## Pooling strengths: the new AEROPLUS WRG from SIEGENIA

# A powerful wall-mounted ventilator with a high-end design

This innovative wall-mounted ventilator combines outstanding heat recovery with a host of features that deliver a high level of room comfort for end users: the new AEROPLUS WRG from SIEGENIA. The compact wall-mounted ventilator, which allows supply air and exhaust air to be regulated simultaneously in a single solution, combines a variety of performance features that make it one of a kind. These include low inherent noise, outstanding air throughput and excellent sound absorption. The last of these also makes it ideal for building projects with particularly high sound insulation requirements. These pressure-resistant ventilators deliver additional tangible benefits, reliably providing the desired exchange of air even when the façade is exposed to high wind pressure.

One of the greatest strengths of the AEROPLUS WRG is its energy-saving heat recovery during the colder months. The rotary heat exchanger – which SIEGENIA is the only producer of decentralised ventilation units to use – allows outstanding technical values to be achieved whilst still retaining an extremely compact casing design. SIEGENIA has taken the principle familiar from central ventilation systems and stripped it back – without compromising on performance. It is also possible to use the AEROPLUS WRG for passive cooling during the summer months thanks to the ability to temporarily disable the heat recovery system. The innovative all-rounder, which is available in a standard and a smart version, is also visually impressive. This is due to the interchangeable front panel, the option of either surface-mounted or partially recessed installation and an extensive range of accessories.

#### Heat recovery that's eligible for subsidies – smart control

With its heat recovery of up to 93%, the AEROPLUS WRG represents affordable energy efficiency and sustainability. Thanks to a wide range of filters, the AEROPLUS WRG also ensures a natural, comfortable indoor environment with high air quality: in addition to the grit filter that is integrated as standard, an optional fine dust and pollen filter (filter grade ePM1) and a NOx filter ensure a healthy living environment.

The modern casing and versatile design options are also appealing to architects and end users. There are numerous options available for creating a design-orientated look, from designer panels with a felt or metal look, to the option of rotating the ventilator through 90° depending on the installation location, right through to a vent duct for discreet integration into the external façade.

The AEROPLUS WRG also excels when it comes to ease of use: in automatic mode, it uses the temperature and humidity sensor to regulate the demand-based ventilation automatically.

It can be operated manually using the convenient touch control on the unit. The AEROPLUS WRG smart version also supports convenient operation from the SIEGENIA Comfort app as well as its automatic mode, which is controlled by a CO2 sensor. Both variants are suitable for use with external control as well as for direct integration into the building control system.

#### Simple planning – efficient assembly

Installing the AEROPLUS WRG could not be simpler. It is done using only a tapping drill hole. This enables efficient installation in all renovation and new-build projects. The optional vent duct is made of easy-to-install EPP material and can be fitted with either a plastic or aluminium cover for weather protection and a clean external appearance. It offers even greater sound absorption and can be easily adapted to the structural conditions on site. When planning a project relating to a specific property, fabricators can request advice and support from the SIEGENIA property team.

#### Captions

Image database: SIEGENIA

*Image I: SIE\_AERO\_AEROPLUS\_WRG.jpg*

The innovative AEROPLUS WRG wall-mounted ventilator allows supply air and exhaust air to be regulated simultaneously in one integrated solution and combines a variety of performance features that make it one of a kind.

*Image II: SIE\_AERO\_AEROPLUS\_WRG\_ambience\_workplace.jpg*

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