



# Better ventilation with heat recovery

The ventilation support for public spaces

**WE VENTILATE IN  
THE OFFICE NOW.**



# Healthy indoor air with a comfortable temperature



## Aerosol control

In an office where several people are present, aerosols contaminated with viruses can spread quickly and increase the risk of infection. A regular exchange of air is essential, but it also cools down the interior quickly. The decentralized ventilation enables basic ventilation and ensures a comfortable climate in the office.



## Quick installation

Easy to retrofit: inVENTer ventilation systems are inserted in pairs into the outer wall using a core drill. The ventilation intensity can be set intuitively when connected to the controller.



## Heat recovery

Fresh air doesn't have to be cool. Because in the heart of our fans there is a ceramic core which first stores the heat from the indoor air and in a second step releases it back to the incoming outside air. Healthy air with a comfortable temperature.

## Your ventilation support



### iV-Office – strong and quiet

Maximum performance with minimum noise - that's ventilation with the iV-Office. The Xenion® EFP fan with increased speed ensures healthy air exchange – with up to 52 dB sound insulation thanks to the patented sound insulation concept with Inventin®.

### Technical data

|                                |         |
|--------------------------------|---------|
| EXHAUST AIR VOLUME FLOW [m³/h] | 20 – 90 |
| AIR VOLUME FLOW HR [m³/h]      | 10 – 45 |
| HEAT RECOVERY HR [%]           | 88      |
| POWER CONSUMPTION [W]          | 1 – 5   |
| SOUND EMISSION [dB(A)]         | 14 – 41 |
| ENERGY EFFICIENCY CLASS        | A+ / A  |



### sMove controller

The sMove controller controls up to 4 connected systems. The ventilation intensity is set intuitively with Touch & Slide - in the heat recovery or ventilation modes. A pause function is also available.



Optional sensors:  
e. g. CO<sub>2</sub> sensor CS1

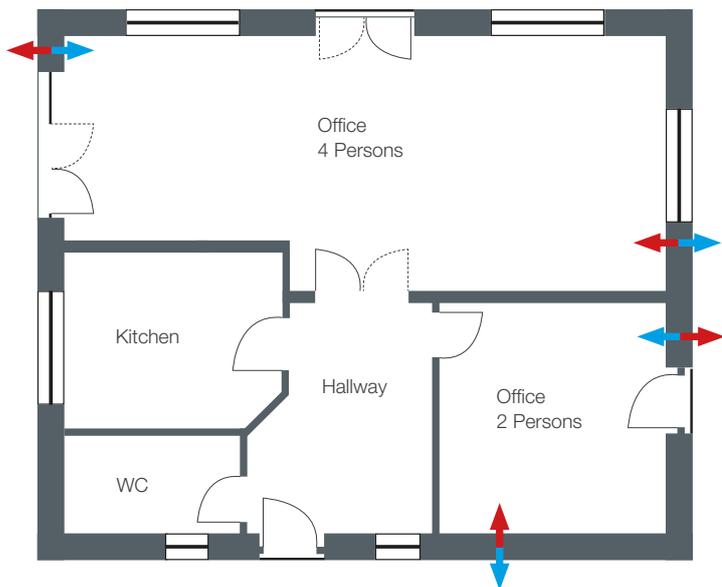
# Ventilation in the office



In the office, where there is concentrated work and lively discussions, the CO<sub>2</sub> concentration rises quickly. This can lead to concentration problems and headaches, but also increases the risk of infection with infectious diseases. According to the workplace directive, the **concentration of CO<sub>2</sub> should not exceed 1,000 ppm** - this can be achieved through constant air exchange.



Office rooms must be designed in such a way that: "There is sufficient health-beneficial breathing air available" (ASR A3.6, p. 3). In order to minimize the necessary boost ventilation cycles and thus prevent the office space from cooling down, we recommend **ventilation support** by mechanical ventilation with heat recovery.



## Planning examples

### Requirement:

30 m<sup>3</sup>/h per person

### Standard:

Workplace directive ASR A3.6 and A3.7

### Planning office 2 people:

2 x iV-Office = 30 m<sup>3</sup>/h per device and person

✓ Compliance with the workplace directive

### Planning office 4 people:

2 x iV-Office = 30 m<sup>3</sup>/h per device

= 15 m<sup>3</sup>/h per person

+ temporary increase to 90 m<sup>3</sup>/h possible

+ additional window ventilation

## Our service



Do you have a specific project in new construction or renovation and would like a planning proposal?

← You can find your inVENTer representative here!

Or send your request to [planung@inventer.de](mailto:planung@inventer.de)

- ✓ Continuous basic ventilation within the requirements for noise emissions (40 dB (A)) is achieved
- ✓ Infection prevention through the removal of aerosols
- ✓ Low virus concentration due to high proportion of fresh air
- ✓ Reduction of the window opening cycles

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