

## Contact

For more information, please contact us at the Passive House Institute.

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We look forward to your submissions and wish you the best of luck!

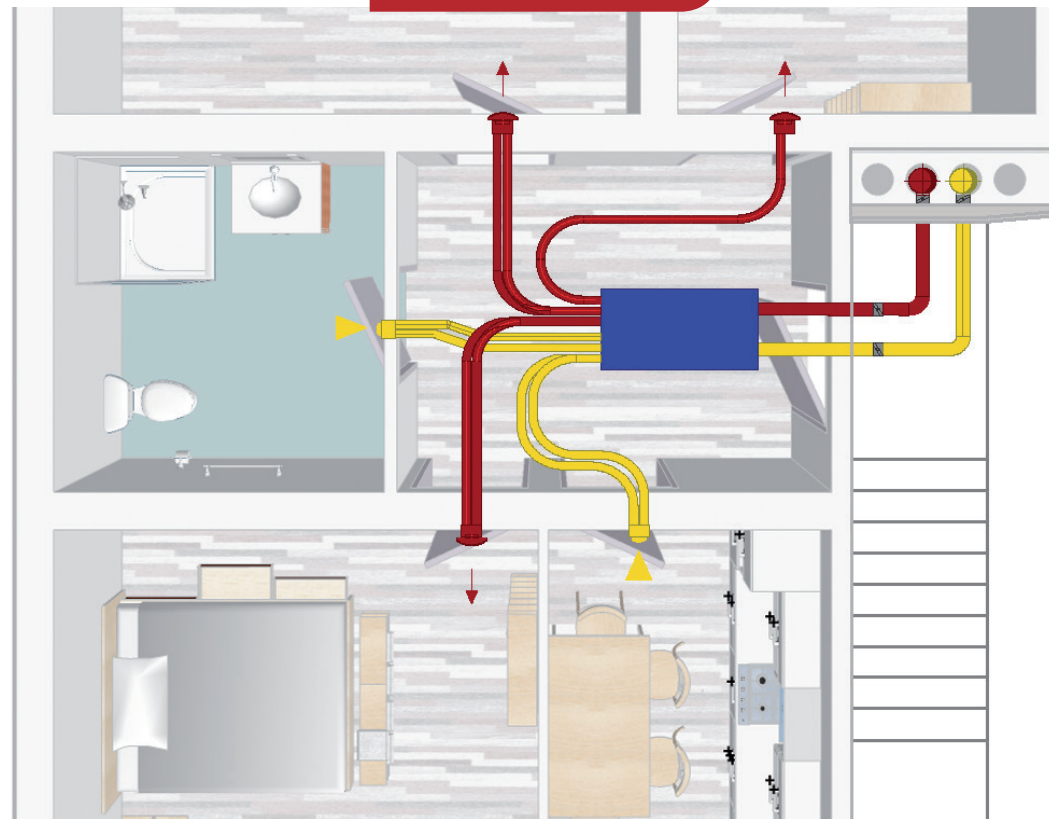
[www.passiv.de/ca-ventilation/de](http://www.passiv.de/ca-ventilation/de)



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## Competition Ventilation for residential buildings



COMPONENT  
AWARD  
2018

Passive House Institute

In 2018 for the second time running the Component Award will be awarded for ventilation solutions for residential buildings.

The housing sector is once again experiencing steady growth after years of stagnation. The current Component Award will therefore concentrate on cost-effective ventilation solutions for new residential constructions. A multi-storey building consisting of differently sized apartments with living areas between 50 and 100 m<sup>2</sup> must be equipped with an overall ventilation system.

We are looking for solutions with both low investment costs and a high level of energy efficiency.

**The winners will be selected by an independent jury and the prizes will be awarded at the 22nd International Passive House Conference in Munich.**

**Entry deadline is 30 November 2017**

## Requirements / Details

- Design values: depending on living area between 60 and 120 m<sup>3</sup>/h.
- In addition to the requirements for Passive House ventilation, the respective acoustic requirements during continuous operation must be considered (25 dB(A) in living areas, 30 dB(A) in functional areas). If these requirements are not met with the standard device settings, additional measures have to be considered accordingly (such as silencers, additional casing, etc.).
- Assuming an inner-city position of the building, the devices should provide a summer ventilation strategy.
- Frost protection: for devices not equipped with a suitable frost protection strategy, suitable additional measures are required accordingly.
- The documentation should also describe the solution for condensate drainage (if required).

- Participation is possible with all ventilation devices that have been certified by the Passive House Institute.
- The focus of the award lies primarily on components available for purchase. Innovative solutions are however also requested, provided that the unit complies with the legal standards and the costs are calculable.
- In order to develop successful overall concepts, participation from interdisciplinary teams of manufacturers, architects and ventilation designers are requested. In order to comply with the respective requirements for fire protection, it is highly recommended to involve experts, especially for centralized ventilation solutions.
- The Component Award will be awarded for the climatic zones with a cool, temperate climate (reference location: Frankfurt, Germany).
- **Entry deadline is 30 November 2017.** All relevant energy values must be available in a verified form by this time. Certifications in process may also be considered, if independently verified energy data is already available.
- Documents to be submitted: Participants must deliver design plans with clear documentation of ducting, position of ventilation device and all relevant components. Clear documentation of technical data for all components (such as silencer, frost protection, ducts, outlets, overflow, etc) is also required. Energy values for the device are given with the certificate. Proof of compliance with respective sound levels is also required.
- In order to account for differing price levels in different countries, all quotations will be calibrated for Germany using the consumer price index.
- PHI will retain non-exclusive publication rights for all submitted documents.

