



he perfect room experience

The WR product family Ventilation units with heat recovery

The MAICO WR product family

The perfect ventilation units for domestic areas and privately owned homes



Amazing savings thanks to the WR product family

The heat of the exhaust air is transferred to the fresh air via heat recovery. No energy is wasted and more than 90 % of the generated heat is simply reused! Furthermore, the power consumption of DC fans is minimal, resulting in further savings.

WR 300 / WR 400 and WR 600 are certified as components suitable for passive houses

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Advantages which make a product successful



Pollen-free room air thanks to the standard F7 filter



Standard, easy-to-use operating unit RLS 1



TÜV SÜD (German Technical Inspection Agency) confirms excellent heat insulation

A breath of fresh air for your own four walls

Create the perfect room climate throughout your home with WR 300, WR 400 and WR 600. Whether in your apartment or your house, the ventilation units with heat recovery provide constant fresh air. Used air is reliably discharged to the outside. Say goodbye to bad odours from furniture, textiles and plastic parts thanks to the ventilation system. There is no chance of smells and moisture from the kitchen, bathroom and WC collecting in your home. Your home becomes a model of good health.







Numerous advantages

Clean air with all-year-round guarantee

Energy savings: heat exchanger ensures a high level of heat recovery Healthy living: constant supply of fresh, filtered air Building fabric protection: prevention of mould growth due to permanent ventilation Extremely silent: the arrangement of the fans ensures the heat exchanger functions as a sound absorber Optimum hygiene: inner housing and condensate pan can be quickly and easily cleaned

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Extremely handy: optionally, connect several operating units to control the ventilation from various rooms



- Exhaust air
- _____
- Outside air
- Outgoing air
- Heat recovery unit
- 2 sound absorber

1

- 3 air distributor
- 4 external grille
- 5 brine air heat exchanger
- 6 expansion tank
- 7 brine duct
- 8 flexible ducts
- 9 supply air valve
- 10 exhaust air valve

Installation of WR 400 unit combined with the flexible duct system MAICOFlex and the brine earth heat exchanger EW.

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Pollen in the air that we breathe – no thank you!



As standard with G4 and F7 filters

Pollen cannot enter the room air thanks to the standard F7 filter in the WR product family. This ensures that allergy sufferers can breathe freely and rely on a healthy room climate.

G4 filters protect the fans against dust particles, thus guaranteeing perfect operation.



Standard easy-to-use operating unit RLS 1 – with 4 ventilation levels for increased efficiency

The WR 300, WR 400 and WR 600 units boast 4 settable ventilation levels:

- Intensive or party operation: highest ventilation level for greater efficiency
- Nominal ventilation: for every day use
- Reduced ventilation: for reduced
- night-time operation
 Interval/Holiday operation for moisture protection: minimum ventilation to prevent mould growth and to protect against very dry air during the winter months

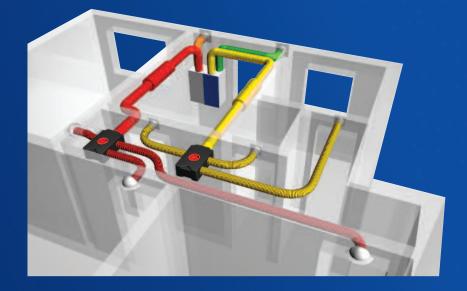
Thanks to the 4 ventilation levels, the ventilation can be adjusted to various situations and according to individual demands. Wasting valuable energy is a thing of the past and your living area will always be supplied with sufficient fresh air!



Your complete ventilation system – from a single source

Whether new building or renovation project, simply combine – the WR units – with the flexible duct system MAICOFlex. It guarantees optimum air distribution and enables quick assembly thanks to the simple click system.

Additionally, the WR units can be ideally complemented with a brine earth heat exchanger for new building projects. This allows you to conveniently preheat the outside air during the winter. In the summer on the other hand, the outside air is cooled before reaching the heat exchanger.

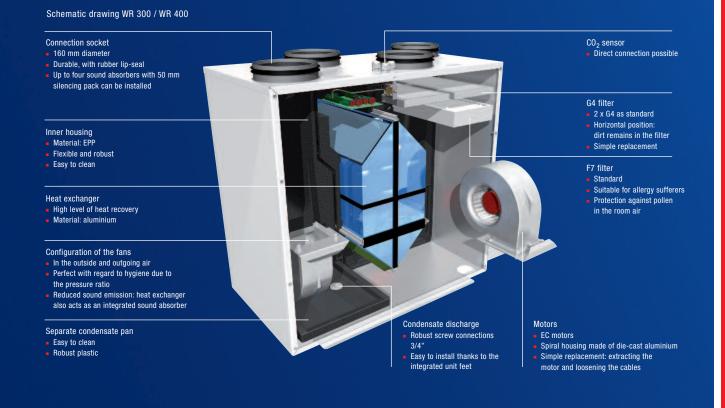


Perfect down to the last detail

Connection for CO₂ sensor available: in this case, the ventilation system is controlled via the CO₂ content of the air

Simple adjustment of the units via potentiometer

- Constant volumetric flow control
- Passive house certification
- Meets the specifications of DIN 4719
- Simple replacement of components for required service tasks
- High-performance cross-counter flow heat exchanger made of aluminium
- KNX/EIB bus-compatible



High-performance technology

Innovative and efficient

Technical data

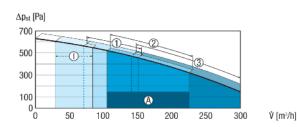
*Reduced ventilation Without condensate

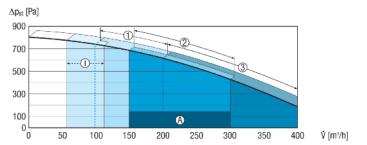
Туре	WR 300	WR 400	WR 600
Article number	0095.0078	0095.0079	0095.0080
Degree of heat provision*	> 90 %	> 90 %	> 90 %
Rated voltage	230 V	230 V	230 V
Power consumption at 50 Pa:			
80 m³/h / 160 m³/h / 250 m³/h / 600 m³/h	22 / 38 / 77 / – W	18 / 36 / 77 / – W	/ 37 / 54 / 247 W
Connection diameter	160 mm	160 mm	250 mm
Air volume	40 – 300 m³/h	40 – 400 m³/h	150 – 620 m³/h
Airstream temperature	50 °C	50 °C	50 °C
Filter class	G4 / F7	G4 / F7	G4 / F7
Weight	50 kg	50 kg	87 kg
Sound power level:			
L _{WA2} = housing sound pressure level	45 dB(A)	47 dB(A)	48 dB(A)
L _{WA5} = free inlet sound pressure level*	44 dB(A)	47 dB(A)	49 dB(A)
$L_{WA6} = $ free outlet sound pressure level*	47 dB(A)	50 dB(A)	50 dB(A)

 $L_{WA5} / L_{WA6} =$ sound power emitted to the free environment, measured at 50 Pa. Measurements at the connections facing the room (supply and exhaust air)

WR 300

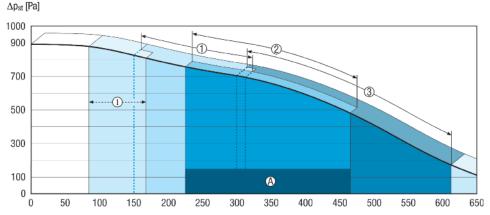
WR 400





- (A) Recommended range
- () Interval/Holiday operation for moisture protection
- ① Reduced ventilation
- 2 Nominal ventilation
- Intensive/Party operation
- (A) Recommended range
- () Interval/Holiday operation for moisture protection
- 1 Reduced ventilation
- (2) Nominal ventilation
- 2 Intensive/Party operation
- (A) Recommended range
- () Interval/Holiday operation for moisture protection
- 1 Reduced ventilation
- 2 Nominal ventilation
- (2) Intensive/Party operation

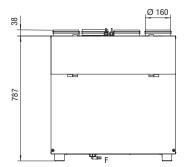
WR 600



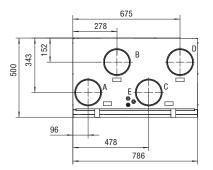


Sophisticated technology down to the last detail

Dimensional drawing WR 300 / WR 400 without bypass





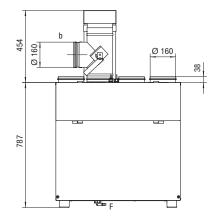


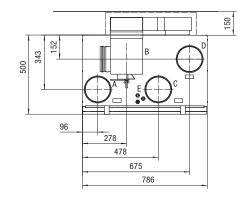
Space required for bypass with insulation facing the wall

with bypass

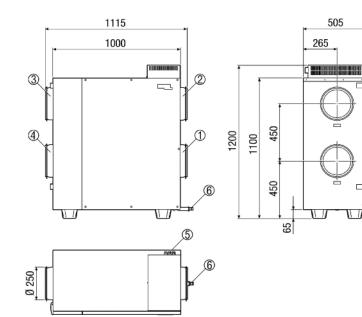


- B Supply air
- C Exhaust air
- D Outside air
- E Electrical connection E Condensate connection
- F Condensate connection





Dimensional drawing WR 600





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