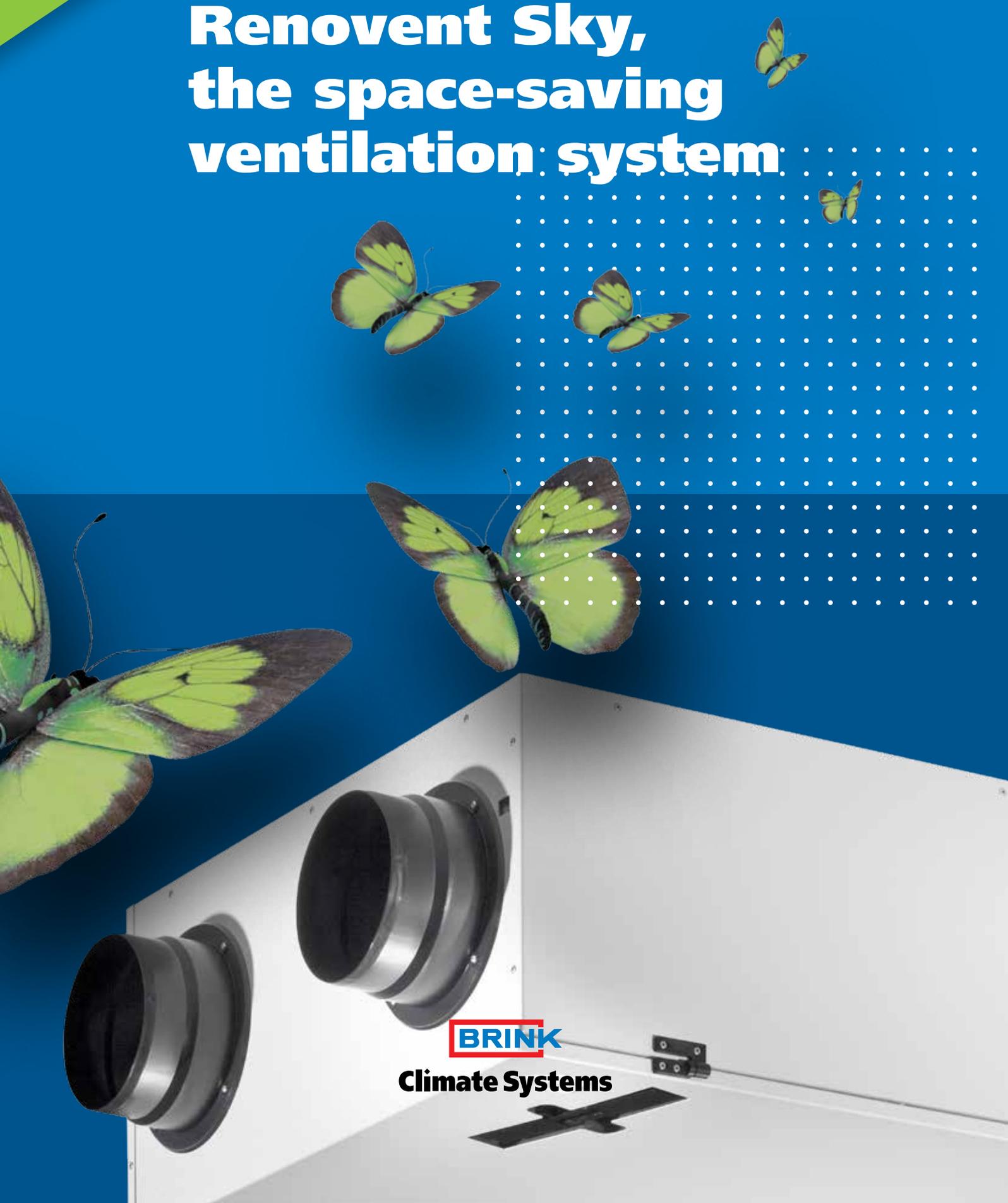


Now also  
Renovent Sky 150

# Renovent Sky, the space-saving ventilation system



**BRINK**

**Climate Systems**



# silent, low-energy comfortable ventilation

*With the Renovent Excellent series, Brink Climate Systems offers an extensive range of wall-mounted heat recovery appliances. In response to our clients' demands, Brink Climate Systems introduced ceiling-mounted, high-efficiency appliances, the Renovent Sky 300 and 150. Designed on the basis of Renovent Excellent technology, these appliances are real trendsetters in the field of low auxiliary energy consumption, low noise production and range of applications.*

## VERSIONS

The high-efficiency appliances Renovent Sky 300 and 150 are particularly suitable for ceiling mounting. The supplied brackets make both appliances also highly suitable for mounting on a wall. The Renovent Sky 300 has a maximum ventilation capacity of 300 m<sup>3</sup>/h and the Renovent Sky 150 has a maximum ventilation capacity of 150 m<sup>3</sup>/h. These appliances are unique for their low height of 310 mm for the Renovent Sky 300 and 200 mm for the Renovent Sky 150. Both appliances are also available as 'Plus' version. This version has additional connection options for instance for a CO<sub>2</sub> sensor.

## APPLICATION

The Renovent Sky 300 is an excellent choice for offices and apartments where lack of space makes it impossible to place a wall-mounted appliance. The Renovent Sky 150 is catered for the specific demand for appliances for smaller dwellings such as senior citizens apartments and student flats. For renovation applications, its height of only 200 mm makes it easy to mount the Renovent Sky 150 above a suspended ceiling in the central hall of an apartment. In combination with the specially designed module with muffler and connections for the Air Excellent air distribution system, the Renovent Sky 150 can easily provide ventilation for the entire apartment.

## CONSTANT FLOW CONTROL

Application of 'constant flow control' guarantees the preset air flowrates, 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 lower the energy consumption.

## SILENT AND LOW-ENERGY

Application of slow-running fans is another aspect that helped Brink Climate Systems to further reduce the sound level. Reduction of

the internal appliance resistance and introduction of a larger heat exchanger also contribute to the noiseless operation of the Renovent Sky. Additional advantage of the measures to reduce the noise level is that they also reduce the auxiliary energy consumption. With the Renovent Sky, Brink Climate Systems succeeded in introducing an appliance that amply complies with the future European requirements of a maximum of 1,000 J/m<sup>3</sup>.



# Energy and ventilation



### Brink control module

The Brink control module with time switch function is a standard feature.

### CONTROL OPTIONS

The Renovent Sky comes as standard with a control module that can be used to adjust the basic settings. The built-in timer function can be used to set the ventilation intensity per day/week/weekend. Additionally, one or more 4-way switches, wireless RF controls or a humidity sensor may be installed.

### FROST PROTECTION

An intelligent frost protection system based on temperature and pressure prevents the heat exchanger from freezing when it is very

cold outside. The Renovent Sky 150 combines this frost protection system with a built-in preheater. An external preheater is available for the Renovent Sky 300. That guarantees the high-efficiency also in winter.

### STANDARD BYPASS

The appliances come as standard with a 100% bypass for use when it is warm outside and heat recovery is not desired. The bypass is controlled fully automatically on the basis of the measured indoor and outdoor temperatures.

### ENTHALPY EXCHANGER

An enthalpy exchanger is optionally available for the Renovent Sky 300. Such a heat exchanger transfers part of the moisture discharged from the dwelling to the air that is supplied 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

### The advantages

- Constant flow control
- Silent
- Reduced auxiliary energy consumption
- Standard 100% bypass
- Intelligent frost protection
- Communication through the E bus system

flows. The result is a more comfortable indoor climate with a relative humidity that is an average 3 to 5% higher than when using a conventional heat exchanger.

### CENTRAL HEATING COUPLER

A central heating coupler is available for the Renovent Sky. The exhausted foul ventilation air and the exhaust flue gases from the central heating boiler can be combined with this central heating coupler. That also saves space in the central shafts. The central heating coupler has been approved by Kiwa in combination with a central heating boiler equipped with a special Intergas burner controller.

## TECHNICAL SPECIFICATIONS

APPLIANCE TYPE	300	150
Ventilation capacity at 150 Pa [m <sup>3</sup> /h]	Maximum 300	Maximum 150
System sound emission housing [dB(A)]	< 46 at 225 m <sup>3</sup> /h and 100 Pa	*
Rated power [W] (at 70% of the maximum appliance capacity)	51 at 210 m <sup>3</sup> /h and 50 Pa	*
Dimensions duct connection [mm]	4 x Ø 150/160	4 x Ø 125
L x W x H [mm]	1185 x 644 x 310	1000 x 660 x 200
Air filtering	2 x G4-filter (option: supply filter F7)	2 x G4 filter (option: supply filter F7)
Constant flow control	✓	✓
Standard bypass	✓	✓
Built-in preheater	-	✓
Connection provisions for external preheater	✓	-
Connection provisions for humidity sensor	✓	✓
Also available as Plus version**	✓	✓

\* Not yet known at the moment of publishing.

\*\* The Plus versions have additional connections for a CO<sub>2</sub> sensor, geo-heat exchanger, bedroom diffuser and postheater.



Climate Systems



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

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