inVENTer

Better ventilation with heat recovery

The ventilation support for public spaces

www.inventer.eu/healthy-ambient-air

Healthy indoor air with a comfortable temperature

Aerosol control

A kindergarten is loud and happy! In the interior, aerosols contaminated with viruses can quickly collect in the air. Decentralized ventilation as ventilation support lowers the aerosol concentration in the room by removing aerosol-contaminated indoor air, while at the same time allowing preheated fresh air to flow in from the outside and thus steadily diluting the aerosol load.

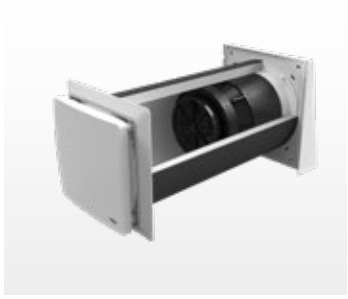
Quick installation

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)]	12 – 37
ENERGY EFFICIENCY CLASS	A+ / A

sMove controller

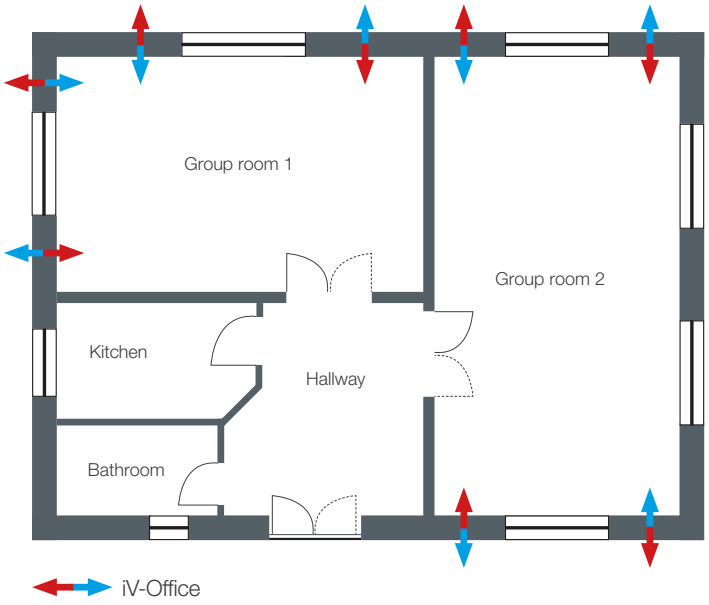
The sMove controller controls up to 4 connected systems. The ventilation intensity is set intuitively with Touch & Slide - in the heat recovery or ventilation modes. A pause function is also available.

Optional sensors:
e. g. CO_2 sensor CS1

Ventilation at the kindergarten

For kindergartens, ventilation is the most important measure to protect against infection with infectious diseases. In addition to avoiding infection, the **CO_2 concentration** in day-care centers is also decisive. The German Federal Environment Agency recommends maintaining an average CO_2 concentration of **1000 ppm** for day-care centers.

Depending on the agreed classification, **outside air volume flows between 20 and 36 m³/h per person** are recommended. The combination of mechanical ventilation with heat recovery and window ventilation is an effective solution for exchanging the air according to the recommendations of the German Federal Environment Agency without the rooms cooling down too much.



Planning example

Requirement:
Between 20 and 36 m³/h per person
Possible norms:
DIN EN 15251: 2012
DIN EN 16798-3

Planning:
4 x iV-Office, 30 m³/h per device
= Outside air volume flow 120 m³/h
+ possible temporary increase to 180 m³/h
+ 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

- ✓ Basic ventilation 10 m³ / h per person (12 people / group)
- ✓ 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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