



Fresh-r

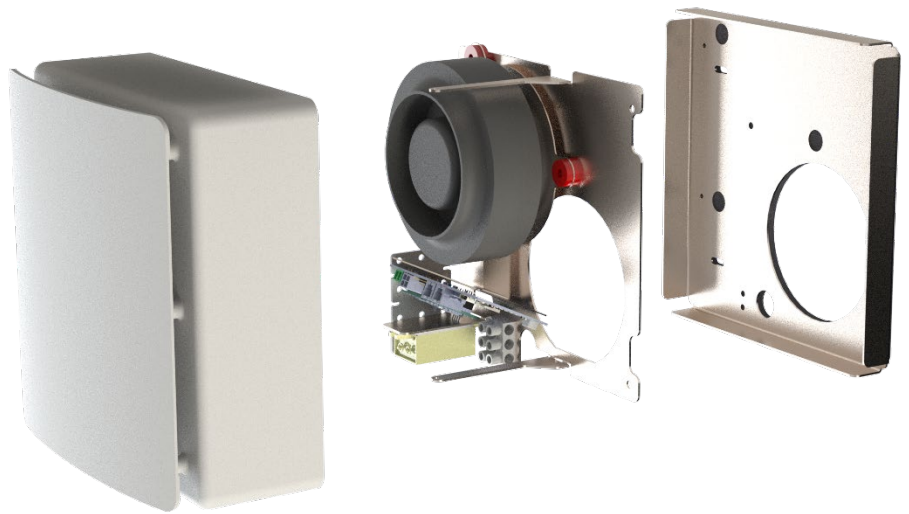
Smart indoor
air care

Fresh-r Extract Fan

Specifications and Data

The Fresh-r Extract Fan keeps the bathroom, toilet, or kitchen dry and fresh by automatically increasing the ventilation volume in response to increased humidity or CO2 levels.

Can be perfectly combined with the Fresh-r Compac HRV in other parts of the house.



Key features



Air quality is monitored by sensors that measure humidity, CO2, and temperature.



As soon as (relative) humidity or CO2 levels increase, the fan ventilates the space.



The fan is controlled based on the dew point, ensuring the space becomes dry regardless of ambient temperature conditions.



CO2-based control ensures that stale air from adjacent bedrooms is also extracted to the outside.



The powerful, energy-efficient EC centrifugal fan is capable of handling high air volumes, even under increased duct resistance caused by longer exhaust ducts.



The device transmits collected data for online performance monitoring and insight.



World champion
in ventilation

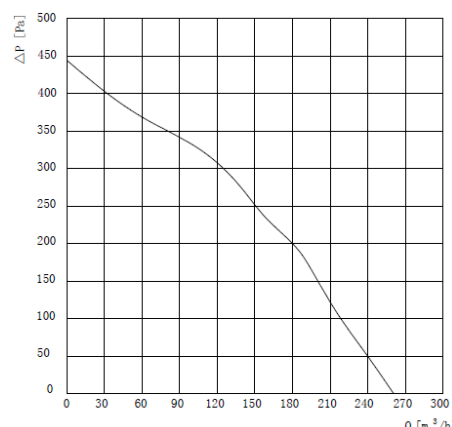
Technical Data

Control	Fully automatic: RH/CO ₂ /dew point temperature
Remote control	Optional
Suitable spaces	Bathroom, toilet, kitchen
Bathroom installation	Bathroom zones 2 and 3 (IEC 60364-7-701)
Dimensions (L x W x H)	228 x 228 x 106 mm
Duct diameter	110-150 mm
Exhaust duct length	Variable
Power supply	230V
Power consumption	2 - 19 W
ErP rating	Class C
Heat exchanger	Nee
Balanced ventilation	Nee

Airflow rate and power consumption

25 m ³ / h (7,0 l/s)	2 W
55 m ³ / h (15,3 l/s)	4 W
85 m ³ / h (23,6 l/s)	6 W
115 m ³ / h (32,0 l/s)	11 W
145 m ³ / h (40,3 l/s)	19 W

Pressure / Airflow curve



Automatic airflow control

The Fresh-r Extract Fan measures the relative humidity (RH), CO₂ and temperature in the space where it is installed and calculates the dew point temperature. An additional CO₂ sensor can also be placed in other rooms, such as the living room or bedroom. The fan generates the airflow rate required to maintain proper moisture levels and air quality in that room, thereby preventing long-term condensation and mold growth.

RH, CO₂ and temperature sensors with smart controls are always included in the Fresh-r Extract Fan. The device transmits collected data for online performance insights via a secure portal.



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www.fresh-r.com

Fresh-r is a brand name
of Vaventis BV



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