

**COMPLETE
SERIES**

Renovent Excellent series, silent and low-energy ventilation



BRINK

Climate Systems

renovent



Ready for future ventilation requirements

Effective ventilation contributes to living comfort and health. Balanced ventilation by Brink Climate Systems gives you a healthy, low-energy and comfortable indoor climate throughout the year. Users are putting ever higher demands upon good ventilation provisions in all seasons. In addition, government requirements with regard to energy efficiency and installation noise are getting stricter all the time. Brink Climate Systems responds to that with the introduction of the Renovent Excellent Series. These heat recovery ventilation appliances are not only fully geared for present-day ventilation requirements, but also for those of the future.

THE RENOVENT EXCELLENT

The Renovent Excellent series includes the Renovent Excellent 400, 300 and 180 with maximum capacities of 400, 300 and 180 m³/h respectively. They come in a left-handed and right-handed version with a range of options for connecting the ducts. In addition to the comprehensive standard version, the Renovent Excellent is also available as 'Plus version'. This version comes with additional connection options, for instance for a CO₂ sensor or geothermal heat exchanger.

COMPLETE

The Renovent Excellent comes as standard with bypass and preheater, with the exception of the Renovent Excellent 180. The bypass contributes to an improved comfort level in summer and it is controlled automatically on the basis of the measured indoor and outdoor temperatures. The supply fan of the Renovent Excellent 180 can be deactivated while the supply air can flow in through the open windows (bypass functionality). The intelligent frost protection with preheater guarantees the high efficiency, also at extremely low temperatures. This energy-efficient frost protection realises additional energy savings of some € 60 per year.

The Renovent Excellent comes with two G3 filters that can easily be changed. These filters remove 95% of the dust from the air. A high-performance fine dust filter (F7 filter) is optionally available. Ideal for people with sensitive respiratory organs.

CONSTANT FLOW CONTROL

Application of 'constant flow control' guarantees the preset air flow rates. Independent of the resistance in the ducts system or the filter fouling degree.

The 'constant flow control' system makes initial adjustment easier, and that saves installation costs. On top of that, the filter fouling degree no longer affects the flow rate of the clean outdoor air supply. 'Constant flow control' helps to reduce the energy consumption.

SILENT

Also as a result of the low-rpm fans and the low internal resistance, Brink Climate Systems managed to reduce the noise level of the



The Renovent Excellent 400, 300 and 180 complete the Renovent Excellent series.

ture requirements

Renovent Excellent series appliances.

The larger connection diameter of the air ducts also contributes to a low air flowrate through the ducts and thus to lower noiseless noise level.

LOW ENERGY CONSUMPTION

The measures for reducing the noise level also reduce the auxiliary energy consumption by some 40%. With the Renovent Excellent, Brink Climate Systems managed to introduce an appliance that amply complies with future European requirements of a maximum of 1,000 J/m³.

DEMAND FLOW

The Renovent Excellent can be controlled in the usual manner with a 4-way switch with filter indication or wireless remote control. Application of the Brink control module with timer, relative humidity sensor and/or the 2-zone demand flow system enables automatic ventilation control and saves even more energy.

ENTHALPY EXCHANGER

An enthalpy exchanger is optionally available for the Renovent Excellent 400 and 300. Such a heat exchanger transfers part of the moisture discharged from the dwelling to the supply air to the dwelling. That is possible because the exchanger features a special membrane film that keeps supply and exhaust air completely separate, but still allows the transfer of moisture between the two air flows. The result is a more comfortable indoor climate with a relative humidity that is an average 3 to 5% higher than when using the conventional heat exchanger.

The advantages:

- Complete, silent and low-energy
- Constant flow control
- High ventilation capacity of 400, 300 and 180 m³/h respectively
- Auxiliary energy consumption reduced by 40%
- Optionally available with demand flow

| TECHNICAL SPECIFICATIONS | | | |
|---|--|--|--|
| Appliance type | 400 | 300 | 180 |
| Ventilation capacity at 150 Pa [m ³ /h] | Maximum 400 | Maximum 300 | Maximum 180 |
| Rated power [W] (at 70% of the maximum appliance capacity) | 64 at 280 m ³ /h (and 50 Pa) | 40 at 210 m ³ /h (and 50 Pa) | 46 at 125 m ³ /h (and 50 Pa) |
| Dimension duct connection [mm] | Ø 180 | Ø 150 | Ø 125 |
| H x W x D [mm] | 765 x 677 x 564 | 765 x 677 x 564 | 600 x 560 x 302 |
| Weight [kg] | 38 | 38 | 25 |
| Temperature efficiency [%] | 95 | 95 | 95 |
| Constant flow control | ✓ | ✓ | ✓ |
| Standard bypass | ✓ | ✓ | ✓ (bypass functionality) |
| Standard preheater | ✓ | ✓ | - |
| Connection provisions for humidity sensor | ✓ | ✓ | ✓ |
| Connection provisions for 2-zone demand flow | ✓ | ✓ | ✓ |
| Connection for timer | ✓ | ✓ | ✓ |
| Also available as Plus version* | ✓ | ✓ | ✓ |

*The Plus versions have additional connections for a CO₂ sensor, geo-heat exchanger, bedroom diffuser and postheater.



Climate OK is an initiative by Brink Climate Systems together with partners to offer a healthy, energy-efficient and comfortable indoor climate.

Realisation of a Climate OK indoor climate starts with the use of products for heating, ventilation, cooling and hot water that meet the highest quality requirements. The final result can only be and remain Climate OK when businesses and institutions, designers and installers, and of course also end users are aware of what a Climate OK indoor climate is and what they should and should not do to achieve it. In this respect Brink Climate Systems acts as knowledge institute, intermediary and booster.



Climate Systems

Brink Climate Systems B.V. R.D. Bügelstraat 3 P.O. Box 11 NL-7950 AA Staphorst
Phone +31 522 46 99 44 Fax +31 522 46 94 00 info@brinkclimatesystems.com www.brinkclimatesystems.com

Brink Climate Systems is certified under ISO 9001 and ISO 14001.

