

Air Purifier

Operating Instructions

IDEAL AP140 PRO



EN Operating Instructions (23 – 44)

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Important safety instructions



Introduction

Thank you for choosing a device from IDEAL.

Intended use

- The device is used exclusively for cleaning the ambient air indoors.
 - Please read these operating instructions before starting to use the device and please follow the safety instructions.
- The operating instructions must be kept available with the device at all times.



Important safety instructions

Read and save these instructions:

- Please follow the safety instructions to prevent fire, electric shock and injury to persons associated with use of the appliance.
- Only use the device indoors.
- Only use a wall socket that supplies the correct voltage (see rating plate).
- Do not modify or repair the device.
- Do not use the device if the power cable or mains plug is damaged or if the connection at the wall socket is not stable.
- Make sure that the power cable does not get crushed while you are using the device and that it cannot be damaged in any other way. Place the cable so that no one will trip over it. Do not place the power cable under strain.
- Disconnect the plug from the wall socket for cleaning purposes, before servicing and whenever the device is not in use for a significant period of time.
- Do not touch the plug or the device if you have wet hands.
- Keep packing material, such as plastic wrapping, away from children! (Risk of suffocation)
- Place the device at least 10 cm away from the wall.
- Keep the device away from areas subjected to draft (wind).
- Make sure that furniture, fabrics or other objects do not come in contact with the air intake/outlet or block them.
- Place the device on a stable, even surface and make sure there is sufficient air circulation.
- Do not spray any insect repellent.
- Do not use in rooms where the device may come into contact with fuel vapour or metal dust.
- Do not use any volatile liquids, petroleum, kerosene, paint thinner or polishing paste to clean the device. Such liquids may damage the surface of the device.
- Do not expose the device to rain, water, moisture or high humidity, and do not set it up in a bathroom or kitchen next to a sink.
- Make sure that no foreign objects get into the outlet grilles.
- Do not use near an open fire or sparks.
- The device is not suitable for removing harmful gases (carbon monoxide, e.g. from heating appliances).
- The appliance is not to be used by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction.

Important safety instructions



Important safety instructions

- Children being supervised not to play with the appliance.
- Do not block the air intake and outlet.
- Keep this air purifier away from direct sunlight, naked flames or heat.
- Only use the air purifier in closed interiors and within the specified technical parameters. Improper usage may pose a threat to life and health.
- Do not use the unit near a fire alarm. If the outlet air is blowing towards a fire alarm, the alarm may respond late or not at all.
- Disconnect the mains plug prior to any cleaning or maintenance work.
- Replace the filter cartridge as soon as the filter replacement indicator lights up. The average life expectancy of the filter is approx. 1 year (depending on operation and purification activities).
- Clean the air purifier housing with a lint-free cloth moistened with soapy water.
- Clean the filter cartridge's pre-filter with a vacuum cleaner.
- Do not use any solvents. These could damage the housing surface.
- Protect the air purifier from water.
- Do not use any substances containing silicone, since this could destroy the air quality sensor.
- Do not test the effectiveness of the air quality sensor with high quantities of gas, or alcohol, since this could destroy the air quality sensor.
- Clean the textile cover with a vacuum cleaner.
- If necessary, the textile cover can also be washed by hand (please refer to the care instructions on the label).
- WARNING: Chemical Burn Hazard. Keep batteries away from children.
- This product contains a lithium button/coin cell battery. If a new or used lithium button/coin cell battery is swallowed or enters the body, it can cause severe internal burns and can lead to death in as little as 2 hours. Always completely secure the battery compartment. If the battery compartment does not close securely, stop using the product, remove the batteries, and keep it away from children. If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.



Caution

Risk of injury due to electric shock.

Always disconnect the mains plug prior to:

- Carrying out maintenance work or cleaning
- Moving the device
- Changing the filter



Danger

- Do not use any spray cans with flammable content near to the Air Purifier!



Danger

- Do not use any flammable cleaning agents.

Important safety instructions

Important informations about batteries

⚠ WARNING	
• INGESTION HAZARD: This product contains a button cell or coin battery. • DEATH or serious injury can occur if ingested. • A swallowed button cell or coin battery can cause Internal Chemical Burns in as little as 2 hours. • KEEP new and used batteries OUT OF REACH of CHILDREN • Seek immediate medical attention if a battery is suspected to be swallowed or inserted inside any part of the body.	

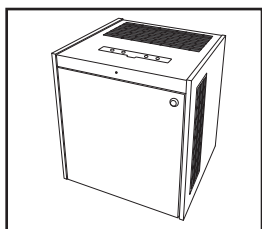
- Remove and immediately recycle or dispose of used batteries according to local regulations and keep away from children. Do NOT dispose of batteries in household trash or incinerate.
- Even used batteries may cause severe injury or death.
- Call a local poison control center for treatment information.
- Always use 3V lithium batteries CR2025.
- Non-rechargeable batteries are not to be recharged.
- Do not force discharge, recharge, disassemble, heat above (manufacturer's specified temperature rating) or incinerate. Doing so may result in injury due to venting, leakage or explosion resulting in chemical burns.
- Ensure the batteries are installed correctly according to polarity (+ and -).
- Do not mix old and new batteries, different brands or types of batteries, such as alkaline, carbon-zinc, or rechargeable batteries.
- Remove and immediately recycle or dispose of batteries from equipment not used for an extended period of time according to local regulations.
- Always completely secure the battery compartment. If the battery compartment does not close securely, stop using the product, remove the batteries, and keep them away from children.

Product features / Included in the box

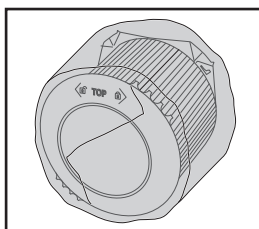
Product features

- **Filter replacement indicator:**
An illuminated red replacement indicator on the air purifier indicates that the filter cartridge needs to be replaced.
 - **Air purification in 5 speed settings**
 - **2-stage air purification system:**
Pre-filter, HEPA filter
 - **360° filter (Pre-filter, HEPA)**
Easy maintenance and replacement of the filter cartridge.
-

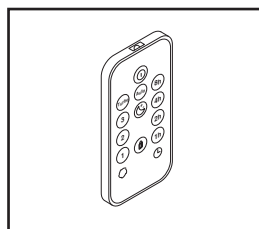
Included in the box



Air Purifier
(including filter cartridge)

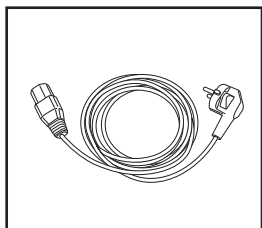


Filter cartridge

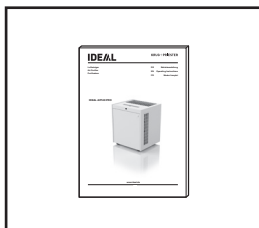


Remote control

- With self-adhesive magnetic film
- With 3V lithium battery



Power cable

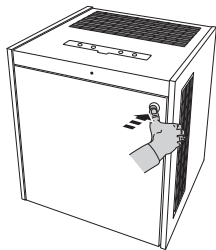


Printed operating instructions

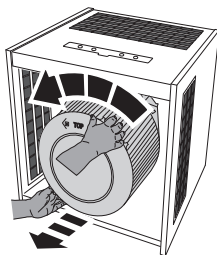
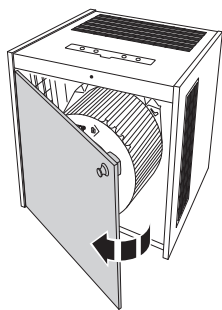
Setting up

Installation guidelines for optimum performance:

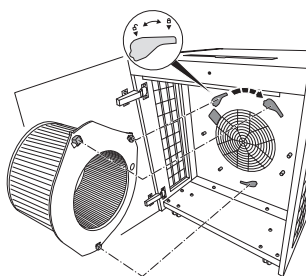
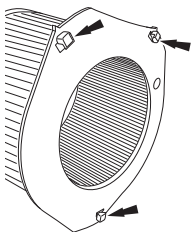
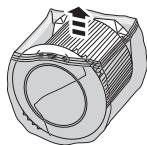
- Place the device at least 10 cm away from the wall.
- Keep the device away from areas subjected to draft (wind).
- Make sure that furniture, fabrics or other objects do not come in contact with the air intake/outlet or block them.
- Place the device on a stable, even surface and make sure there is sufficient air circulation.



Unlock the door by pressing the push lock, the door knob appears.

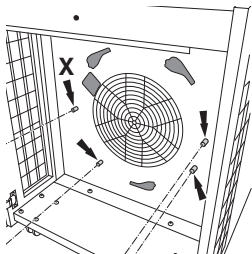


Open the door by means of the door knob.
Hold the filter cartridge with both hands using the recessed grips provided and turn it anti-clockwise .
Take out the filter cartridge and remove the protective film.



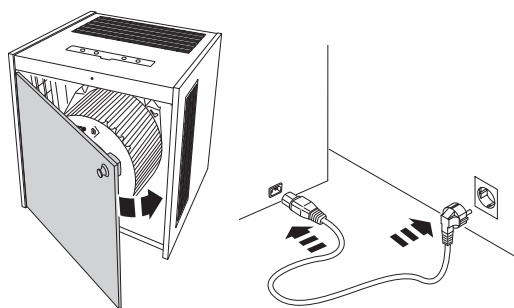
Insert the filter cartridge with the three tabs in the notches provided and lock in position by turning clockwise .

Setting up

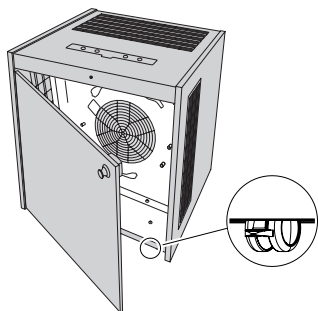


Tip:

For this, the filter cartridge can be placed on the assembly pins (X).



Close the door and lock it by pressing the push lock. Connect the power cable to the device first, then to the socket.

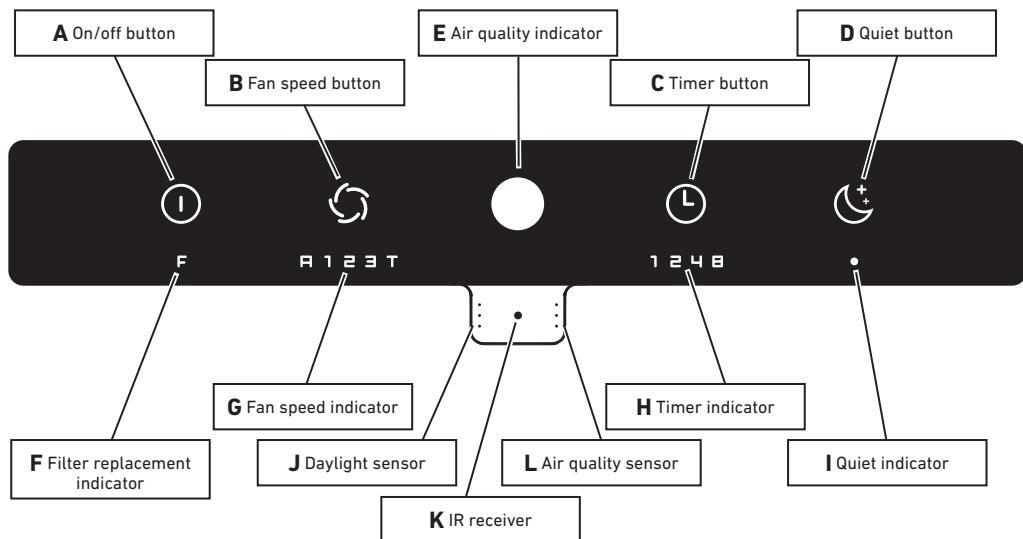


⚠ Safety informations

Operating the air purifier without panels and protective covers (motor protection grille, ventilation outlet grille, door, etc.) fully and securely attached is not permitted.

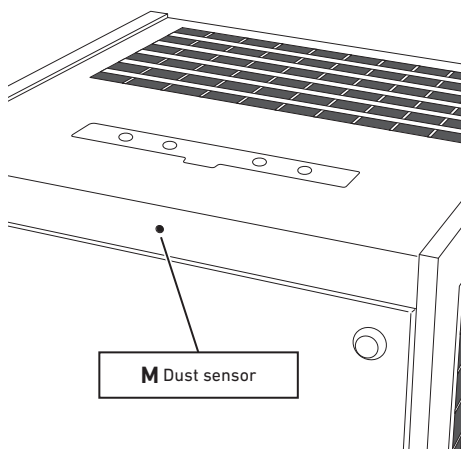
Use two lockable swivel castors to secure the device from rolling away. Make sure the swivel castors are unlocked before moving the device!

Control panel

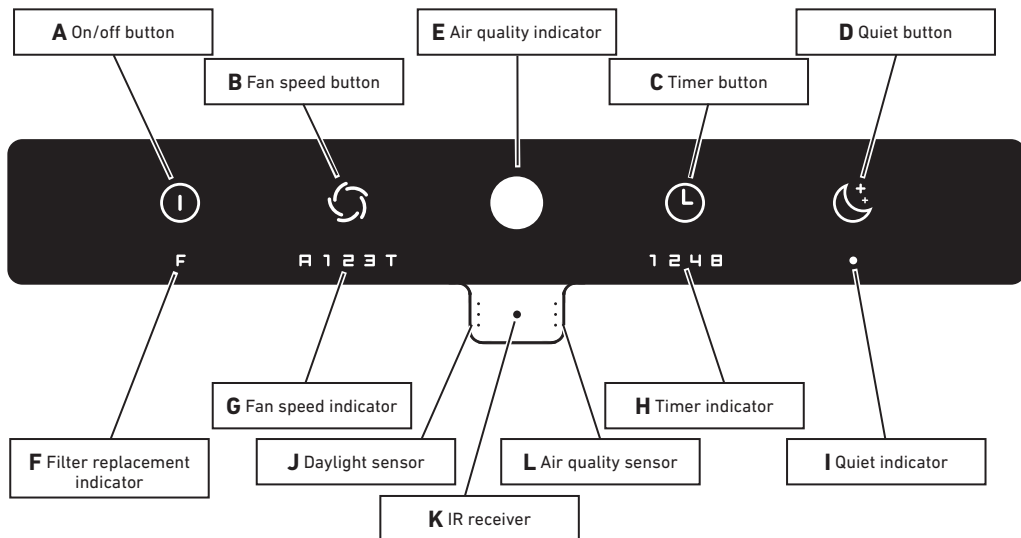


Note:

The air quality sensor (**L**) is recalibrated the first time you switch it on (**A**) and after being disconnected from the mains power supply. Once the air quality sensor has been calibrated, the air purifier always starts in automatic mode. If the filter cartridge is missing, the filter replacement (**F**) and air quality indicators (**E**) flash red alternately.



Control panel



Fan speeds

- Press the on/off button (**A**) to switch the air purifier on or off.
- The air purifier runs in automatic mode **A**. In automatic mode, the fan speed (**G**) automatically adapts to the measured air quality. The worse the air quality, the higher the fan speed.
- Press the fan speed button (**B**) to exit automatic mode. The air purifier now runs at fan speed **1**. Press again to increase the fan speed to **2**. Press again to increase the fan speed to **3**, or to the turbofan speed **T**.
- The turbo speed setting for fast purification of the ambient air requires the air purifier to run at maximum capacity. This can only be selected manually.

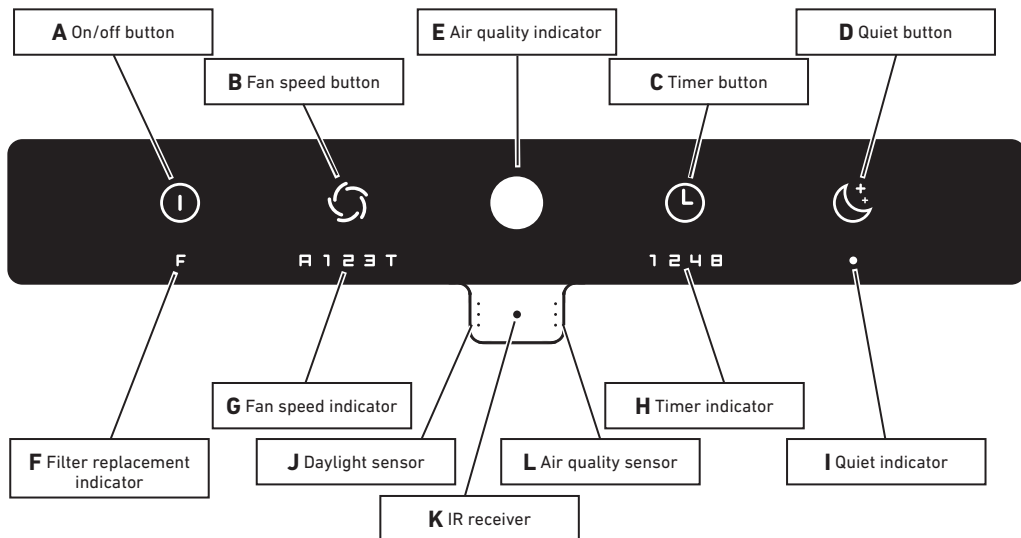
Timer functions

Pressing the timer while the air purifier is switched on activates the "switch-off timer" → after the set time, the air purifier switches off:

- Switch the air purifier on (on/off button **A**).
- Press the timer button (**C**) to activate the timer. Press repeatedly to increase the timer time: **1** (h) → **2** → **4** → **8**. Each number lights up in turn. Press the timer button again (no number lights up) to disable the timer function.
- The timer indicator counts the respective time with (→ Countdown). The remaining time is displayed.

Pressing the timer button while the air purifier is switched off activates the "switch-on timer" → after the set time, the air purifier switches on.

Control panel



Quiet function

The Quiet button (**D**) is provided for particularly low-noise, unobtrusive operation (e.g. bedrooms). Press the Quiet button (**D**) to switch the fan speed (**G**) to its lowest capacity and switch off all indicators. Only the Quiet indicator (**I**) is dimly lit.

Air quality indicator (E)

The air quality is displayed in 3 colours:

Green: good air quality

Yellow: average air quality

Red: poor air quality

Filter replacement indicator (F)

An illuminated red "F" on the control panel indicates that the filter needs replacing.

- The life expectancy of the filter is approx. 1 year (depending on operation and purification activities).
- Only use original IDEAL filter cartridge. The device will only function with an original IDEAL filter cartridge.

Daylight sensor (J)

The display brightness is automatically adjusted to the ambient light.

IR receiver (K)

Receives the signals from the remote control.

Air quality sensor (L)

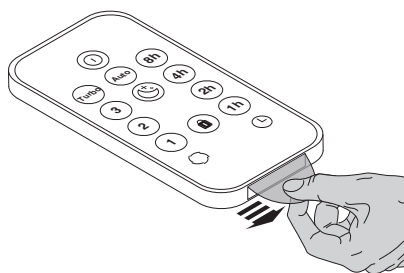
Remote control

Battery usage

- Always use 3V lithium batteries CR2025 for the remote control.
- Incorrect battery usage may result in leakage of battery fluid and/or damage.
- If the remote control is not going to be used for a long time, please remove the battery.

Unsuitable location

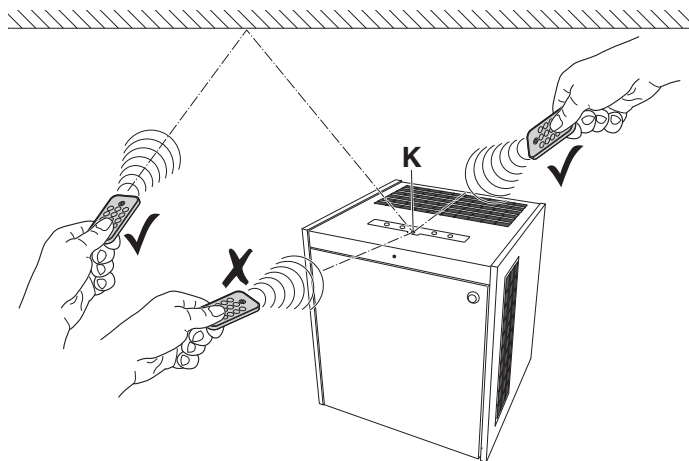
- Make sure that no objects or furnishings are situated between the remote control and the air purifier.
- The air purifier should not be placed in direct sunlight. This could impair the infrared sensor.
- Locations where fluorescent tubes are flickering because they are defective or old.
- Do not store the remote control in direct sunlight and/or close to radiators/heaters.
- **When using for the first time**



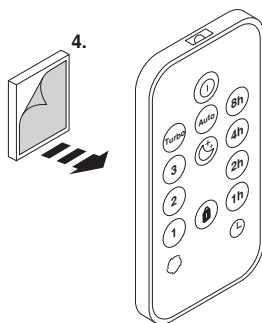
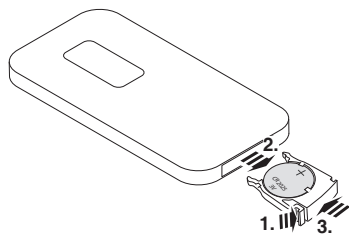
The remote control has a pre-installed lithium battery CR2025. **Remove the protective flap** to activate the remote control battery.

How to use correctly

- Point the remote control at the air purifier (IR receiver **K**).



Remote control



Replacing the battery

- Open the battery compartment by pressing (1.) and pulling out (2.) at the same time. Take out the flat battery.
- Insert a new battery into the battery compartment, making sure the polarity is correct (+ / -).
- Always use 3V lithium batteries CR2025.
- Slide the battery compartment back into its seating (3.).

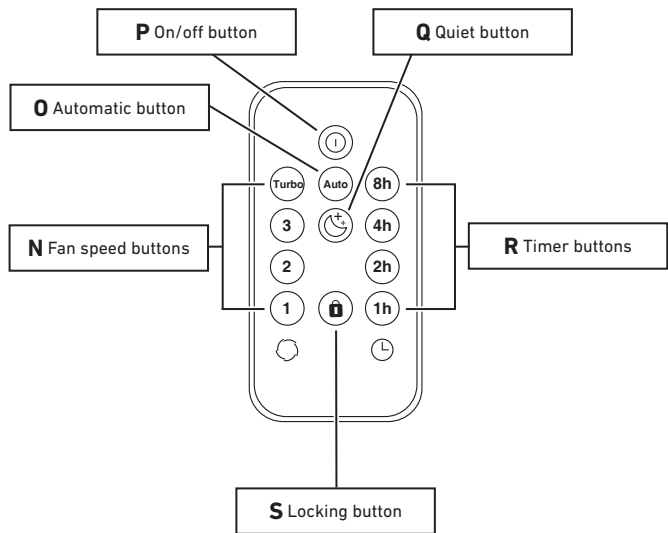
The remote control comes with a self-adhesive magnetic film (4.). If required, this can be stuck on the back of the remote control. With the magnetic film stuck on it, the remote control can easily be attached to any ferromagnetic surface (e.g. on the back of the air purifier).

Important information about the batteries and how to dispose of them

Batteries must NOT be disposed of with household waste. As the user, you are legally obligated to return used batteries for proper disposal. You can hand in your batteries at public collection points in your community or wherever the same type of batteries are sold.

- It is very important that you make sure that the polarity of the batteries is correct. Wrongly inserted batteries could destroy the device – a fire hazard.
- Do not try to open or damage batteries and do not throw batteries into a fire.
- Batteries that are leaking fluid are dangerous. Only touch these with suitable gloves.
- Keep batteries out of the reach of children.
- Take the batteries out of the device if you are not going to be using it for a significant period of time.
- The cells shall be disposed of properly, including keeping them away from children.
- Even used cells may cause injury.

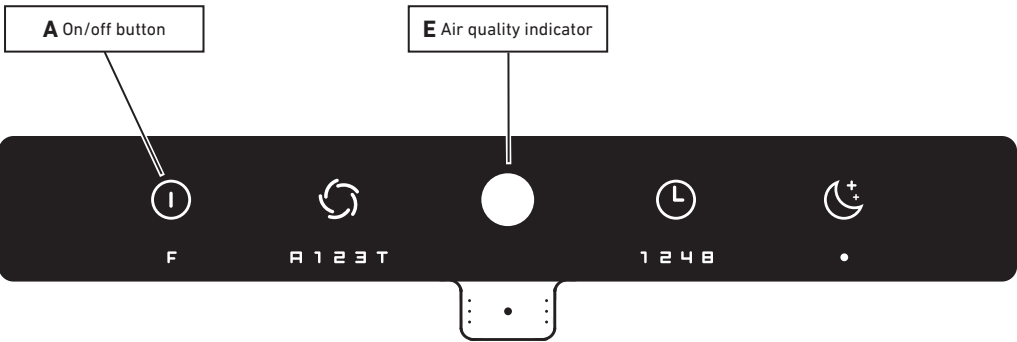
Remote control



Function

- N:** Select the required fan speed (fan speed icon).
- O:** Switches the air purifier to automatic mode (square icon).
- P:** Switches the air purifier on/off (power icon).
- Q:** Switches the air purifier to Quiet mode (moon icon).
- R:** Select the required timer time (timer icon).
- S:** Press the locking button (lock icon) to lock the buttons on the control panel (air purifier). Press the locking button again to unlock. The lock can also be removed by disconnecting the air purifier from the mains or by pressing and holding down the on/off button (**A**) on the device.

Note:
When you operate the remote control, the air quality indicator (**E**) lights up for approx. 1 second in acknowledgement. If you operate a button on the control panel (air purifier) while the locking function is activated, the air quality indicator (**E**) lights up briefly in red.

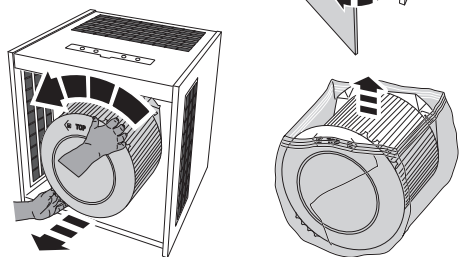
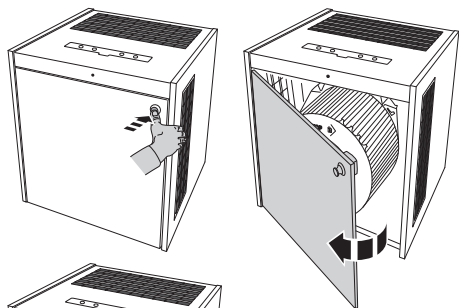


Changing the filter

Filter replacement (e.g. in accordance with the filter replacement indicator **F**) **Note:** Only original IDEAL filter cartridges may be used. No tools are required to replace the filter cartridge.

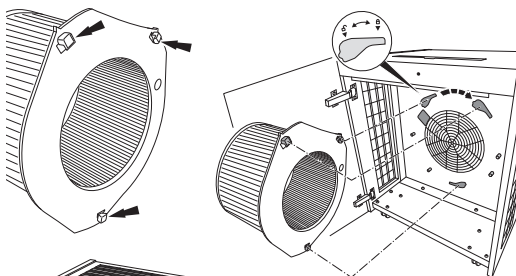
 **CAUTION: Disconnect the mains plug!**

Unlock the door by pressing the push lock, the door knob appears. Open the door by means of the door knob.



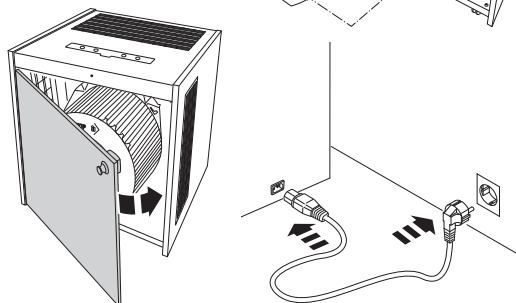
Hold the spent filter cartridge with both hands using the recessed grips provided and turn it anti-clockwise .

Remove the filter cartridge.



Insert the new filter cartridge (remove the protective foil beforehand) with the three snap-fit tabs into the recesses provided for this purpose and lock it by turning it clockwise .

For this, the filter cartridge can be placed on the assembly pins.



Close the door and lock it by pressing the push lock. Connect the power cable to the device first, then to the socket.

Note:
The air purifier automatically detects that a new IDEAL filter cartridge has been inserted and automatically resets the filter replacement indicator.

Cleaning and maintenance / Accessories

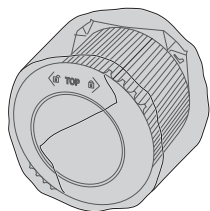
Cleaning and maintenance

 **CAUTION: Disconnect the mains plug prior to any cleaning or maintenance work!**

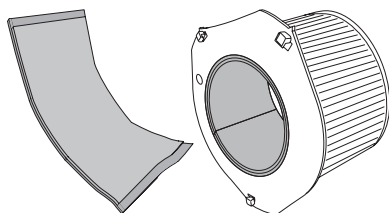
- Replace the filter cartridge as soon as the filter replacement indicator lights up. The average life expectancy of the filter is approx. 1 year (depending on operation and purification activities).
- Clean the air purifier housing with a lint-free cloth moistened with soapy water.
- Clean the control panel with a dry, lint-free cloth.
- Clean the openings for the air quality sensor and the dust sensor with a vacuum cleaner.
- Clean the air intake ducts and the interior of the air purifier with a vacuum cleaner.
- Clean the filter cartridge's pre-filter with a vacuum cleaner. To do this, remove the filter cartridge.
- Do not use any solvents. These could damage the housing surface, the control panel and the air quality sensor.
- Protect the air purifier from water.
- Do not use any substances containing silicone, since this could destroy the air quality sensor.
- Do not test the effectiveness of the air quality sensor with high quantities of gas, or alcohol, since this could destroy the air quality sensor.

Accessories

You can source accessories via your dealer or at **www.mbmcorp.com**.



IDEAL filter cartridge



Activated carbon inlay*

*not included in delivery

Troubleshooting

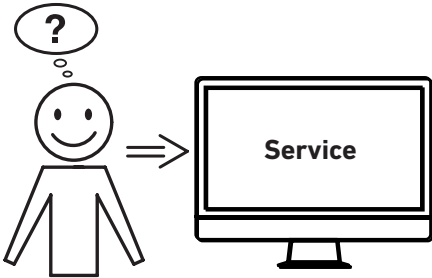
The air purifier won't switch on.	Is the power cable securely connected to the back of the device? → Make sure that the power cable is not damaged in any way. → Check both ends of the power cable. Make sure that these are plugged in and that the purifier is connected to the power supply . Has a filter cartridge been inserted? Is the filter cartridge inserted correctly? → Make sure that an original IDEAL filter cartridge is inserted. → Make sure that the filter cartridge is clicked in place with all 3 tabs and is fully locked
The buttons on the air purifier do not work. The buttons on the remote control do not work.	Has the locking function been activated? → Disable the locking function on the remote control (function S, page 35). → Unplug the power cable and then plug it back in. Is the battery in the remote control? Or is it flat? → Check the battery (3V lithium CR2025). Is the IR receiver dirty? → Clean the IR receiver with a dry, lint-free cloth. Are you using it correctly? → Point the remote control at the air purifier (page 33). → Having joined the power cord or exchanged the filter, the function of the remote control is blocked for about 10 seconds

Troubleshooting

The indicators on the control panel do not light up at all.	Is the air purifier switched on? → Switch the air purifier on by pressing the on/off button. Has the Quiet function been activated?→ Disable the Quiet function by pressing the Quiet button.
Automatic mode is not working properly.	The air purifier calibrates the air quality sensor. This happens when you first switch it on and after disconnecting it from the mains. → Wait until the calibration process has been completed (this may take a few minutes) The air quality sensor is dirty. → Clean the openings for the air quality sensor L, dust sensor M, the air intake ducts and the interior of the air purifier (where the filter cartridge is located) with a vacuum cleaner. The air quality sensor is not detecting the air quality reliably → Calibrate the air quality sensor by briefly disconnecting it from the mains again!
The air purifier is not running / filter replacement indicator (F) lights up red and the fan stage the fan speed indicator (G), the speeds stages "1" flash alternately with "2 and 3".	Is the fan (rotor) possibly blocked by a foreign object? → Remove the foreign object. The electronics recognise the rotation signal of the of the rotating fan (rotor). → Contact: Service • www.mbmcorp.com

Troubleshooting

The air purifier is making loud noises.	Is the filter cartridge really dirty? → Clean the pre-filter with a vacuum cleaner. Is the air purifier located on an even surface? → Place the device on an even surface. Is the air purifier running at a high fan speed?→ Use the fan speed button to set a lower fan speed.
In bright environments, the indicators on the air purifier control panel are too dark.	Is the daylight sensor dirty? → Clean the relevant section on the control panel! The display intensity automatically adapts to its surroundings.



Did none of the specified solutions help you with your problem?

→ Contact: Service

• www.mbmcorp.com

Technical data

IDEAL AP140 PRO:

Power supply	200-240V-50/60Hz / 100-120V-50/60Hz
Power consumption	175W (200-240V) / 175W (100-120V)
Suitable for rooms	120 to 160 m ² *
Air flow rate (max.)	1500 m ³ /h
Dimensions (L × W × H)	633 × 562 × 725 mm
Weight	51 kg
Volume at turbofan speed T (max.)	60 dB(A)
Volume in Quiet mode  (min.)	17,5 dB(A)

Subject to technical changes.

* For a room height of 2.50 m



The company Krug + Priester has the following certifications:

- Quality management system according to DIN EN ISO 9001:2015
- Environmental management system according to DIN EN ISO 14001:2015
- Energy management system according to DIN EN ISO 50001:2018

Storage

We recommend storing the air purifier in its original packaging in a cool, dry place.

Spare parts and accessories

You can source spare parts via your dealer or at **www.mbmcorp.com**.

Only use the manufacturer's original parts.

Repairs

Repairs must only be carried out by qualified experts or the customer service department.

This also applies if you have a defective power cable. Any attempt by untrained persons to perform repairs may pose considerable risk to the user and invalidate the warranty.

Disposal

This device must not be disposed of with household waste! Please hand this device in at the collection points provided! Collecting and recycling electrical and electronic waste conserves valuable resources!

The packaging material can be recycled.

Dispose of the packaging in an environmentally friendly manner and take it to the recyclable waste collection.

Thanks!





This machine is GS-tested and conforms to the following EC guidelines:

- 2014/35/EU for electrical safety
- 2014/30/EU for electromagnetic compatibility.
- 2011/65/EU, 2015/863/EU RoHS.

For specific technical data, please refer to the information on the identification plate of the machine.

To file a warranty claim, the device must still bear its original identification plate.

Subject to technical changes.



EC-declaration of conformity

- Herewith we declare that



LISTED

AIR FILTER E521191



	GS-IDENT. No.	UL-IDENT. No.
IDEAL AP140 PRO Made in Germany	11732001	10732001

- complies with the following provisions applying to it

2014/35/EU

Low voltage directive

2011/65/EU, 2015/863/EU

RoHS directive

2014/30/EG

EMV Electromagnetic compatibility directive

- Applied harmonised standards in particular

**IEC 61000-3-2; IEC 61000-3-3;
EN 61000-3-2; EN 61000-3-3; EN 60335-2-65; EN 60335-1;
EN ISO 13857; EN 55014-1; EN 55014-2
BS EN 55014-1; BS EN 55014-2 ;
BS EN 61000-3-2; BS EN 61000-3-3;
BS EN 60335-2-65; BS EN 60335-1; BS EN ISO 13857-1**

09.02.2022
Date

Authorized representative for technical documentation:

- Managing Director -

Krug & Priester GmbH & Co. KG
Simon-Schweitzer-Str. 34
D-72336 Balingen (Germany)



Supplier's Declaration of Conformity 47 CFR § 2.1077 Compliance Information

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Manufacturer: KRUG + PRIESTER GMBH & CO KG
Simon-Schweitzer-Straße 34
72336 Balingen, Germany

U.S. Responsible Party: MBM Corporation
3134 Industry Drive
North Charleston SC, 29418
Tel: 843-552-2700
Mail: info@mbmcorp.com

Trade Name: IDEAL

Models: AP 30/ 40/ 60/ 80/ 140 PRO

Classification: FCC Part 15B

We hereby declare, that the equipment bearing tradename and model number specified above was tested conforming to the applicable FCC rule part(s) 15B and the most accurate measurement standards. We confirm that the necessary steps have been taken and are in force to assure that the production units of the same equipment will continue to comply with the Commission's requirements.

Krug + Priester GmbH & Co KG

NOTE: 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.

To ensure compliance with FCC and ISED RF exposure requirements this device must be installed to provide a minimum of 20cm between the device and people.

Notizen:
Remarks:
Notes :

Notizen:
Remarks:
Notes :

