Ventilation Innovation
The Netherlands/Brink Climate Systems B.V.

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- 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.
The supply of fresh air is based on the systems sound level instead of the actual need of fresh air (indoor air quality).

Most of the ventilation systems are not installed correctly.

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.
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 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.
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.

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.
Questions