

CMVR<sup>®</sup>

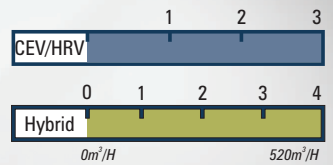
system  
patented by ABK InnoVent

4.

Exhaust via CEV/HRV  
of max. concentrated  
cooking vapours

Recirculation of  
filtered air

Powerfull extraction of  
saturated cooking vapours



Connection to CEV  
or HRV system

Integrated volume valve

CMVR<sup>®</sup> box

Washable charcoalfilter

Metal grease filters

Many modern houses and apartments use the advantages of a Central Extraction Ventilation system [CEV], or a Heat Recovery Ventilation system [HRV]. A HRV system uses the warmth of the extracted polluted air to heat a balanced fresh air supply to save energy. These systems are also called balanced ventilation systems. On these systems it is not allowed to fit a "regular" extractor because the high capacity would disturb and even blow up the system. Especially for these situations ABK InnoVent invented and patented the unique CMVR<sup>®</sup> system. This "green" CMVR<sup>®</sup> system fits in perfectly in the current and future building and energy saving regulations.

**Disadvantages current solutions**

- Poor extraction when cooking (motorless extractors)
- Unhealthy indoor climate: moisture, gasses and heat stay within the room (100% recirculation)
- Loss of energy (regular extractor with duct directly outside)

**Advantages of the CMVR<sup>®</sup> system**

- Powerfull extraction of 520 or 755m<sup>3</sup>/H
- Healthy indoor climate
- Energy saving
- Available on all ABK InnoVent and PROSOLO extractors!

**Explanation of the Hybrid extractor with CMVR<sup>®</sup> system**

- The air is being extracted by a powerfull motor and is first being filtered by the metal greasefilters.
- After this, the air is being filtered by the special charcoalfilters, which remove the "smelly parts". The washable active charcoal filters can be washed up to 20 times in the dishwasher.
- The fully filtered air is being blown into the CMVR air box and is splitted into 2 ways.
- In this box, a valve regulates a maximum of air volume being exhausted by the CEV/HRV. The part of the volume which cannot be exhausted by the CEV/HRV will be blown back into the kitchen, fully filtered.