

Demand control ventilation

Ventilating needed

Efficient and silent ventilation

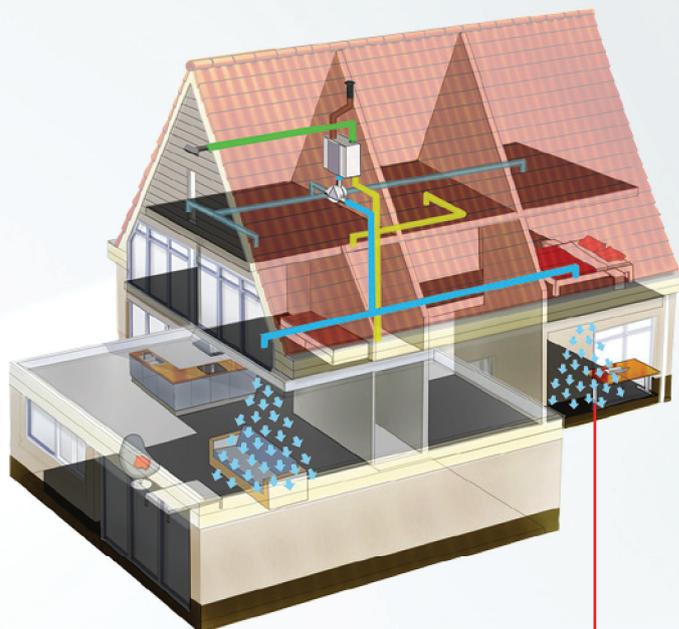
Demand flow ventilation makes it possible to gear the ventilation need to the current air quality in the habitable rooms. In each room, an indoor air quality sensor measures the CO₂ concentration in the space. If the air quality is satisfactory in every room or zone, basic ventilation suffices. If the air quality in the living room deteriorates, for instance because there are many people in the living room, the ventilation rate is automatically increased.

A humidity sensor (RH) detects a quick increase of the relative humidity due to cooking/showering. Then the ventilation system is switched to the highest setting. When the humidity drops again, the appliance automatically switches back after 20 minutes.

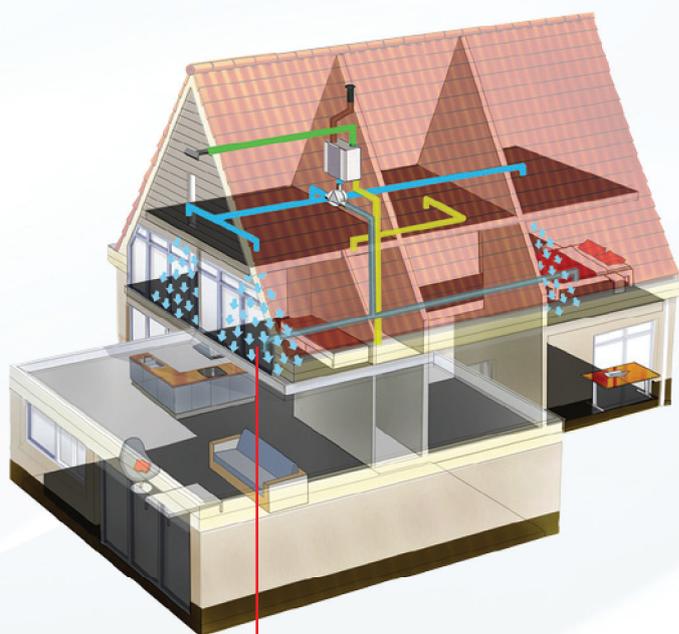
Demand ventilation 2.0

Demand flow ventilation 2.0 by Brink is even more advanced. It distributes the supply air to the dwelling between the living zone and the sleeping zone. A specially developed 3-way valve sends the air to the bedrooms or the living room or both on the basis of the air quality measured in the zones or in the individual rooms. If the preset basic ventilation mode is not sufficient for the desired air quality, the ventilation air quantity is gradually increased. Since the ventilation air is only sent to the zone where it is demanded, the total ventilation flowrate is lower and that means additional energy savings. As a result, the ventilation appliance has to displace less air and the installation sound decreases by approximately 6-8 dB(A). That is important with a view to the requirements of the Building Decree. A maximum of eight CO₂sensors can be connected to the system, which makes it possible to measure in multiple rooms.

In addition to demand ventilation on the basis of air quality, it can also be based on timer control (Air Control).



Demand ventilation 2.0:
Increased living room ventilation during the day



Demand ventilation 2.0:
Increased bedroom ventilation during the night

The advantages at a glance

Guaranteed air quality with CO₂ control

Appliance sound reduction 6-8 dB(A)

Reduced air quantities saves up to 60% energy

Can be combined with the Flair, Renovent Excellent and Renovent Sky

For enhanced comfort, energy
and noise reduction

BRINK
Air for Life