

inVENTer® - Heat-Recovery Ventilators



DISTRIBUTED BY



ENERGY

Breathe Great Air...

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inside your home

Always fresh and filtered air with inVENTer® ventilation

inVENTer®

www.inventer.eu

Why is Ventilation important?

The Problem:

Today's modern housing has rightly concentrated on preventing the various sources of heat loss from the home by introducing better insulation, double glazing and draught-proofing. Coziness, however, has brought other problems to our homes. Reduced ventilation means the internal airflow is negligible, which causes a build-up of water vapour and stale air.

This can lead to black mould growth which not only damages internal decoration and attacks the fabric of the building itself, but is also harmful to humans. Mould and house dust mites are contributory causes of asthma and allergies.

In poorly ventilated houses, indoor air is contaminated not only by unpleasant odours from pets, cooking or tobacco smoke, but also by dangerous gases such as formaldehyde and radon.



prevent mould growth



prevent allergies



dust and noise stay outside



save energy costs

Open the Window?

Opening the windows every 2 hours for 5 minutes might solve these problems - but it is hardly practical.

Natural air infiltration can result in excessive ventilation rates that increase energy consumption for space heating and cause discomfort to occupants because of cold draughts. In addition, pollen, noise and dust enter the house along with fresh air.

The Answer:

Controlled Ventilation by **inVENTer®**

Benefits:

For Occupants:

- all you breathe and smell is fresh air
- draught-free
- dust, pollen, insects and noise stay outside
- removes virtually all airborne particles, including asthma- and allergy triggers
- filters out odours and dangerous chemicals

For the Building:

- prevents mould and moisture damages
- increases the value of the building

For Nature:

- saves energy
- reduces carbon emissions

Our products

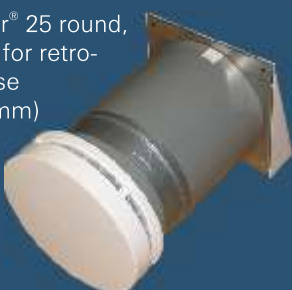
inVENTer® 14 round, suitable for retro-fitting use



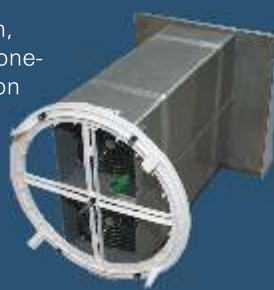
inVENTer® 14 square, ideal in new buildings



inVENTer® 25 round, suitable for retro-fitting use (Ø 260 mm)



inVENTer®-twin, especially for one-room-ventilation



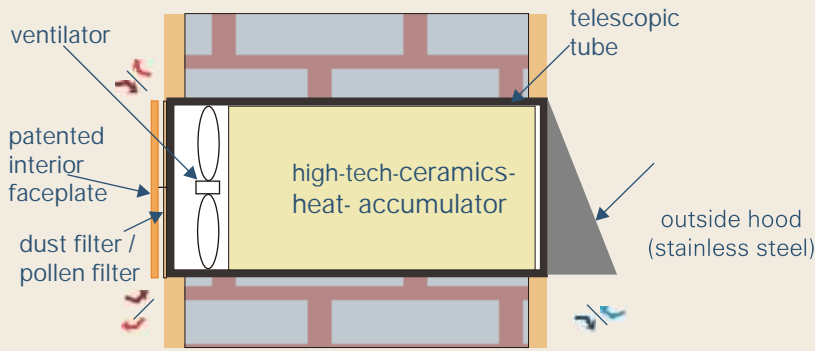
Controller



ZR 10 for controlling up to 4 inVENTer® 14 or 2 inVENTer®-twin / 2 inVENTer® 25

- simple to operate
- 3 ventilation-speed-modes
- all modes without ERV available

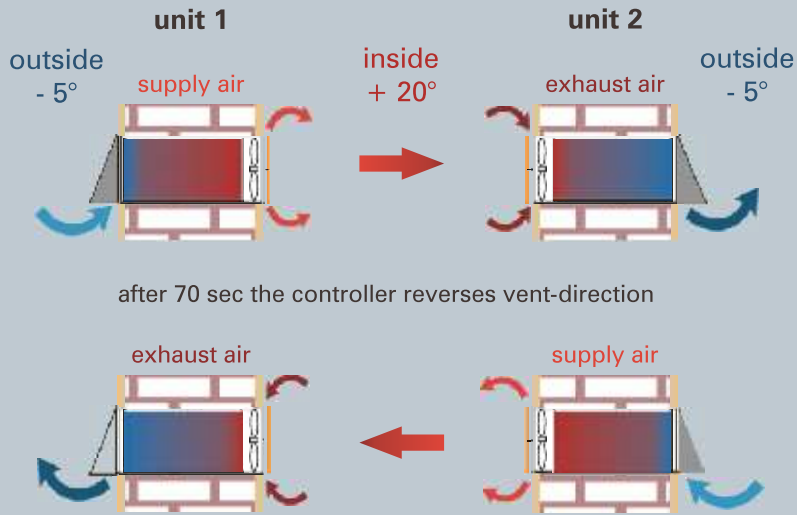
Wall Mounting



Product Specifications

	inVENTer® 14 square/round	inVENTer® 25 rund	inVENTer® -twin
heat recovery	up to 0,91 %	up to 0,92 %	up to 0,88 %
airflow	13 - 29 m³/h	20 - 39 m³/h	13 - 40 m³/h
wall opening	8,3" x 8,3" / Ø 9" 21x21 / Ø23 cm	Ø 10,2" Ø 26 cm	5,9" x 10,6" 15 x 27 cm
wall thickness	9,8" - 18,1" 25 - 46 cm	10,6" - 18,1" 27 - 46 cm	11,8" - 18,1" 30 - 46 cm
power consumption	2 - 3 W	3 - 6 W	2 - 6 W
sound level	> 19 dB(A)	> 28 dB (A)	> 19 dB(A)
particularities	use in pairs	use in pairs	for 1-room ventilation
building inspection approval	Z-51.3-156		approval pending

Functionality of 2 inVENTer units



exhaust air

... stale, humid air passes through the heat accumulator ...
 ... humidifies and warms it up
 ... then reversing vent-direction

supply air

... fresh but cold air becomes warmed and humidified by passing through the accumulator
 ... the cold air is warmed up to nearly room temperature.
 ... after 70 sec the accumulator is cooled down and the controller reverses vent-direction again

inVENTer® - Ventilation



Single Room Heat Recovery

One inVENTer®- unit is mounted in every room, requiring ventilation (2 units in larger rooms).
 The airflow is shown in the plan on the right: fresh, filtered and prewarmed air comes in at both inVENTer®- units in the living room, while stale moisture-laden air is extracted by inVENTer®- units in the kitchen and the bathroom. After 70 seconds the controller reverses the rotation direction of all ventilators (see the figure above: energy recovery system).

InVENTer®-ventilation units consistently exchange stale air for fresh air year round in all rooms. In the wintertime heat is recovered, while in the summertime heat stays outside. At night, rooms can be cooled by switching the device to the "on" mode without Heat Recovery.

inVENTer® - Proven in thousands of installations

e.g. in dwellings, offices, schools and kindergardens, hospitals and nursing homes



Why inVENTer®?

Excellent Quality:

- quiet as a whisper
- up to 92% heat recovery
- humidifies incoming air a little bit for more living comfort
- frost-resistant operation
- minimal running costs (power consumption of 2-3 watts per unit)
- made in Germany - has the General Building Inspection Approval
- complies with building regulations
- 10-year warranty on ceramics-heat- accumulator

Exceptionally User-Friendly:

- easy and economical to install and maintain
- mounted inside of outer walls
- no pipes / aerating tubes
- electrical safety (low voltage DC)
- easy to clean: filter and ceramics-heat-accumulator are washable
- service and maintain from inside the building

Satisfied Customers

"My daughter Anna, who is only three, developed asthma as a baby. Since we installed inVENTer-ventilation Anna hasn't had any problems. Actually, all of us are sleeping better..."

"On my first contact with your company I knew that I was dealing with a company that actually cared about its products and the people who were going to use them. Now that it has been 5 months, I want to tell you that I could not be happier..."

"We were away for 4 weeks and the house was so fresh when we returned..."

"We had to write and tell you how delighted we are with inVENTer-ventilation. Since moving into our bungalow we have been plagued with condensation problems, walls, furniture and clothing suffering from mildew. The black mould and musty smell disappeared almost immediately after the installation of your system..."

We will be pleased to advise you by phone, fax or email - your local representative:

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