

BRINK
Climate Systems

Ventilation Innovation

The Netherlands/Brink Climate Systems B.V.


Jelmer de Jong
Brink Climate Systems
AIVC International Workshop
18-03-2013



BRINK
Climate Systems

Why innovation?


- ▶ **35%** of dwellings is not in possession of indoor air quality related documents or calculations.
- ▶ **45%** of dwellings do not fulfill the required air flow rate.
- ▶ **90%** of installations in dwellings do not achieve an acceptable sound level of 30 dB.



BRINK
Climate Systems

Why innovation?

- ▶ The supply of fresh air is based on the systems sound level in stead of the actual need of fresh air (indoor air quality).
- ▶ Most of the ventilation systems are not installed correctly.



BRINK
Climate Systems


Product innovations



- ▶ **TKI: (Topconsortium for Knowledge and Innovation)**
 - Collaboration between industry, universities and knowledge institutes.
 - Funded by the Ministry of Internal Affairs with approx. € 6.000.000,- for ventilation.
 - The main goal is to stimulate the industry to innovate products to reduce the CO₂ emission.

BRINK
Climate Systems

Product innovations



► **TKI: (Topconsortium for Knowledge and Innovation)**

- **Vent-E-Right:**
 - Developing ventilation units with less sound production.
 - Developing long life filters.
 - Developing new low energy ventilation solutions for existing dwellings.
- **Monicair:**
 - One year monitoring of different ventilation systems in dwellings.
 - Saving and analyzing of indoor air quality and energy consumption data.
 - For improving and developing new demand controlled ventilation systems.

BRINK
Climate Systems

Product innovations

► **Brink Climate Systems BV.**



◦ **Renovent Excellent and Sky Heat Recovery Ventilation Units:**

- Constant Flow with backwards curved fans.
- Intelligent frost protection.
- Demand Controlled Ventilation with CO₂- and/or RH-sensors.
- Enthalpy heat exchanger.


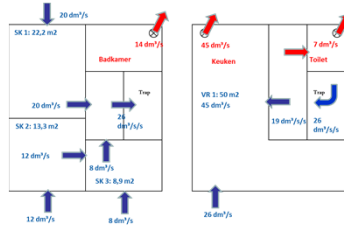


BRINK
Climate Systems

Installing innovations

► **VPK: (Ventilation Performance Label)**

- Inspection by certified companies:
 - Does the installation fulfill the requirements?
 - Is it designed according to the design calculations?
 - Does it achieve the specified performances?
- Instructing the residents.
- To promote the VPK, Brink Climate Systems offers the first 500 requests free of charge.

BRINK
Climate Systems

Training innovations

► For designers and installers.

- VLA – Uneto VNI in collaboration with the ventilation industry.
 - Training days for installing ventilation systems, starting April 2013.
- Brink Climate Systems B.V.
 - National and international product, installer and designer training days.

