

Single room heat recovery

AIRO+ 160



Wi-Fi control
option



Ultra-quiet fan



Level of protection
IP X4



Easy
installation



Description

AIRO+ 160 is a wall-mounted decentralized heat recovery unit designed to provide controlled ventilation for residential and public buildings—without the need for a complex ducting system. It's the perfect solution wherever installing a traditional heat recovery ventilation system is difficult or when modifications to the building structure are limited: ideal for rooms where natural ventilation is ineffective, or where issues such as dampness and mold occur.

AIRO+ is perfectly suited for use in:

- thermally modernized buildings,
- apartments,
- small offices,
- service premises (e.g. hairdressing/beauty salons, workshops, etc.).

The recuperator has an IP X4 protection rating. The unit is designed for operation at temperatures from -20°C to +40°C and at relative humidity levels below 97%.

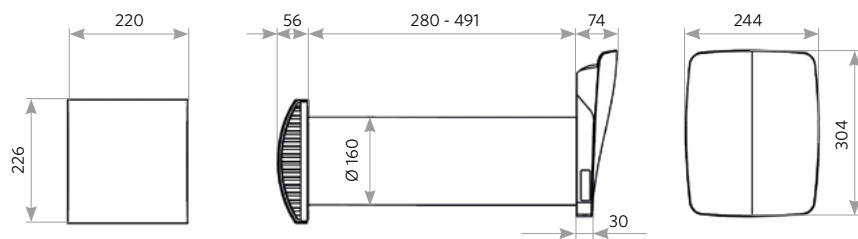
Airflow and noise level

Fan speed		Unit	Value
Maximum	Capacity	m³/h	50
Maximum	Sound pressure level at 3 m distance	dB (A)	25,8
Medium	Capacity	m³/h	35
Medium	Sound pressure level at 3 m distance	dB (A)	16,5
Minimum	Capacity	m³/h	19
Minimum	Sound pressure level at 3 m distance	dB (A)	7,6
Night mode	Capacity	m³/h	12
Night mode	Sound pressure level at 3 m distance	dB (A)	7
	External noise attenuation with fan stopped	dB (A)	42

Technical data

Parameter	Unit	Value
Airflow at maximum fan speed	m³/h	50
Heat recovery efficiency	%	97
Operating air temperature	°C	-20/+40
Maximum power consumption	W	4,3
Maximum current consumption	A	0,020
Number of filters	szt.	2
Filtration class (ISO 16890)		ISO Coarse 60%
Power supply	V/ph/Hz	230/1/50
Bore diameter in the wall	mm	162
Minimum wall thickness	mm	280
Ingress protection rating	-	IP X4

Dimensional drawing



Control options



Wireless remote control
AIRO+ REM-CON



Integrated touch
panel



AIRO+ Wi-Fi module
(optional)

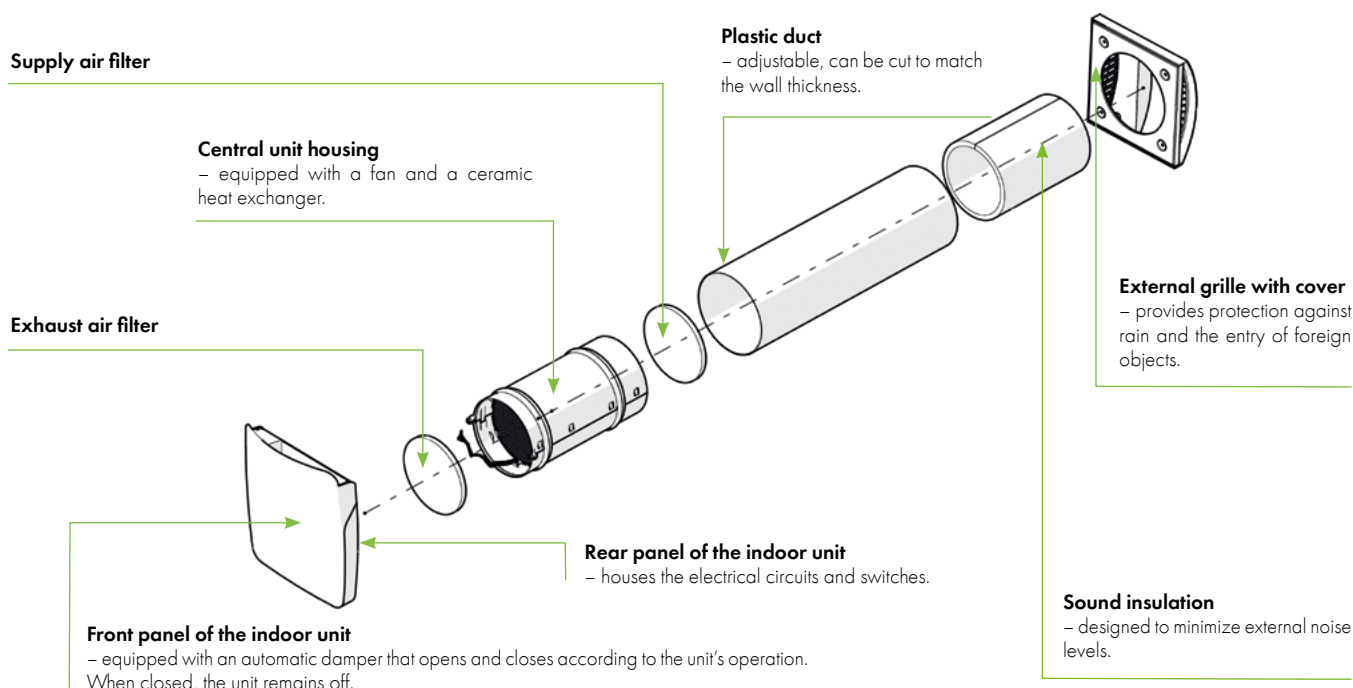


AIRO+ WALL-REM-CON
remote controller (optional)

Unit design

All models are designed and built for installation in external walls, with a minimum distance of 16 cm from the ceiling. They must not be exposed to aggressive weather conditions or excessive temperatures (-20°C to +40°C).

When installed in shaded areas, the night mode function may not be activated.



Available operating modes

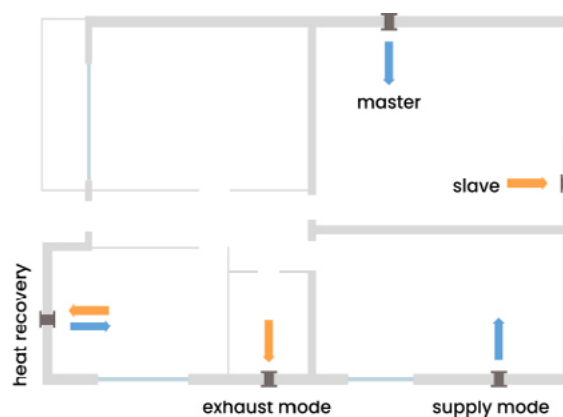
Heat recovery: the unit operates alternately in two phases of about 60 seconds each:

- **exhaust phase** – during this phase, heat energy from the indoor exhaust air is transferred to the heat exchanger,
- **supply phase** – during this phase, the heat energy stored in the exchanger is transferred to the fresh air drawn from outside.

Night mode: the fan speed is reduced to the "min." level, ensuring continuous air exchange with reduced noise (twilight sensor).

Humidity function: when the preset maximum humidity level in the room is exceeded, the unit operates at maximum fan speed.

Master/Slave function: allows pairing of up to 10 units.



Optional accessories



AIRO TRAP
trapezoidal intake and exhaust vent



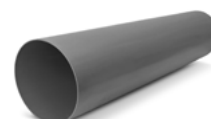
AIRO+
Wi-Fi module



AIRO+ WALL-REM-
CON remote controller



AIRO FGE 160
flexible external air
grille



AIRO EXT
700 mm plastic duct