

# recoVAIR: Airs the house without letting the heat out



## Central ventilation unit with recoVAIR heat recovery and ventilation duct system (oval, round)

The quote includes a convenient and cost-effective central ventilation system from brand-name manufacturer Vaillant, comprising a wall-mounted ventilation unit with heat recovery and a customised ventilation duct system, tailored to the building in question.

As a result of building envelopes becoming ever thicker, which prevents the natural circulation of air, new-builds and renovated buildings require a ventilation concept in accordance with DIN 1946-6. The best way to achieve this is with controlled ventilation of the living space. The recoVAIR domestic ventilation system helps to fulfil the more stringent requirements of the German Energy Saving Ordinance (EnEV) and of the KfW.

Thanks to its efficient heat recovery, the recoVAIR domestic ventilation system can reduce the heat load by up to 30 per cent. This makes it possible to use a smaller heating unit, which noticeably lowers heating costs. The recoVAIR also protects the building structure, which simultaneously increases the value of the property.

The recoVAIR domestic ventilation system offers exceptional comfort. The Agua-Care system provides the perfect interior climate. With the enthalpy heat exchanger included as an accessory, the Agua-Care plus system not only recovers heat, but also moisture, where required, maintaining the air humidity levels at the highest possible level, even when the heating is on full in the winter. Ultra-fine F7 or F9 filters ensure a healthy indoor climate, keeping dust and pollen out. The household budget is also looked after - the needs-oriented operation of the ventilation system lowers energy consumption. The modulating bypass integrated as standard in all recoVAIR ventilation units can reduce heat recovery in summer or switch it off altogether.

As an alternative to our intuitive multiMATIC 700 controller, a four-stage controller with filter change display can also be integrated into the system. Upon request, an electrical preheater can also be added to all units.

With our much improved ventilation duct accessories, the recoVAIR domestic ventilation system can be installed anywhere with ease. Numerous new components ensure a high degree of flexibility, even with limited space available and simplify both planning and installation. We provide the domestic ventilation unit and customised duct system from a single source, ensuring that all components work together perfectly within their individual systems.

#### **The system components:**

- Central recoVAIR VAR 260/4 and 360/4 ventilation unit
- Connection accessories
- Ventilation duct system available in oval or round duct styles

#### **Technical information:**

##### **recoVAIR**

- Output class: 260/360 m<sup>3</sup> airflow per hour
- With integrated modulating bypass as standard
- Enthalpy heat exchanger either included with the unit or available as an accessory
- Integrated moisture sensor
- F7 standard fine filter (available as an option up to F9)
- Intelligent filter management via pressure monitoring
- Electric preheater can be integrated
- High-efficiency EC fan motors with Flow-Grid airflow mesh
- CO<sub>2</sub> sensors can be connected
- Passive house certification
- 150 mm and 180 mm pipes can be connected
- Illuminated, intuitive device control panel
- Dimensions and weight: (H × W × D): 885 × 595 × 631 mm, up to 43 kg
- Energy efficiency rating: A/A+ with additional CO<sub>2</sub> sensor

##### **Duct system**

- Time-saving connection concept with click-lock system
- All duct components are optimised for flow and sound
- Fewer pressure drops for maximum efficiency
- Premium materials and dust covers for perfect hygiene
- Round duct system 75/62 mm
- Oval duct system 52 × 132 mm
- Low-rise and multi-distribution units
- Flexible and rigid sound absorbers
- Outdoor and exhaust air routing via roof/wall
- Designer air outlets, round and rectangular
- EPP pipe systems for outdoor and exhaust air, as well as supply and extracted air in thin-walled and thick-walled design

#### **The advantages at a glance:**

- Ventilation unit and ventilation duct system from a single source
- multiMATIC 700 controller for the intelligent management of the entire heating, ventilation and hot water system
- Perfectly coordinated thanks to excellent support from Vaillant during the planning stage
- Energy savings thanks to up to 98 per cent heat recovery and up to 30 per cent reduction in heat load
- Increases property value and protects the building structure from moisture damage
- Attractive support from the state thanks to various subsidies
- A healthy climate in living space for allergy sufferers thanks to high-performance dust and pollen filters
- Made in Germany