a smartphone.

Easy to install

The Vitovent 200-C is delivered as a ready-to-use unit and is thus installed and operational in a short time. With a weight of only 18 kg, it is much lighter than other comparable ventilation units. It can be directly mounted to the ceiling or wall, without any additional installation equipment. The range of compatible system components ensure the effective distribution of intake air and extraction of stale air. The start-up procedure is as easy as its installation. It does not require any special measuring instruments or an evaluation of characteristic curves; the entire parameterization is performed from the digital control panel.

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Advantages for market partners

- Short installation times thanks to delivery of a ready-to-use unit, low weight, and coordinated system accessories

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- Complete parameterization at the digital programming unit; special measuring instruments or characteristic curve evaluations are not required
- Flexible installation, optionally on the wall or ceiling
- Integrated pre-heater bank can be retrofitted.

Advantages for owners

- Excellent room air quality and moisture protection
- Contribution to fulfilling the EnEV
- Operating cost savings thanks to heat recovery of up to 95 %
- Low dust generation due to filtered air, optional pollen filter for people with allergy sensitivities is also available
- Passive cooling due to integrated summer bypass
- Easy operation with a 4-step switch
- Expanded and convenient operation in an integrated network with Vitocal heat pump

Technical specifications

- Air volume flow up to 200 m³/h
- Heat recovery up to 95 %
- Dimensions (H x W x D): 300 x 1,000 x 650 mm

Availability

The new home ventilation system Vitovent 200-C will be on the market from April 2015.

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New air distribution system for centralized Vitovent home ventilation systems

The new air distribution system offers a universal solution for all applications. Regardless of whether installation is intended for floor fill, raw concrete, the ceiling, or the attic – the new air distribution system can be easily installed anywhere. All components are combinable with each other. That makes the system especially flexible and easily adaptable to the respective building requirements.

Flat ducts for installation directly on the raw ceiling

The height of the flat duct system comprises a mere five centimeters maximum throughout, which allows for a particularly compact installation. The plastic ducts are mounted directly on the raw ceiling; therefore the system planning can easily take place after the raw construction phase.

Round ducts for installation in ceiling reinforcements

Round ducts made of plastic are available for flexible installation in ceiling reinforcements. The installation must be planned prior to the raw construction phase. Furthermore, the flexible ducts are a convenient solution for installation in a suspended ceiling.

Easy installation

Regardless of whether you select flat or round duct systems – all components are easily interlockable by hand and snap into place securely; a tool is not necessary. Without exception, all of the air distribution components can be combined with each other.

Adapters are available for combining flat and round ducting. They ensure that the transition from flat to round and back is as easy as pie.

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Attractively designed air outlets

The intake and extract air valves are attractively designed to match the flat and round ducts. The homeowner can choose between a high-quality stainless steel look or a neutral white color.

Hygienic air distribution

All components have smooth inside surfaces to prevent dust from adhering to them. This ensures that air distribution remains hygienic in the long run.

All parts from a single source

As all of the components are easily combined, there is only a small number of different parts. This is a major advantage for trade professionals as it simplifies storage. The small parts required for the installation of a component – such as seals, plugs, and others – are always included with the delivery. True to Viessmann's philosophy, the entire range is available from a single source.

Viessmann planning service

Trade professionals can also benefit from Viessmann experts' planning experience. Regardless of whether the raw construction phase is complete or not, Viessmann's team of experts provide an optional, free system planning service to trade professionals. All they need is a few basic facts, for example, about the levels of installation and the desired locations of the ducts for the ambient and exhaust air. The experts then draw up a customized planning proposal based on the building's plan.

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Advantages for market partners

- Simple planning due to the flexible combinability of all components:

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- Centralized air distribution with little pressure loss
- Decentralized distribution for short distances and space-saving installation
- Optional custom planning service available from Viessmann experts
- Installation in reinforced concrete is possible.
- Space-saving due to the low 5 cm installation height (flat ducts)
- Fast and easy installation as all required accessory parts (seals, plugs) are included in the delivery
- Low number of components ensures convenient storage.
- Complete industrial solutions from a single source

Advantages for owners

- Clean, filtered air in living spaces
- Air outlets with an attractive design, either in white or a stainless steel look
- Hygienic air distribution due to smooth surfaces; the duct system can be cleaned as needed.
- Low energy consumption due to low pressure loss in the duct system
- Low space requirement because of the components' compact dimensions

Technical specifications

- Max. flow rate:
45 m³/h (flat duct system)
26 m³/h (round duct system)
- Duct dimensions:
150 x 51 mm (flat duct)
DA 75 (round duct)

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Comprehensive range of products for all fuel sources

Viessmann offers a comprehensive range of home ventilation systems for single-family homes and large residential buildings. With the Vitovent 300 and 300-W wall-mounted units, the Vitovent 300-C and 200-C ceiling-mounted units, and the compact system combining the Vitocal heat pump and the floor-standing Vitovent 300-F, its product palette includes five different output levels and three installation options (ceiling, wall, and floor). The single-room ventilation system Vitovent 200-D rounds off the range.

In addition, the Viessmann comprehensive range of products offers individual solutions with efficient heat supply systems. The systems' outputs range from 1.0 to 120,000 kW. They include wall-mounted condensing boilers from 1.9 to 150 kW, floor-standing condensing boiler systems from 1.0 to 6,000 kW, and combined heating and power (CHP) stations from 0.75 to 530 kW_{el} and from 1.0 to 660 kW_{th}. Also part of this impressive portfolio are systems for renewables including solar thermal systems with flat-plate and vacuum tube collectors for DHW generation, auxiliary heating, and process heat generation, biomass boilers from 2.4 kW to 50,000 kW for wood logs, chips, and pellets, heat pumps from 1.7 to 2,000 kW for use with geothermal heat, groundwater or ambient air, and photovoltaic systems.

Extensive service portfolio

Furthermore, Viessmann supports their market partners with a comprehensive services portfolio. It encompasses a flexible logistics concept, the customer-oriented service concept offered by the Technical Service department, the Viessmann Academy's

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needs-oriented training program, advertising of special offers, the online platform, and the brand's sponsorship of winter sports.

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Images / captions



Image 1: Vitovent 200-C by Viessmann is a new home ventilation system with heat recovery which can be mounted on the ceiling or wall.

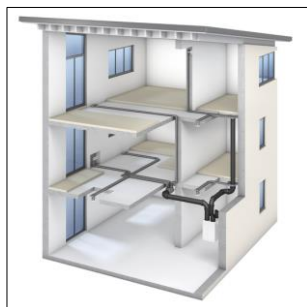


Image 2: The Viessmann new air distribution system offers a universal solution for all applications.

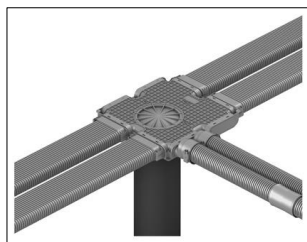


Image 3: All components of the Viessmann air distribution system are easily interlocked by hand. Adapters are available for combining flat and round ducting.

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March 2015

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