airdot®

Zone heat recovery unit

Harmann®

WASHABLE POLLEN FILTER
cleaning reminder

EXCEPTIONALLY QUIET REVERSIBLE FAN
energy-saving motor equipped with ball bearings located
behind the heat exchanger, which reduces noise entering the room

AUTOMATIC FRONT PANEL
cutting off the airflow when
the recuperator is turned off

SPECIALLY DESIGNED INLET
optimizing airflow while reducing noise

HUMIDITY SENSOR
integrated sensor controlling the level
of humidity in the room

PLASTIC TUBE
installation in partitions with a width of 250-500mm,
adjustable length

THE LONGEST CERAMIC HEAT EXCHANGER
with a honeycomb structure providing
efficient heat recovery up to 92%

DUSK SENSOR
measuring the light intensity
affecting the moment when the night mode is activated

Maximum capacity of	Heat recovery up to	Silent operation from	Max power consumption of	Alternating cooperation up to
60m³/h	**92%**	**16dB(A)**	**6.7W**	**16** units

Dimensions

48mm · 500mm · 40mm · 212mm · Ø160mm · 250mm · 212mm · 233mm · 212mm · 250mm · 54mm · 9mm · 106mm
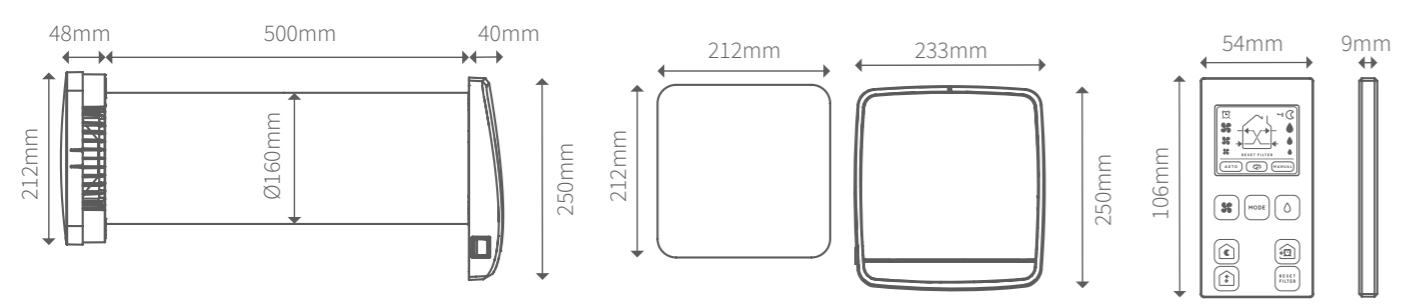
Technical data

Model	min. mounting hole [mm]	V̇ night mode / I / II / III [m³/h]	Δp_max [Pa]	P_max [W]	U_n [V]	m [kg]	L_pA II/III [dB(A)]	cat. number
airdot® easy	160	- /20/-/60	54	6.7	230	4.9	- / 30	72251557
airdot® link	160	10/20/40/60	54	6.7	230	4.9	21 / 30	72251558
airdot® link+	160	10/20/40/60	54	6.7	230	4.9	21 / 30	72251559

Alternating units operation
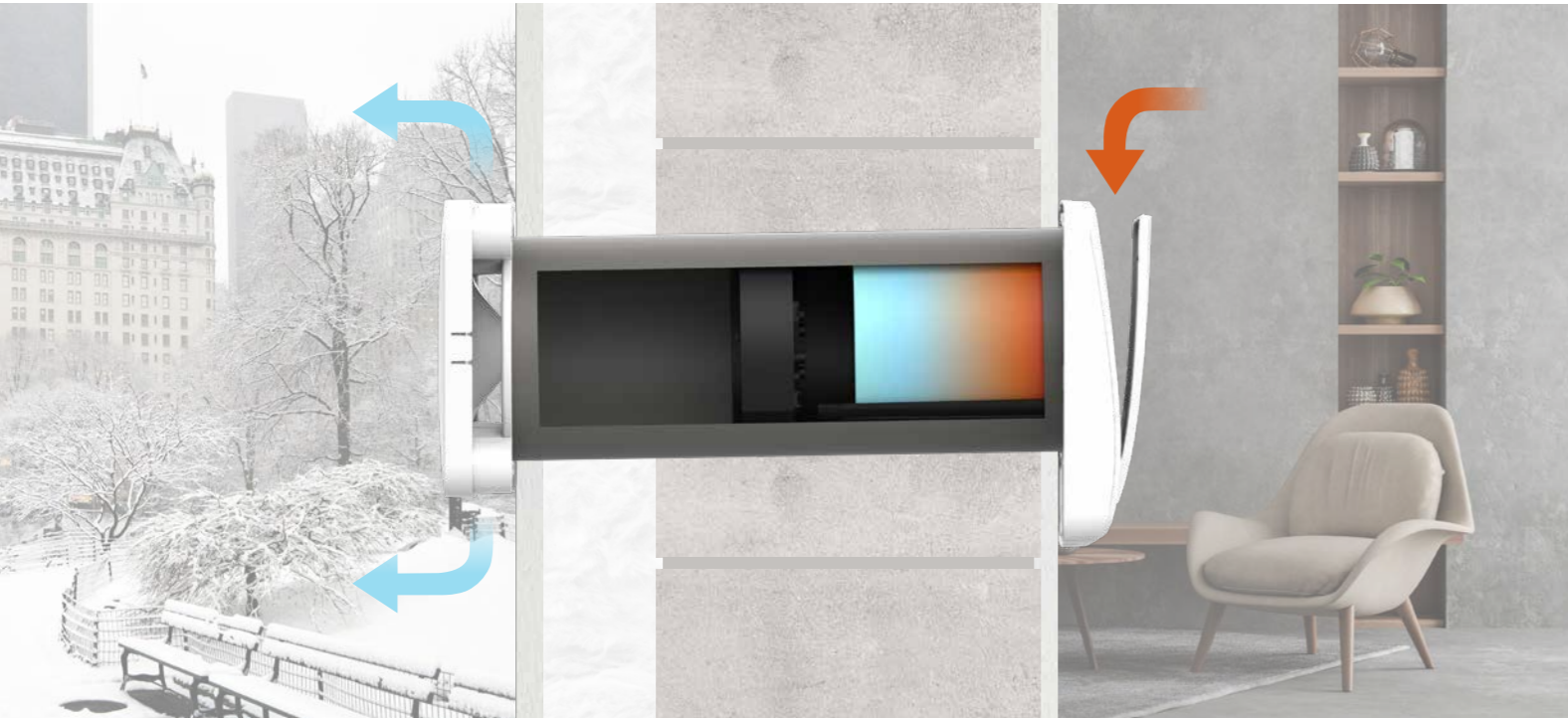
1st **cycle**   Extraction of warm, stale air. Heat accumulation in the exchanger.
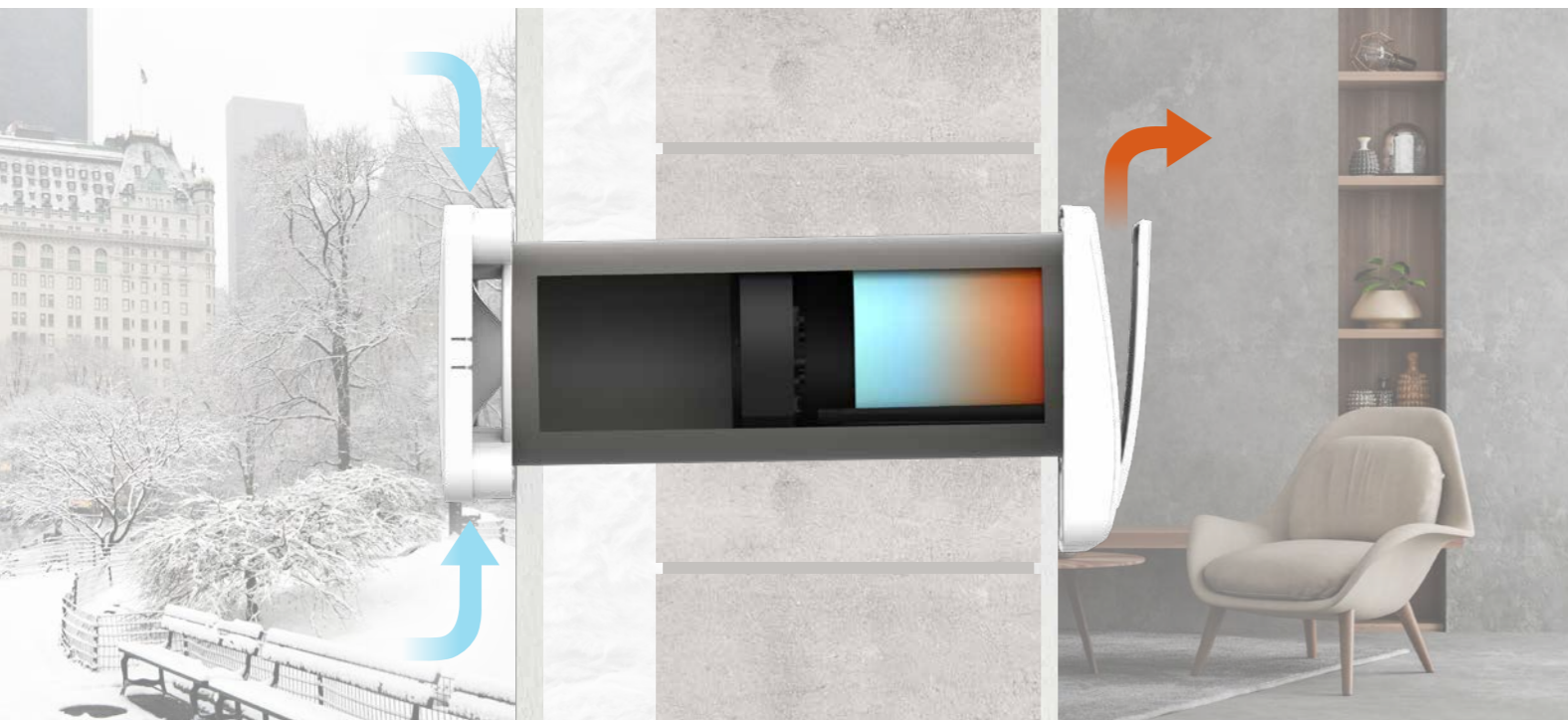
2nd **cycle**   Fresh air supply. Collection of accumulated heat.

Why choose ventilation with **airdot**®?

- Without ventilation moisture accumulates, which is dangerous to health and the buildings. The recuperator ensures mandatory, **continuous air exchange**, preventing the situation of exceeding the set humidity threshold.

- The energy-saving motor, high heat recovery and advanced controls translate into a **high energy class A**, which helps you save money.

- The division of the system into zones together with the use of integrated humidity and dusk sensors allow for **ventilation adapted to the local needs** of the user.

- The **airdot®** units, creating an intelligent system, are used both in **newly designed and existing buildings**, in particular those that have undergone thermomodernization.

- The use of **airdot®** helps to **reduce the building's annual demand for non-renewable primary energy (PE)**, which is part of the European Union's policy aimed at reducing the energy consumption of buildings.

- **Quick installation** in the external wall of the building, without the need to construct a complicated installation increasing the cost and negatively affecting the cubic capacity of the rooms and their architecture.

- Reusable filters, low electricity consumption and efficient heat recovery guarantee **comfort and low operation costs**.

- The choice of the direction of air flow in the ventilated spaces prevents the spread of nuisance odours and, on summer days, enables the **freecooling** function.

What is worth knowing about **airdot**®?

The **airdot®** heat recovery unit, compared to central ventilation, does not require wiring. This facilitates installation and does not affect the interior design of both new and modernized buildings. Combining the units in **airdot®** link or link+ makes it possible to build an intelligent ventilation system for the entire living space. Depending on the version, communication between devices is carried out by wire (link) or wirelessly using a radio signal (link+).

strongair®
solutions

Well-thought-out, easy to assemble, advanced design. The IPX4 degree of protection shields the device against atmospheric conditions.
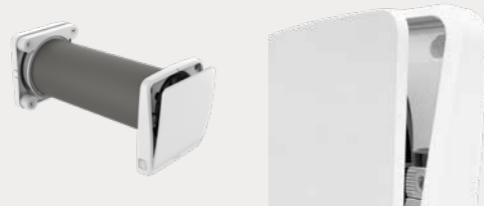
Made of the highest quality ABS material ensures durability and elegant design.

Advanced automation adjusts the operation to the demand and combines the units into one efficient ventilation system.

1°-2°

Installation with a slope "to the outside" eliminates the need to lead the condensate to the sewage system.

Placing the reversible fan behind the exchanger ensures reduction of noise emitted to the ventilated room.

A

An energy-saving EC motor and an elongated heat exchanger combined with intelligent control translates into a high energy class of the device.

Automatic restart after a power failure allows you to forget about operating the device.

AUTO RESTART

No negative impact on human health and the natural environment confirmed by the Polish National Institute of Hygiene.

airdot® easy
basic version

- Designed for **stand-alone operation**
- Cyclic supply/extract operation
- Ability to operate at I/II gear
- On/off switch and gear selection located on the housing of the device
- Standard wall switch can be used for unit control
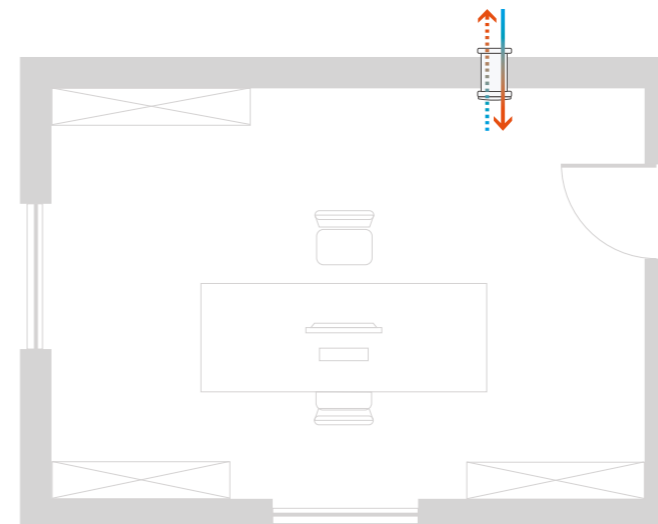
1 **airdot**® recuperator
Alternating independent operation

airdot® link
wired version

Thanks to mutual wired communication, the recuperators synchronize the air supply and extraction.

- **Wired communication** up to 16 units
- Alternating operation of cooperating devices
- 1 remote control with LCD display for the entire system
- Integrated humidity and dusk sensors
- Multifunctional controls
- Ability to operate at: night mode/I/II/III gear
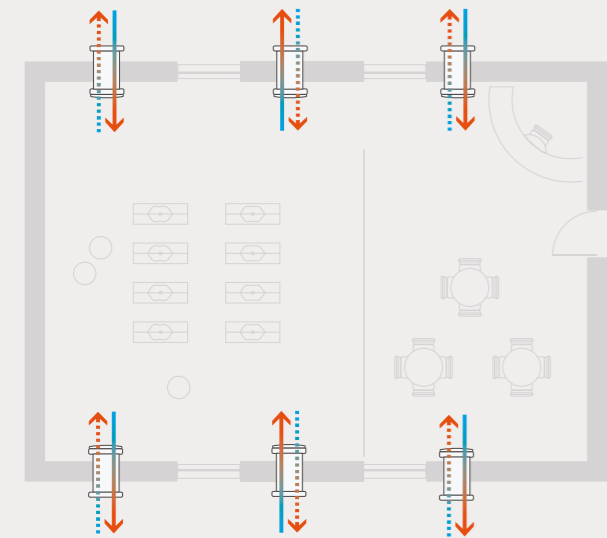
up to 16 **airdot® recuperators**
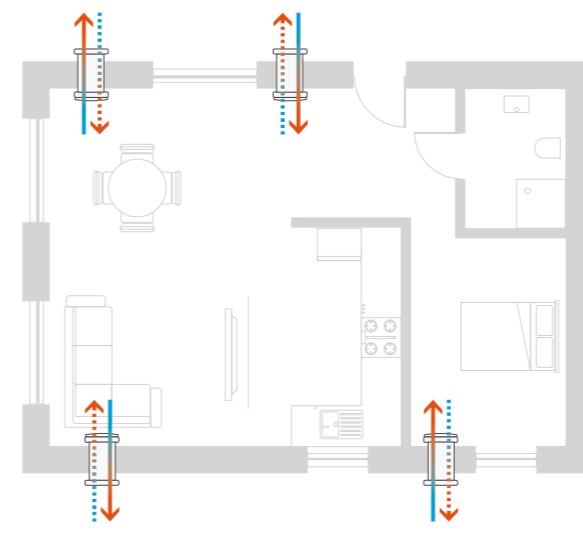**Alternating operation up to 16 units**

■ **Wired communication**

airdot® link+
wireless version

Thanks to mutual wireless communication, the recuperators synchronize the air supply and extraction.

- **Wireless communication** up to 16 devices
- Alternating operation of cooperating devices
- 1 remote control with LCD display for the entire system
- Integrated humidity and dusk sensors
- Multifunctional controls
- Ability to operate at: night mode/I/II/III gear

up to 16 **airdot® recuperators**
Alternating operation up to 16 units

■ **Wireless communication**

Control

Remote control for **airdot®** link, link+ versions

HUMIDITY

Selectable level of required humidity: 90/60/40%. When the humidity in the room exceeds the set threshold, all devices of the system work in the air extraction mode.

FAN

Fan speed adjustment in manual mode 60 m³/h, 40 m³/h, 20 m³/h.

MANUAL MODE

The device works with heat recovery. The user can select the desired fan speed.

AUTO MODE

airdot® adjusts the ventilation to the set humidity level in the room and activates the night mode based on the signal from the built-in dusk sensor.

STANDBY MODE

The recuperator is in standby mode with the outlet flap closed. When it detects too much humidity in the room, it automatically turns on in the extraction mode. After the parameters are equalized, it returns to the standby mode.

NIGHT MODE

The heat recovery unit operates at the lowest speed, reducing the noise level of the fan to a minimum.

AIRFLOW

Switching between air flow directions: MASTER--SLAVE flow, SLAVE-MASTER flow, EXTRACT, SUPPLY.

BOOST MODE

The device extracts air from the room at maximum capacity for 20 minutes.

FILTER CLEANING RESET

Deactivation of the filter alarm after the filter was cleaned or replaced.

Quick installation

Materials and tools

Installation

1
- Drill holes in the wall using the supplied template.
- Insert the mounting pins.

min. Ø160mm
1°-2°

2
- Cut the tube to size, insert it into the hole.
- Fill the space with mounting foam.
- Connect the power (2-wire) and control (3-wire) cables.

3
- Mount the **airdot®** front panel.
- Analogous procedure with the external element.

4
- Route and connect the power and control cables.
- Lock them with a bracket and install end caps.

5
- Install the main module with fan and heat exchanger.
- Connect the plug of the fan to the control board and configure the device.

6
- Lock the module and close the control cover as well as front panel.
- **airdot®** is ready for operation.

Accessories

External **airdot®** acoustic insulation

airdot® 700 mm mounting channel

Remote control for **airdot®** link, link+

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