



Installation instructions

Air Purifier

Air 500 and Air 1000

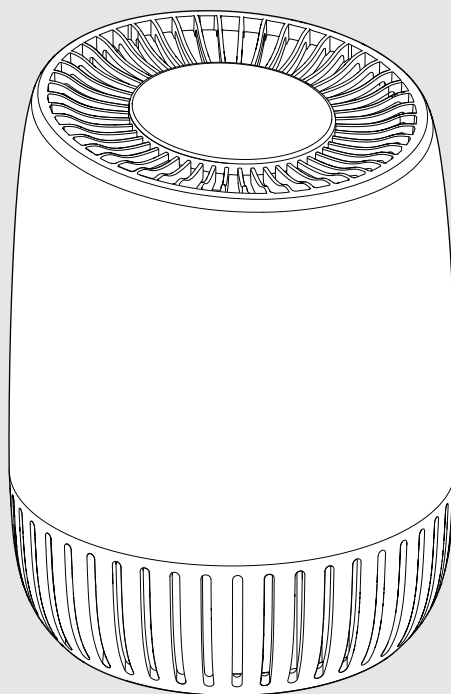


Table of contents

1	Explanation of symbols and safety instructions	2
1.1	Explanation of symbols	2
1.2	Safety instructions	2
2	Product Information	3
2.1	FCC Regulatory notices	3
2.2	Scope of delivery	4
2.3	Product overview	4
2.4	User interface overview (Air 1000)	4
2.5	User interface overview (Air 500)	4
2.6	Product specifications	4
3	Operation	4
3.1	Understanding the air quality light ring	4
3.2	Switching ON/OFF	4
3.3	Changing the mode setting	4
4	Cleaning and maintenance	5
4.1	Cleaning the housing of the air purifier	5
4.2	Cleaning the particle sensor	5
4.3	Cleaning the filter	5
4.4	Resetting the filter	5
4.5	Replacing the filter	5
5	Moving and storage	6
6	Troubleshooting	6
7	Online Help Resources	7
8	Environmental protection and disposal	8

1 Explanation of symbols and safety instructions

1.1 Explanation of symbols

Warnings

In warnings, signal words at the beginning of a warning are used to indicate the type and seriousness of the ensuing risk if measures for minimizing danger are not taken.

The following signal words are defined and can be used in this document:



DANGER indicates that severe or life-threatening personal injury will occur.



WARNING indicates that severe to life-threatening personal injury may occur.



CAUTION indicates that minor to medium personal injury may occur.

NOTICE

NOTICE indicates that material damage may occur.

Important information



The info symbol indicates important information where there is no risk to people or property.

Additional symbols

Symbol	Meaning
▶	a step in an action sequence
→	a reference to a related part in the document
•	a list entry
–	a list entry (second level)

Table 1

1.2 Safety instructions

Read this user manual carefully before using the appliance and save it for future reference.

Danger

- Do not clean the appliance with any flammable liquid or detergent.
- Do not spill any liquid on the appliance, to avoid electric shock, fire hazard and/or damage in the internal structure of the filter.
- Do not spray any flammable materials such as insecticides, alcohol or fragrance near the appliance.

Warning

- Check if the voltage indicated on the appliance corresponds to the local power voltage before connecting the appliance.
- The appliance is only to be used with the power supply unit provided with the appliance.

- Make sure the power cord is not running across highly trafficked areas to prevent fraying, overheating, and tripping.
- If the power cord, or any other working component of the appliance is damaged, reach out to Bosch support team immediately.
- Do not use the appliance if the plug, the power cord, or the appliance itself is damaged.
- Operation, cleaning and maintenance of the appliance must be performed by adults.
- Do not block the air inlet and outlet, e.g., by placing items on the air outlet or in front of the air inlet.
- Make sure that foreign objects do not fall into the appliance through the air outlet.
- To avoid a potential fire hazard or damage to the appliance or the removable filter, keep the appliance away from sources of heat.
- To reduce the risk of fire, electric shock or injury to persons, do not replace parts that have not been recommended by the manufacturer (example: parts made at home using a 3D printer).

Caution

- This appliance is not a substitute for proper ventilation, regular vacuum cleaning, or use of an extractor hood or fan while cooking.
- Always place and use the appliance on a dry, stable, levelled, and horizontal surface.
- Leave at least 8in (20cm) free space around the appliance and leave at least 12in (30cm) free space above the appliance.
- Do not sit or stand on the appliance. Do not place anything on top of the appliance.
- When disposing the filter, seal the filter in a disposable bag and follow the advice of the local health authorities for handling potentially infected surfaces.
- Only use the original Bosch filters specially intended for this appliance. Do not use any other filters¹⁾.
- Do not use the filter as fuel or for similar purposes. Combustion of the filter may cause irreversible human hazard and/or endanger other lives.
- Avoid hitting the appliance (the air inlet and outlet in particular) with hard objects.
- Do not insert your fingers or objects in the air outlet or the air inlet, to prevent physical injury or malfunctioning of the appliance.
- If the appliance is blocked, reach out to Bosch support team for help.
- Do not use the appliance near gas appliances, heating devices or fireplaces.
- Make sure to unplug the appliance when you want to move it, clean it, replace the filter or carry out other maintenance.
- This appliance is not intended for use by persons with reduced physical, sensory or mental capabilities (including children), or lack of experience and knowledge, unless they have been given supervision or instruction concerning the use of the appliance by a person responsible for their safety.
- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge, if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.
- Children shall not play with the appliance. Cleaning and user maintenance shall not be performed by children without supervision.

1) Bosch air 500 and Air 1000 filters can be purchased online from popular retailers.

- The appliance is designed for use in residential indoor applications, under normal operating conditions.
- Do not use the appliance in wet surroundings or in surroundings with high humidity or high temperatures.
- The appliance does not remove carbon monoxide (CO) nor radon (Rn). It must not be used to clean hazardous chemicals, nor combustion accidents.
- The recommended temperature for using the device is from 41°F to 113°F (5°C to 45°C), relative humidity level is ≤85%. The device may stop working or get damaged if the recommended temperature and humidity level are not followed.
- The recommended temperature range for device storage is from -4°F to 131°F (-20°C to 55°C). The device will be damaged if stored in areas that exceed this temperature range.
- The noise emission sound pressure level is below 70dB(A).

2 Product Information

2.1 FCC Regulatory notices

Modification statement

Bosch Thermotechnology Corp. has not approved any changes or modifications to this device by the user. Any changes or modifications could void the user's authority to operate the equipment.

Interference statement

This device complies with Part 15 of the FCC Rules and Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Wireless notice

This device complies with FCC radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines and RSS-102 of the ISSED radio frequency (RF) Exposure rules. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. This device needs to be installed and used on distance greater than 20cm from human body.

FCC Class B digital device notice

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

2.2 Scope of delivery

[→ Figure 1 Scope of delivery, page 9]

- [1] Air purifier
- [2] Technical documentation

2.3 Product overview

[→ Figure 2, page 9 Product overview]

- [1] Housing
- [2] Filter

2.4 User interface overview (Air 1000)

[→ Figure 3, page 9 Controls overview]

- [1] Quiet mode
- [2] Auto mode
- [3] Fan speed indicator
- [4] Fan speed button
- [5] On/Off
- [6] Child lock
- [7] Filter status
- [8] Light ring

2.5 User interface overview (Air 500)

[→ Figure 4, page 10 User interface overview]

- [1] Quiet mode
- [2] Fan speed indicator
- [3] Fan speed button
- [4] On/Off
- [5] Child lock
- [6] Filter status

2.6 Product specifications

Product	
CADR	59 CFM – 100 m³/h
Effective range	91 ft² (AHAM) – up to 455 sq ft (60min)
Power supply	120 V / 60 Hz
Rated Power	20W
Standby power	<2W
Noise level	≤ 50dB (A) max. / ≤ 25 dB (A) min.
Operating conditions	41°F ~ 113°F (5°C ~ 45°C), <85% RH
Size	8.07 x 8.07 x 10.63 in / 205 x 205 x 270 mm
Weight	3.31 lbs – 1.5Kg

Table 2

3 Operation

3.1 Understanding the air quality light ring



Function available only for Air 1000.

The light ring indicates the air quality. It lights up all colors in sequence, when the air purifier is switched on. After approximately 30 seconds, the particle sensor selects the color that corresponds to the surrounding air quality of airborne particles, according to table 2.

PM2.5

PM2.5 refers to ultra-fine airborne particle pollutants smaller than 2.5 micrometers. Most of the indoor air pollutants fall under PM2.5 like: tobacco smoke, cooking and burning candles, some airborne bacteria and the smallest mold spores, pet allergen and dust mite allergen particles also fall under PM2.5.

The air quality sensor scans the air continuously to detect the ultra-fine particles. This information is reported continuously in both the digital display and the light ring, providing real-time PM2.5 feedback.

Air quality light color	Air quality level	PM2.5 level
Blue	Good	0-12
Purple	Ok	13-35
Orange	Poor	36-55
Red	Bad	>56

Table 3 Air quality light colors and PM2.5 levels

3.2 Switching ON/OFF

- ▶ Insert the plug of the air purifier in the power socket.
- ▶ Touch to switch on the air purifier.
- ▶ Press the button again, to switch off the air purifier.

Note

- For optimum purification performance, close the doors and the windows.
- Keep curtains away from the air inlet or air outlet.
- The air purifier will operate in Stand-by by default.

3.3 Changing the mode setting

Auto-mode AUTO

- Function available only for Air 1000.
- In Auto-mode, the air quality is registered in real-time, and the appliance automatically adjusts the fan speed in accordance to the ambient air quality.

Manual mode

- In Manual mode, it is possible to set the fan speed (between Speed 1 and Speed 3). Press the button to change to the desired speed.

Quiet mode

- In Quiet mode, the air purifier operates quietly at a low speed and all the lights are dimmed.

4 Cleaning and maintenance

4.1 Cleaning the housing of the air purifier

Regularly clean the inside and outside of the housing of the air purifier to prevent dust from collecting.

- ▶ Wipe the surface with a damp cloth.
- ▶ Use a soft, dry cloth to clean both the interior and exterior of the air purifier and the air outlet.

4.2 Cleaning the particle sensor

Note:

- Function available only for Air 1000.
- If the humidity level in the room is very high, condensation may develop on the particle sensor and the air quality light may indicate a poorer air quality even though the air quality is good. If this occurs, clean the particle sensor.

Clean the particle sensor every month for optimal functioning of the appliance. If the air purifier is used in a dusty environment, it may need to be cleaned more often.

- ▶ Switch off the air purifier and unplug from the power socket.
- ▶ Pull the back cover from the sensor and remove it from the appliance.
- ▶ Clean the particle sensor with a damp cotton swab.
- ▶ Dry all parts with a dry cotton swab.
- ▶ Reattach the cover of the sensor.

[→Figure 8 page 11 Air quality sensor cover]

[→Figure 9 page 11 Cleaning the air quality sensor]

Filter button and warnings

Air Purifier	Back light button
Normal operation	Switched off
Filter requires maintenance	Flashes
Filter lifetime is under 30% ^a	Yellow
Filter lifetime is over ^b	Red

a. Prepare a replacement filter.

b. Replace the filter immediately.

Table 4

4.3 Cleaning the filter



When the filter needs cleaning, the filter button backlight flashes.



CAUTION

Wear a mask and gloves when cleaning the filter surface and/or replacing the filter.

- ▶ Switch off the air purifier and unplug it from the power socket.
- ▶ Lay the appliance horizontally in a steady surface.
- ▶ Rotate and pull the bottom cover and remove the filter from the appliance.
- ▶ Clean the surface of the filter with a vacuum cleaner.
- ▶ Insert the filter back into the appliance and rotate to lock.
- ▶ Place the appliance back into vertical position.
- ▶ Insert the plug of the air purifier in the power socket.
- ▶ Touch the power button to switch on the appliance.
- ▶ Touch the filter status check/reset button .
- ▶ Wash your hands after cleaning the filter.

[→Figure 8

Removing and cleaning the filter, page 11]

4.4 Resetting the filter

When the filter indicator button turns red replace the filter immediately.

The filter may be replaced before the filter button turns red. The filter lifetime counter needs to be reset manually after its replacement:

- ▶ Long press for 3 seconds the filter button to reset the filter lifetime counter. The red back-light will switch-off.

4.5 Replacing the filter



CAUTION

Wear a mask and gloves when cleaning the filter surface and/or replacing the filter.

The air purifier is equipped with a filter replacement indicator to ensure that the air purification filter is in optimal condition when the air purifier is operating.

NOTICE

The filter must be replaced before the indicator reaches 0%. The filter is not washable or reusable once it reaches its end of life.



CAUTION

Always turn off the air purifier and unplug it from the electrical outlet before replacing the filter.

- ▶ Switch off the air purifier and unplug it from the power socket.
- ▶ Lay the appliance horizontally in a steady surface.
- ▶ Rotate and pull the bottom cover and remove it from the appliance.
- ▶ Pull the filter from the appliance.
- ▶ Remove any packaging from the new filter, and then insert it into the appliance.

- ▶ Push and rotate the bottom cover.
- ▶ Place the appliance back into vertical position.
- ▶ Insert the plug of the air purifier in the power socket.
- ▶ Touch the power button  to switch on the appliance.
- ▶ Touch and hold the filter status check/reset button  to reset the filter lifetime counter.
- ▶ Wash your hands after replacing the filter.

Note:

Do not smell the filter as it has collected pollutants from the air.

5 Moving and storage

Moving

- Use two hands to hold the appliance when moving it.

Storage

- ▶ Turn off the air purifier and unplug it from the power socket.
- ▶ Clean the air purifier, the particle sensor and the surface of the filter (→ Chapter 4 "Cleaning and maintenance", Page 5).
- ▶ Let all parts airdry before storing.
- ▶ Wrap the filter in air-tight plastic covers.
- ▶ Store the air purifier and the filter in a cool, dry location.
- ▶ Wash your hands after handling the filter.

6 Troubleshooting

This chapter summarizes the most common issues that may occur with the appliance. If the solution is not found in the table below, please contact Bosch support team.

Problem	Possible solution
The airflow that comes out of the air outlet is significantly weaker than before.	The surface of the filter is dirty. The openings in the plastic grill are clogged. Clean the surface of the filter and the plastic grill.(→ Chapter 4 "Cleaning and maintenance").
The air quality does not improve, even though the appliance has been operating for a long time.	• Check if the plastic cover is removed from the filter. • The filter has not been placed in the appliance. Make sure that the filter is properly installed. • The particle sensor is wet. The humidity level in the room is high and causes condensation. Make sure that the particle sensor is clean and dry (→ Chapter 4 "Cleaning and maintenance"). • Room size is large or the outdoor air quality is poor. For optimum purification performance, close the doors and windows when operating the air purifier. • There are indoor pollutants. For example, smoking, cooking, incense, perfume or alcohol. • Filter has reached the end of life. Replace the filter with a new one.
The color of the air quality light always stays the same.	The particle sensor is dirty. Clean the particle sensor (→ Chapter 4 "Cleaning and maintenance"). If the air quality is good, the light should be blue at all times.

Problem	Possible solution
The appliance produces a strange smell.	The first few times using the appliance, it may produce a plastic smell. This is normal. However, if the appliance produces a burnt smell even after removing the filter, contact support services. The filter may produce smell after being used for a while because of the absorption of indoor gases. It is recommended to reactivate the carbon filter by putting it in direct sunlight. If the smell persists, replace the filter.
The appliance is very loud.	• The appliance is operating at a high speed, as set in manual mode. • In Auto mode, if the appliance is too loud, it may be operating at high speed, because poor air quality has been detected. Switch to lower fan speed. • If there is an unusual sound, contact support services. • If anything drops into the air outlet, it may also cause an unusual loud sound. Immediately switch off the appliance, turn the appliance upside down, to get foreign objects out of the appliance.

Table 5 Problems and solutions

7 Online Help Resources



EN: Alternatively, please visit our Service & Support webpage to find FAQs, videos, service bulletins, and more; www.boschheatingcooling.com/service or use your cellphone to scan the code below.

8 Environmental protection and disposal

Environmental protection is a fundamental corporate strategy of the Bosch Group.

The quality of our products, their economy and environmental safety are all of equal importance to us and all environmental protection legislation and regulations are strictly observed.

We use the best possible technology and materials for protecting the environment taking account of economic considerations.

Packaging

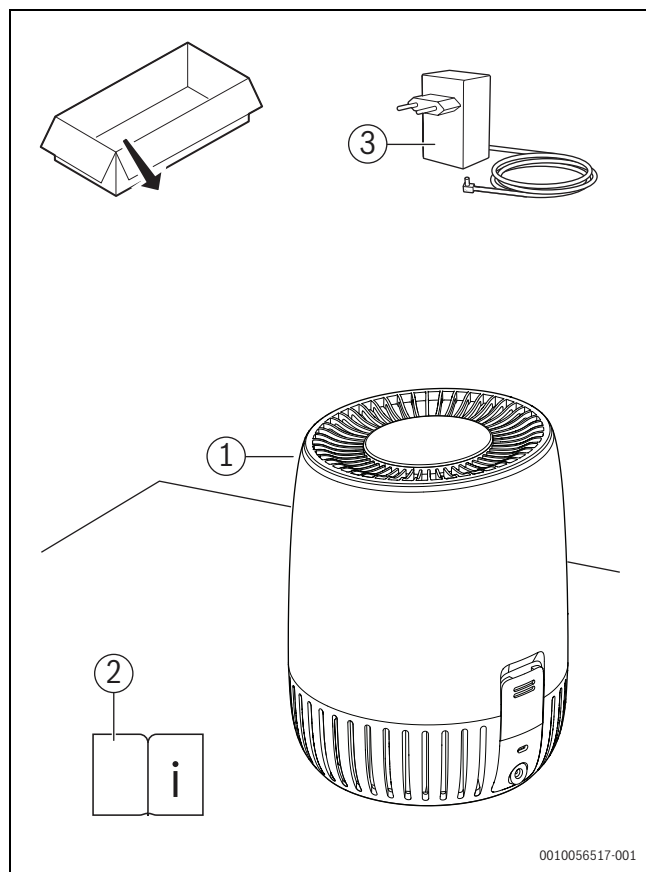
Where packaging is concerned, we participate in country-specific recycling processes that ensure optimum recycling.

All of our packaging materials are environmentally compatible and can be recycled.

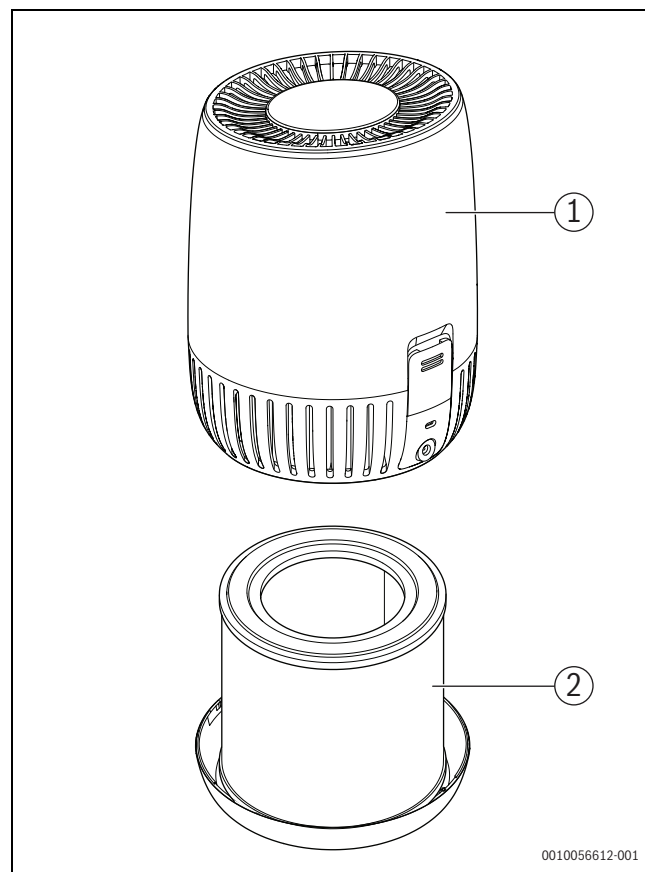
Used appliances

Used appliances contain valuable materials that can be recycled.

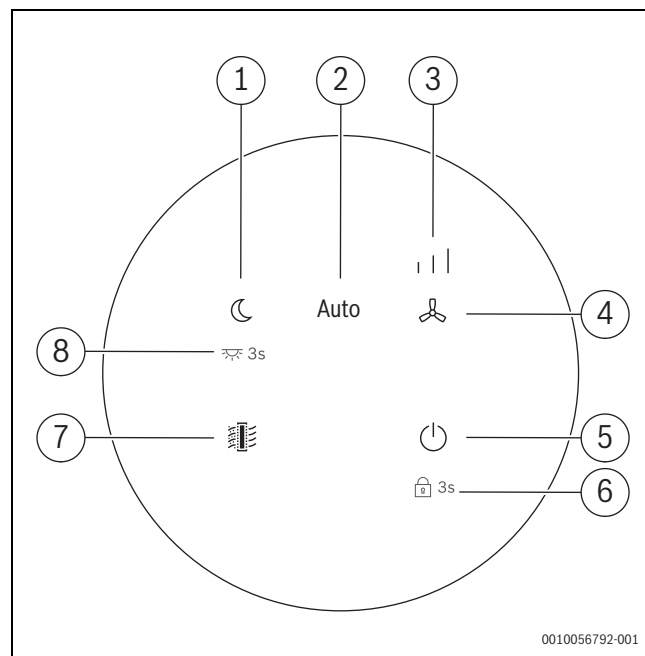
The various assemblies can be easily dismantled. Synthetic materials are marked accordingly. Assemblies can therefore be sorted by composition and passed on for recycling or disposal.



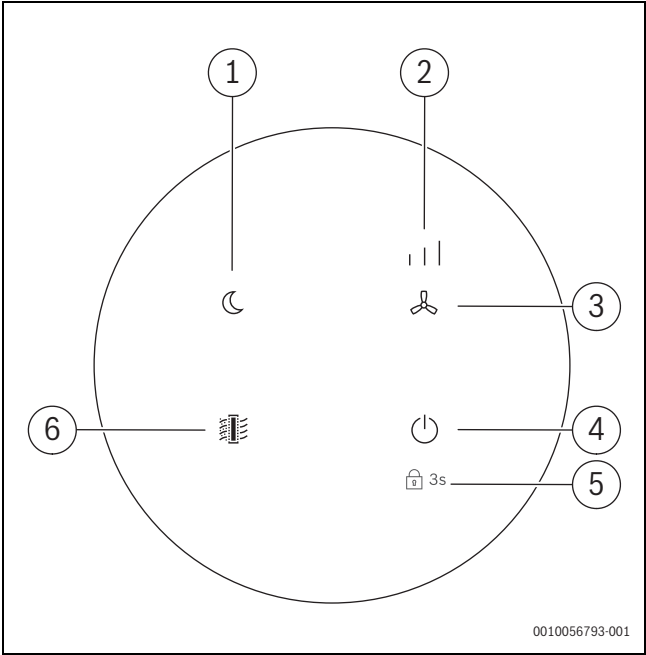
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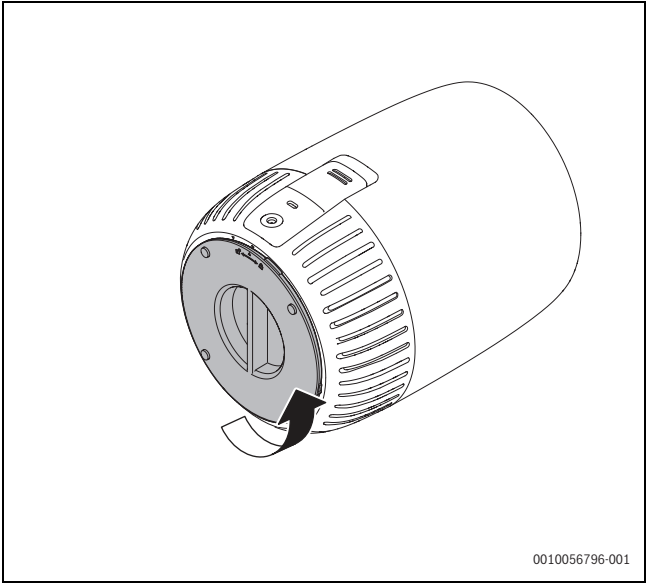
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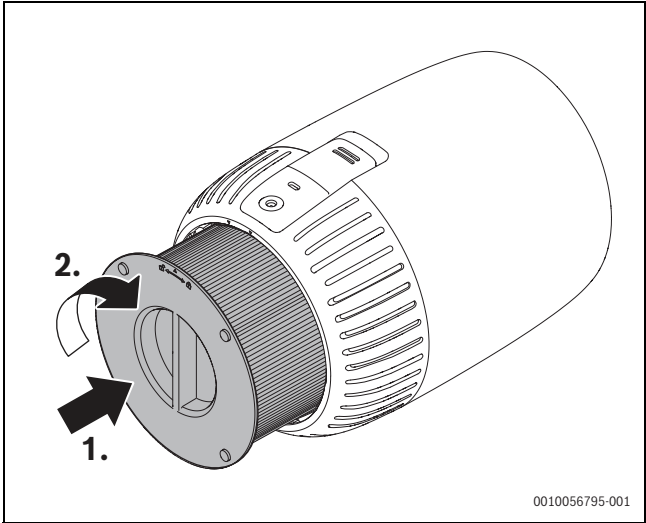
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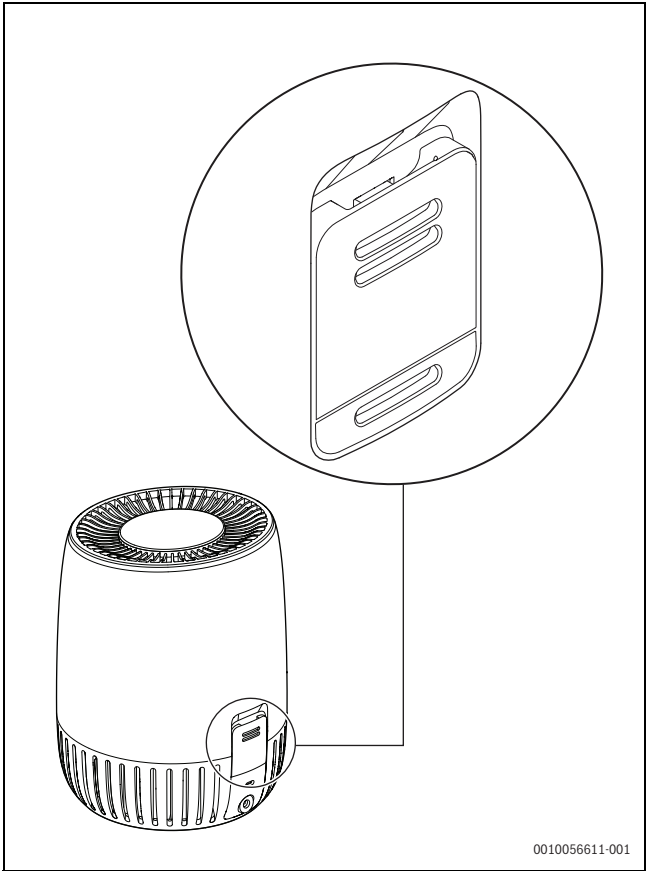
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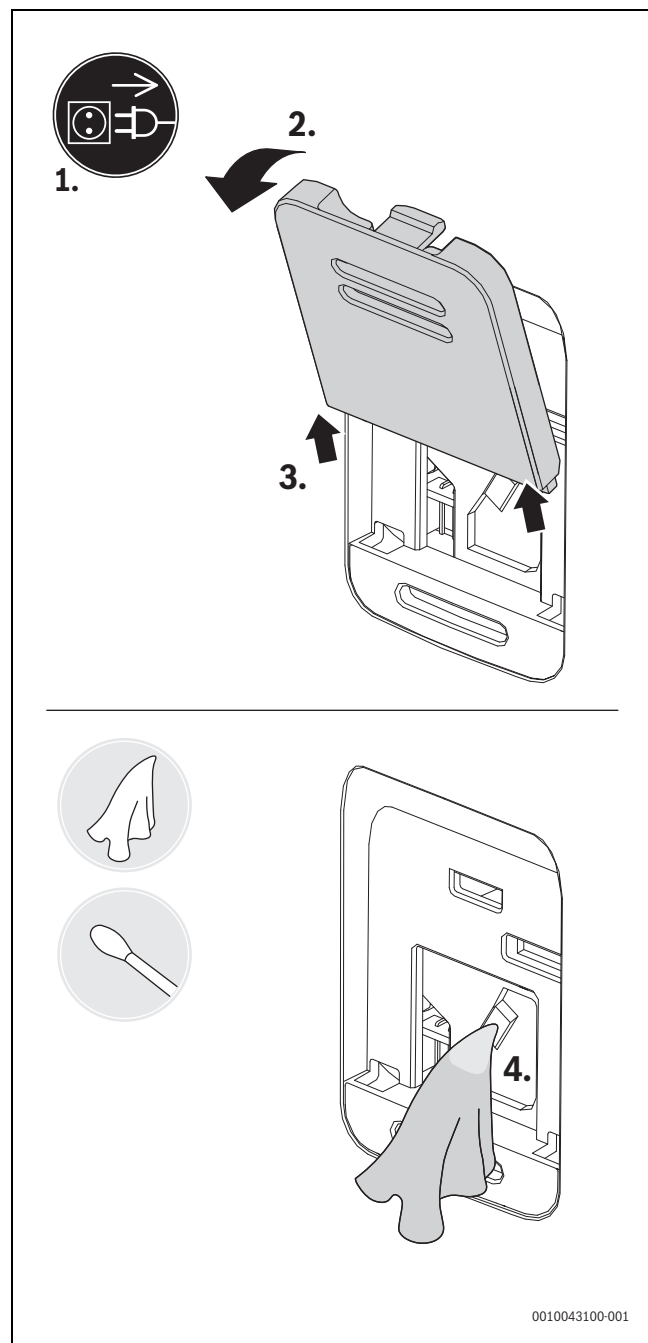
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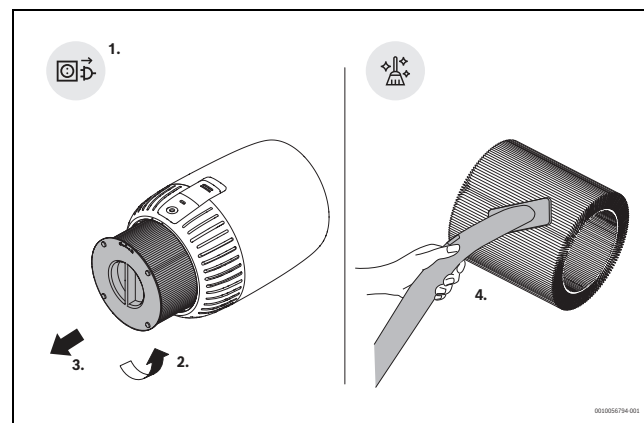
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