
PERFECT AIR
IDEAL CO_2
IDEAL HUMIDITY LEVEL
COOLING
HEATING MANAGEMENT
VENTILATION
AIROBOT

High-quality air starts from Airobot

Airobot ensures that you feel good at your home

Airobot is an autonomous ventilation unit, which takes care of the indoor climate of your home. Smart sensors of Airobot measure the levels of CO2, VOC, temperature, and humidity in the air, and adjust them independently.

We make your air visible

Airobot users see the quality of indoor air on the display in real time. You can always be sure and check the air quality in your home.

Up to 30% saving on energy costs

Airobot can detect through interaction of several sensors if nobody is present in the premises, and switch to minimum speed. For example, if rooms are not populated eight hours a day on average, Airobot will save up to 30% electric energy compared to a regular ventilation unit and reduce heating costs. This also helps to save the environment.

Suitable for apartment and house

The ventilation unit should be chosen depending on the area of your home in square meters, and Airobot range includes equipment for smaller or larger, old or new dwellings. They can be installed on a wall or to the ceiling.

Heat exchanger with humidity recovery

Most ventilation units take humid air from the room and discharge it out. In winter, they take dry air from the outside and bring it in. Excessively dry air is bad for health. Enthalpy-type Airobot heat exchangers return approximately 60% of the moisture generated indoors to the air blown into the rooms. This way, ventilation does not extract all moisture and a much healthier humidity level is maintained in your home.

Quiet operation

Airobot is so quiet that you do not even notice its operation. The noise level of Airobot equipment is within the range 37–50 dB.

Airobot likes development

Airobot provides regular software updates for its devices, adding new features. Continuous development ensures that the ventilation unit stays up to date even after several years of use. All updates are automatic.

AIROBOT L

As standard equipment, includes:

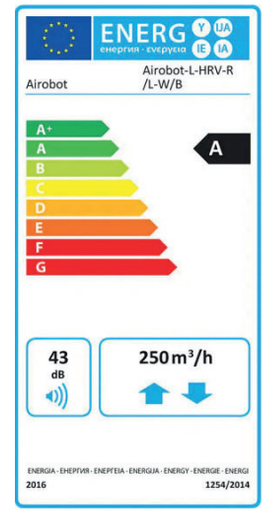
- integrated CO_2, VOC, air temperature and humidity sensors
- autonomous control – smart control of fans ensures high-quality interior climate
- room occupancy sensing (together with energy saving mode)
- humidity detection mode.

Specifications

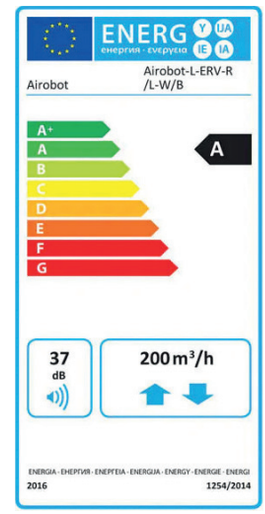
Installation	ceiling-mounted, horisontally
Airflow up to	Airobot L: 250 m^3/h or 70 l/s or 120 m^2 ventilated area
	Airobot L ERV: 200 m^3/h or 55 l/s or 100 m^2 ventilated area
Heat exchanger	HRV: plate heat exchanger with heat recovery
	ERV: plate heat exchanger with humidity and heat recovery
Heat recovery efficiency	L: 89%, L ERV: 81%
Filters	panel filters, ePM10 55% (M5) / outside air ePM1 55% (F7)
Power supply	1~230 VAC 50 Hz
Maximum power	1.9 kW (10 A)
Motors	2 × 83 W Radical EC motors
Preheater (frost protection)	integrated, nominal power 1.1 kW PTC, 0–100% control
Special power SPI (L / L ERV)	0.38/0.30 W/(m^3/h) 175 m3/h / 140 m3/h 50 Pa
Special power SFP (L / L ERV)	1.36/1.08 W/(m^3/s) 175 m3/h / 140 m3/h 50 Pa
Condensate connection (mm)	15 mm, 3 m hose included (only HRV)
Colours	white, black, without metal casing
Packaging	118 × 32 × 66 cm, weight 40 kg (20 kg without case)

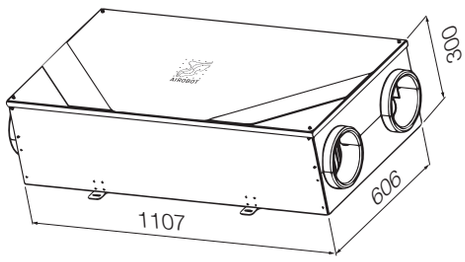
Energy labels

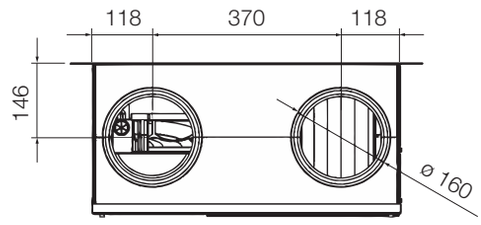
Airobot L

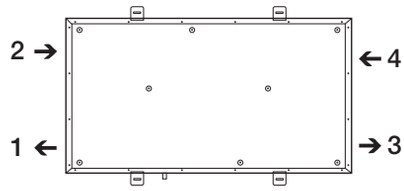


Airobot L ERV





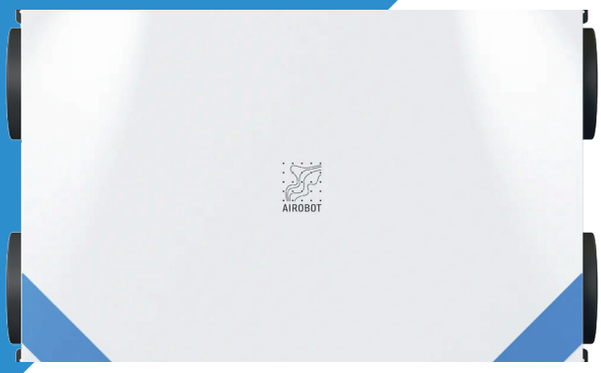




Ducts

Type R	Type L
1. Exhaust air	1. Sypply air
2. Outside air	2. Extract air
3. Sypply air	3. Exhaust air
4. Extract air	4. Outside air

AIROBOT L5

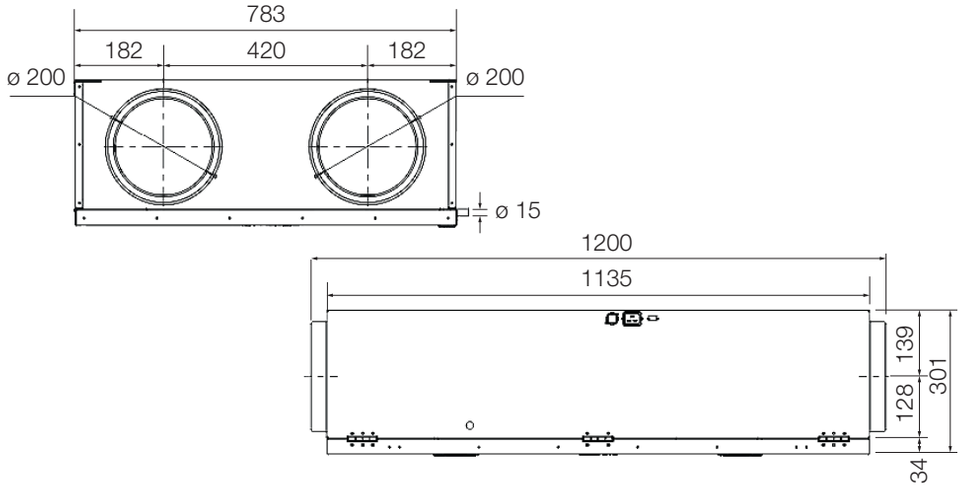


As standard equipment, includes:

- integrated CO_2, VOC, air temperature and humidity sensors
- autonomous control – smart motor control ensures pleasant indoor air and energy efficiency
- room occupancy sensing and energy-saving mode
- humidity detection mode
- overpressure and boost modes.

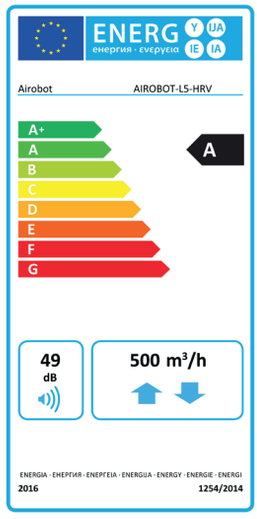
Specifications

Installation	ceiling-mounted, horisontally
Airflow up to	L5: 500 m³/h or 139 l/s or 250 m² ventilated area
	L5 ERV: 500 m³/h or 139 l/s or 250 m² ventilated area
Heat exchanger	L5: plate heat exchanger with heat recovery
	L5 ERV: plate heat exchanger with heat and humidity recovery
Heat recovery efficiency	L5: 85% (70% airflow).
	L5 ERV: 88% (70% airflow, humidity recovery efficiency 66%)
Panel filters	extract ePM10 55% (M5) / outside air ePM1 55% (F7)
Power supply	1~230 VAC 50 Hz
Maximum power	2.2 kW (16 A)
Motors	2 × 170 W Radical EC
Preheater (frost protection)	integrated, nominal power 1.5 kW PTC, 0–100% control
Special power SPI (L5 / L5 ERV)	0.28/0.27 W/(m³/h) 350 m3/h / 50 Pa
Special power SFP (L5 / L5 ERV)	1.08/0.97 W/(m³/s) 350 m3/h / 50 Pa
Condensate connection (mm)	15 mm, 3 m hose included (only HRV)
Colours	white, black
Packaging	1200 × 310 × 800, weight 70 kg

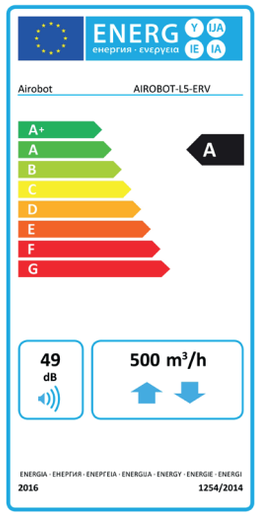


Energy labels

Airobot L5

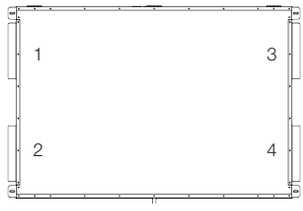


Airobot L5 ERV



Ducts

Type R	Type L
1. Supply air	1. Exhaust air
2. Extract air	2. Outside air
3. Exhaust air	3. Supply air
4. Outside air	4. Extract air



AIROBOT V3

As standard equipment, includes:

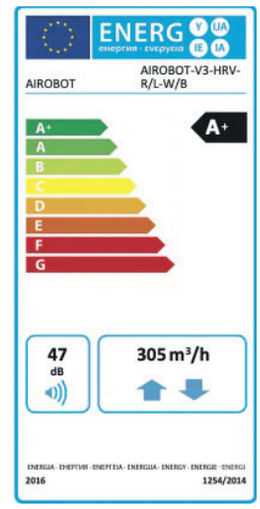
- integrated CO_2, VOC, air temperature and humidity sensors
- autonomous control – smart control of fans ensures high-quality interior climate
- room occupancy sensing (together with energy saving mode)
- humidity detection mode.

Specifications

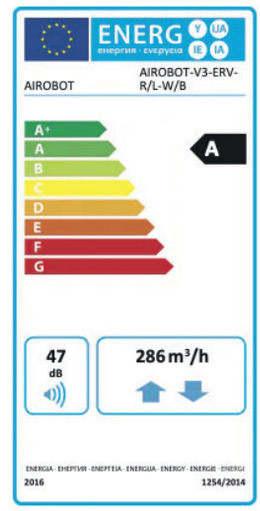
Installation	wall-mounted, vertically
Airflow up to	V3: 309 m^3/h or 86 l/s or 140 m^2 ventilated area
	V3 ERV: 286 m^3/h or 80 l/s or 140 m^2 ventilated area
Heat exchanger	HRV: plate heat exchanger with heat recovery
	ERV: plate heat exchanger with humidity and heat recovery
Heat recovery efficiency	V3: 89%, V3 ERV: 84%
Filters	panel filters, ePM10 55% (M5) / outside air ePM1 55% (F7)
Power supply	1~230 VAC 50 Hz
Maximum power	1.9 kW (10 A)
Motors	2 × 83 W RadiCal EC
Preheater (frost protection)	integrated, nominal power 1.35 kW PTC, 0–100% control
Special power SPI (V3 / V3 ERV)	0.31/0.31 W/(m^3/h) 219 m3/h / 50 Pa
Special power SFP (V3 / V3 ERV)	1.12 / 1.12 W/(m^3/s) 219 m3/h / 50 Pa
Condensate connection (mm)	32 mm
Colours	white, black
Packaging	80 × 60 × 60 cm, weight 45 kg

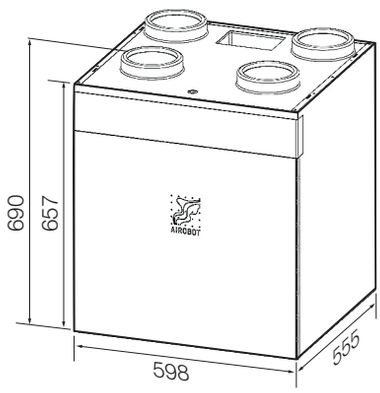
Energy labels

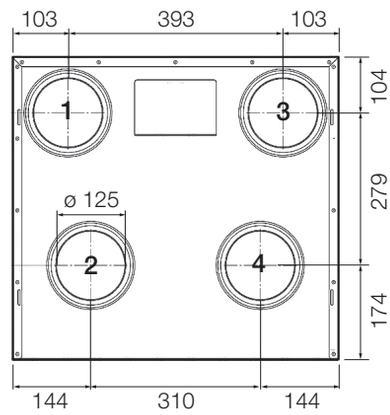
Airobot V3



Airobot V3 ERV







Ducts

Type R	Type L
1. Supply air	1. Exhaust air
2. Extract air	2. Outside air
3. Exhaust air	3. Supply air
4. Outside air	4. Extract air

AIROBOT S1

As standard equipment, includes:

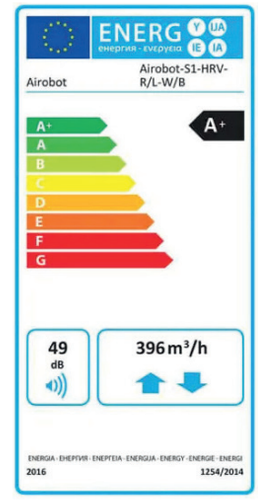
- integrated CO_2, VOC, air temperature and humidity sensors
- autonomous control – smart control of fans ensures high-quality interior climate
- room occupancy sensing (together with energy saving mode)
- humidity detection mode.

Specifications

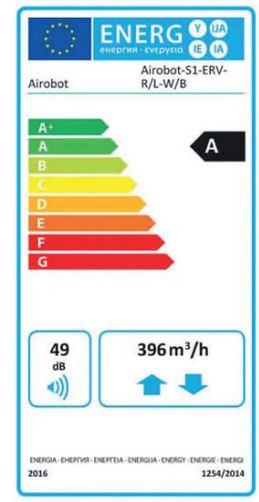
Installation	wall-mounted, vertically
Airflow up to	Airobot S1 / S1 ERV: 400 m³/h or 111 l/s or 170 m² ventilated area
Heat exchanger	HRV: plate heat exchanger with heat recovery ERV: plate heat exchanger with humidity and heat recovery
Heat recovery efficiency	S1: 92.6%, S1 ERV: 87%
Filters	panel filters, ePM10 55% (M5) / outside air ePM10 55% (M5)
Power supply	1~230 VAC 50 Hz
Maximum power	2.2 kW (16 A)
Motors	2×118 W EC
Preheater (frost protection)	integrated, nominal power 1.35 kW PTC, 0–100% control
Special power SPI (S1 / S1 ERV)	0.32/0.32 W/(m³/h) 277 m3/h / 50 Pa
Special power SFP (S1 / S1 ERV)	1.15/1.15 W/(m³/s) 277 m3/h / 50 Pa
Condensate connection (mm)	32 mm
Colours	white, black
Packaging	60 × 80 × 131 cm, weight 60 kg

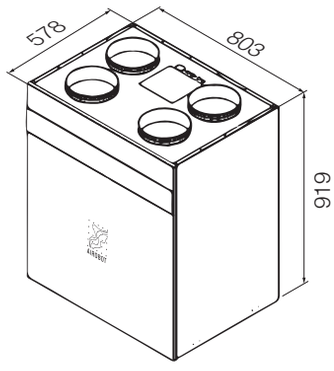
Energy labels

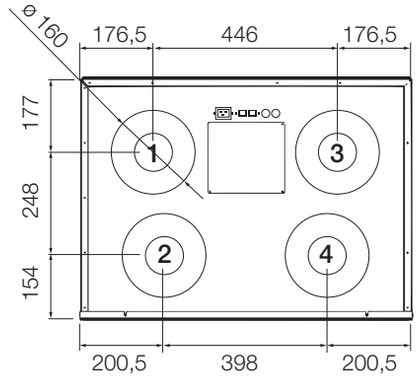
Airobot S1



Airobot S1 ERV







Ducts

Type R	Type L
1. Supply air	1. Exhaust air
2. Extract air	2. Outside air
3. Exhaust air	3. Supply air
4. Outside air	4. Extract air

AIROBOT S2

As standard equipment, includes:

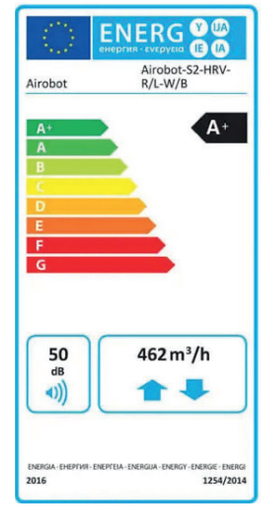
- integrated CO_2, VOC, air temperature and humidity sensors
- autonomous control – smart control of fans ensures high-quality interior climate
- room occupancy sensing (together with energy saving mode)
- humidity detection mode.

Specifications

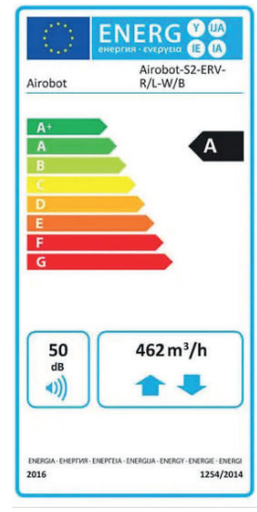
Installation	wall-mounted, vertically
Airflow up to	Airobot S2 / S2 ERV: 500 m³/h or 139 l/s or 250 m² ventilated area
Heat exchanger	HRV: plate heat exchanger with heat recovery ERV: plate heat exchanger with humidity and heat recovery
Heat recovery efficiency	S2: 92.2%, S2 ERV: 85.1%
Filters	panel filters, ePM10 55% (M5) / outside air ePM10 55% (M5)
Power supply	1~230 VAC 50 Hz
Maximum power	2.2 kW (16 A)
Motors	2 × 163 W EC
Preheater (frost protection)	integrated, nominal power 1.35 kW PTC, 0–100% control
Special power SPI (S2 / S2 ERV)	0.37 / 0.37 W/(m³/h) 277 m3/h / 50 Pa
Special power SFP (S2 / S2 ERV)	1.33 / 1.33 W/(m³/s) 277 m3/h / 50 Pa
Condensate connection (mm)	32 mm
Colours	white, black
Packaging	60 × 80 × 131 cm, weight 60 kg

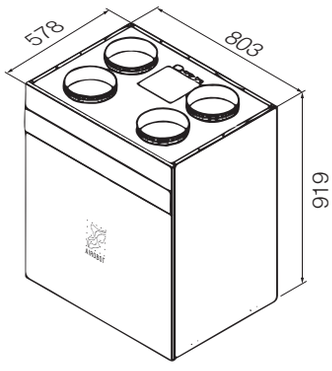
Energy labels

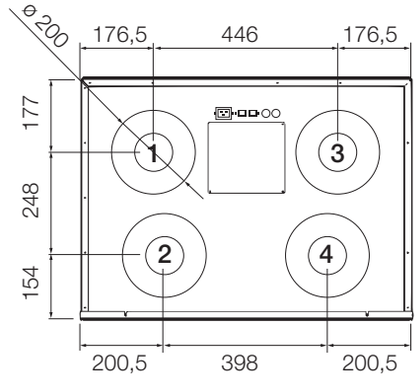
Airobot S2



Airobot S2 ERV







Ducts

Type R	Type L
1. Supply air	1. Exhaust air
2. Extract air	2. Outside air
3. Exhaust air	3. Supply air
4. Outside air	4. Extract air

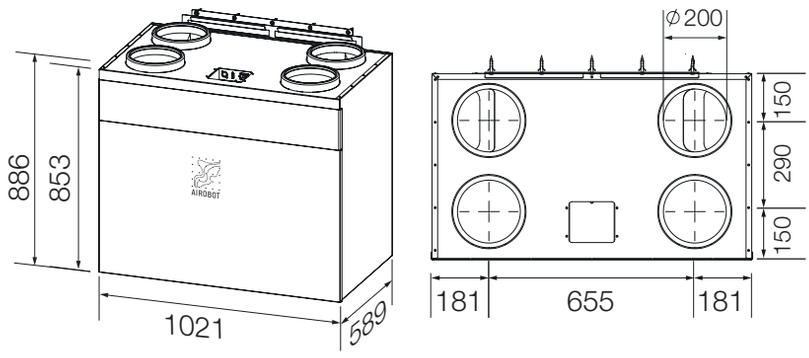
AIROBOT V8

As standard equipment, includes:

- integrated CO_2, VOC, air temperature and humidity sensors
- autonomous control – smart control of fans ensures high-quality interior climate
- room occupancy sensing (together with energy saving mode)
- humidity detection mode.

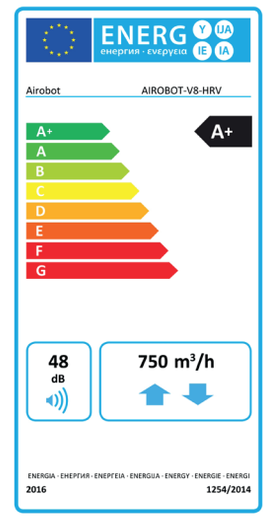
Specifications

Installation	wall-mounted or floor frame
Airflow up to	V8: 750 m^3/h or 208 l/s or 350 m^2 ventilated area
Heat exchanger	HRV: plate heat exchanger with heat recovery ERV: plate heat exchanger with moisture and heat recovery
Heat recovery efficiency	V8: 85.4, V8 ERV 84%
Filters	panel filters, ePM10 55% (M5) / outside air ePM1 55% (F7)
Power supply	1~230 VAC 50 Hz
Maximum power	3,6 kW
Motors	2×170 W RadiCal EC
Preheater (frost protection)	integrated, nominal power 2,7 kW PTC, 0–100% control
Special power SPI (V8 / V8 ERV)	0.22 / 0.20 W/(m^3/h) 525 m3/h / 50 Pa
Special power SFP (V8 / V8 ERV)	0.72 / 0.79 W/(m^3/s) 525 m3/h / 50 Pa
Condensate connection (mm)	32 mm
Colours	white, black
Packaging	60 × 103 × 97,5 cm, weight 90 kg

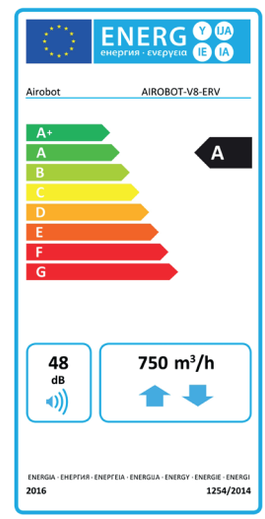


Energy labels

Airobot V8

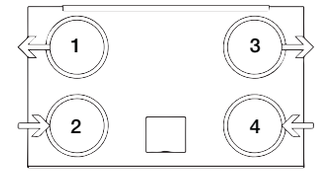


Airobot V8 ERV



Ducts

Type R	Type L
1. Supply air	1. Exhaust air
2. Extract air	2. Outside air
3. Exhaust air	3. Supply air
4. Outside air	4. Extract air



AIROBOT
CENTRAL AIR HUMIDIFIER

Central air humidifiers are used during the heating season when humidity can drop to an uncomfortably low level. A central electrode steam humidifier allows its users to raise and maintain a higher humidity level in their homes through the ventilation system.

Specifications

Placement	on the walls or ceiling
Amount of steam produced	up to 3 kg/h
Power supply	1~230 VAC 16 A
Maximum capacity	2,3 kW (10 A)
Power connection	power plug
Steam pipe connection	22 mm
Drainage connection	32 mm, drainage pipe
Condensate nozzle connection	8 mm
Connection to the sewer and water supply	required
Maintenance	regular cleaning or replacement of the steam cylinder must occur every 3000 work hours (one winter period)
Colours	white, black
Dimensions	depth 222 mm, length 366 mm, height 530 mm

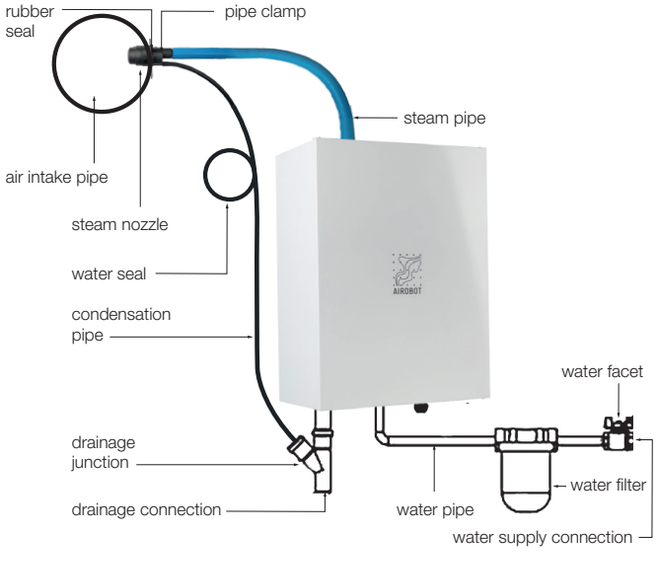
Features

- Allows the user to regulate air humidity in their own home (up to 40%).
- Retains humidity at the desired level.
- Functions only with an Airobot ventilation unit.
- It is necessary to install a supply air sensor (which is included) one meter away from the humidifer nozzle.

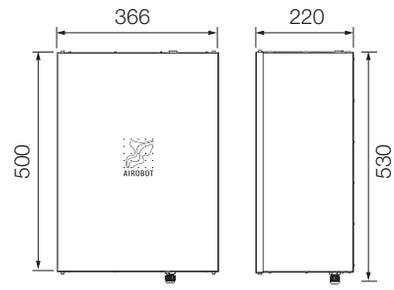
Water supply requirements

- A pressure of 1-8 bars.
- The minimum amount of water delivered from the water supply must be 0.6 l/min.
- The minimum amount of water drainage must be 4 l/min.
- The temperature must be between +5 and +40 °C.
- The connection type must be a 3/4'' external pipe thread.
- Install a water faucet before installing the device.
- Do not use water softeners – it can lead to corroded electrodes and create foam in the device, which may stop it from functioning as intended.
- The maximum temperature of the water in the drainage system can be up to 100°C. Thermal hazard!

Connecting



Measurements



AIROBOT
HEATING CONTROL
ROOM SENSORS WITH ROOM CONTROLLER

- Airobot floor heating room sensors have built-in CO2 sensors, showing room temperature, humidity and air quality
- control your heating room by room and adjust the indoor climate comfortably using Airobot app
- Airobot thermostats and ventilation device can be connected. You can control air quality even more presicely.

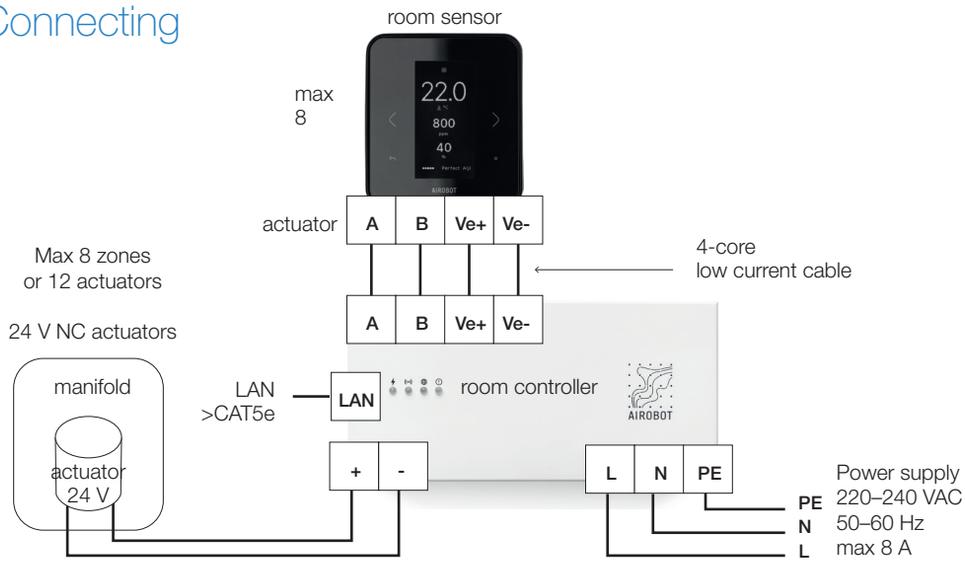
Specifications

Maximum room sensors	8
Room sensors connection	4-core cable (4 × 0.22 mm^2 – 0.75 mm^2)
Floor temperature sensor	Optional, 10kΩ
Maximum heating zones	8
Maximum actuators	12
Valve actuators	24V, normally closed, max. switching current 0.2 A
Power supply	230 VAC 50/60 Hz. 1 meter EU-plug
Integrated relay 1	24 V, max 0.2 A
Integrated relay 2	Potential free, max. 2 A
Network connection	Wi-Fi 2.4 GHz, LAN
Building automation	Local API
Dimensions	244 ×55 × 120 mm

Room sensor available:
- with temperature and humidity measurement
- with CO_2, temperature and humidity measurement

Colours: white, black

Connecting



AIROBOT
HEATING CONTROL THERMOSTAT

- Airobot floor heating thermostats have built-in CO_2 sensors, showing room temperature, humidity and air quality
- control your heating room by room and adjust the indoor climate comfortably using Airobot app
- Airobot thermostats and ventilation device can be connected. You can control air quality even more presicely.

Specifications

Maximum heating zones	1
Maximum actuators	5 pcs
Valve actuators	230 V, normally closed, max. switching current 0.2 A
Power supply	230 VAC 50/60 Hz, 2 × 1.5 mm², wall box
Network connection	Wi-Fi 2.4 GHz
Building automation	Local API

Thermostat available:
- with temperature and humidity measurement
- with CO_2, temperature and humidity measurement

Colours: white, black

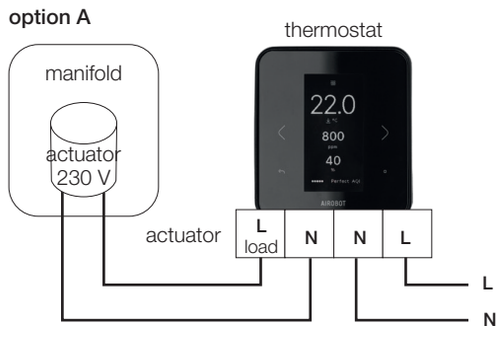
Features

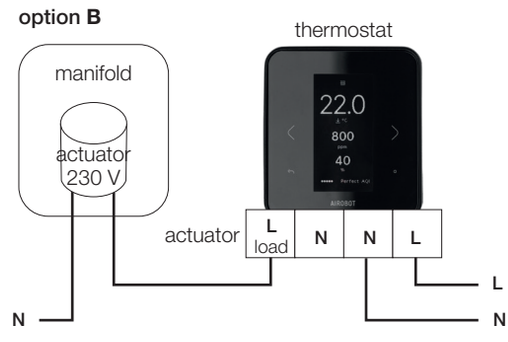
- Modern and energy-saving e-paper screen
- Touch sensitive buttons
- Precise control: high-precision (0.2 °C) digital temperature and humidity sensors measure room temperature very precisely and make control more efficient
- "Away" operating mode allows to set up separate set point
- Floor sensor input
- Silent switching: the thermostat does not make a clicking sound
- Regular switching of the actuator during non-heating periods (to avoid scale).

Integration

The Airobot smart thermostat has an open local API that allows it to integrate with almost all smart home systems very easily and quickly.

Connecting





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Feedback from customers

> Considering that I have dust allergy and my daughter is asthmatic, it can be said that Airobot has greatly improved our quality of life.

> Airobot operates quietly by itself and does a great job adjusting the air quality.

> We have used our Airobot for a year, and I am satisfied! The air is tip-top.

> I purchased an Airobot unit. All dealers said that it is far better than other products on the market. And I do not regret the purchase: it is efficient, quiet and well-designed. I can definitely recommend the product.

> My relative purchased an Airobot unit for their 300 m^2 home and was very satisfied. The device looks futuristic and high-tech.

AIROBOT