

# Monicair learning points

Mechanical supply & extract , necessary for guaranteed **IAQ**  
=>*Heat Recovery Ventilation*

Consumer has no good **IAQ** parameter  
=>*Demand control ventilation*

# Demand Controlled Ventilation

- Time controlled
- RH controlled
- CO<sub>2</sub> controlled
- Combination of CO<sub>2</sub> and RH
- **NEW** 2 Zone ventilation based on time or CO<sub>2</sub> control  
(Eco Design Label **A+**)



# Demand Controlled Ventilation

2 Zones ventilation (Living / sleeping)

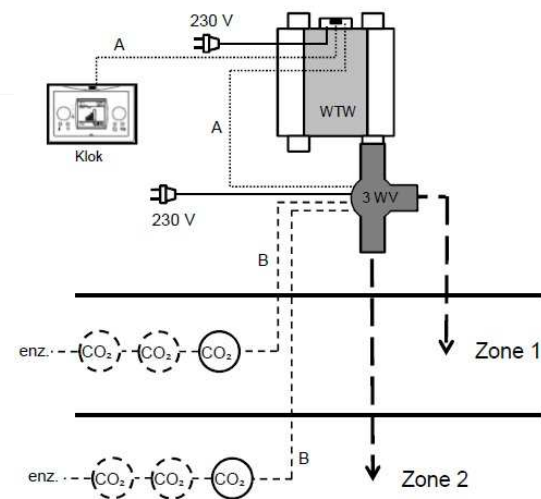
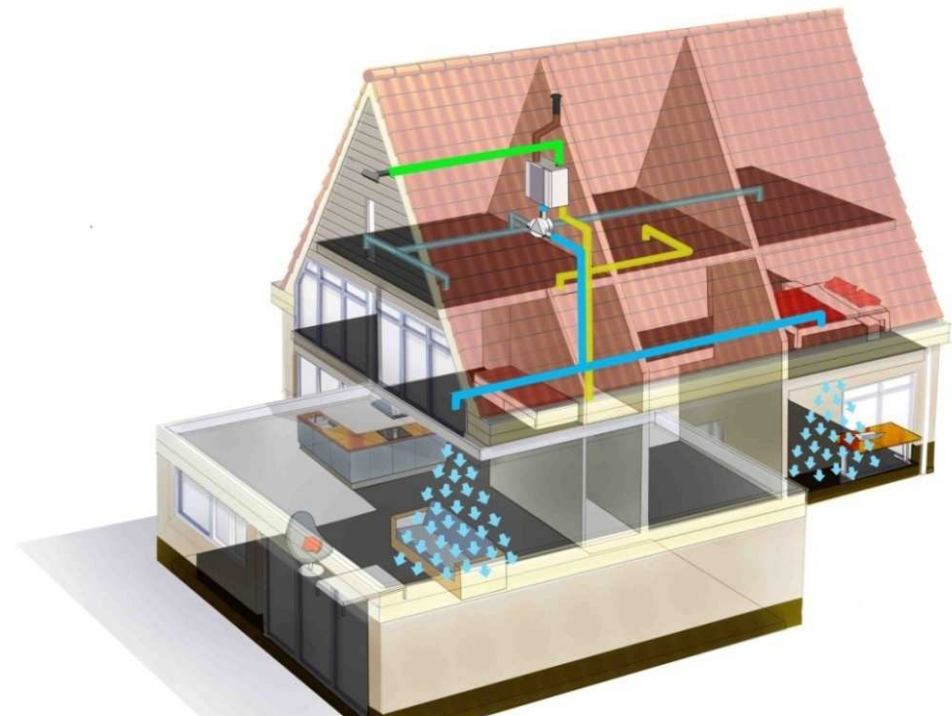
- Time
- CO<sub>2</sub>

*Airflow follows occupation of rooms*  
*Directed Airflow , where needed*

No over - / under ventilation

Guaranteed :

- *Less energy cost*
- *Lower sound level*
- *Optimized IAQ*



# Bottlenecks

1. Current Building regulations in various countries
2. Mandatory requirements for airflow rates in all rooms at same time
3. Demand Controlled Ventilation (DCV) not accepted in energy calculation of buildings
4. Eco Design Label , has accepted DCV , with an higher performance

Thank you for your attention