

asecos[®]

AirOne

***Bedienungsanleitung
Operating Instructions***

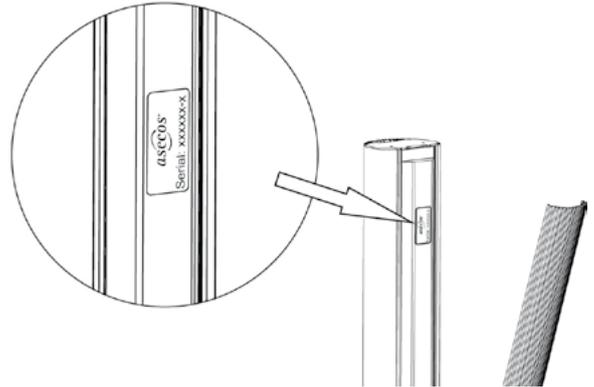


1. Development and manufacture

asecos® GmbH
Safety and environmental protection
D-63584 Gründau

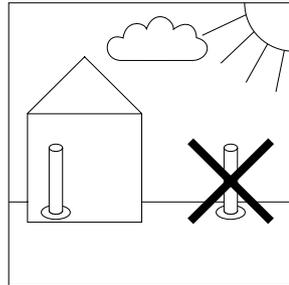
2. Serial number

The serial number can be found on the inside of the AirOne air purifier.

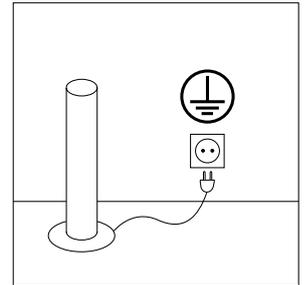


3. Safety information

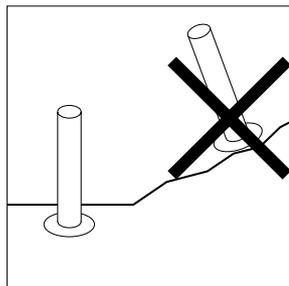
AirOne may only be used in enclosed, dry areas.



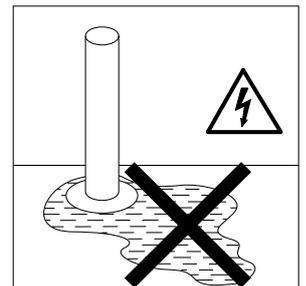
An earthed mains connection must be available in the installation room.



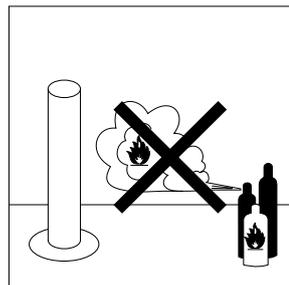
The appliance must be installed on an even, level surface.



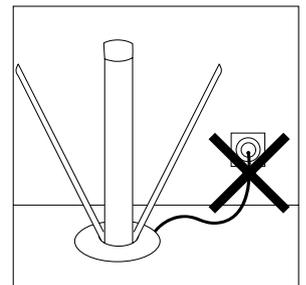
Do not allow AirOne to come into contact with water or other liquids.



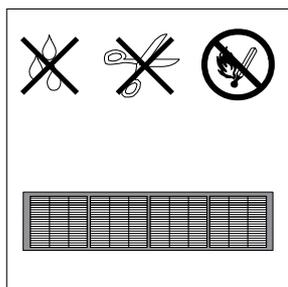
Do not allow AirOne to come into contact with flammable gases/vapours (e.g. from aerosol cans).



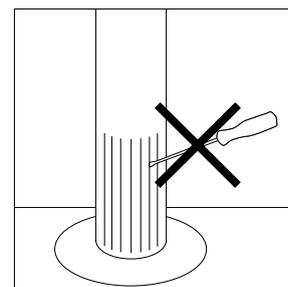
AirOne may only be operated in a fully assembled condition; the mains plug must be unplugged when carrying out a filter change or other assembly work.



Modifications of any kind to the filter are to be avoided, as otherwise the proper, trouble-free operation can no longer be guaranteed and the appliance may be damaged.



Please do not insert any pointed objects into the air inlet or outlet, as this can lead to damage to the filter modules and other components.



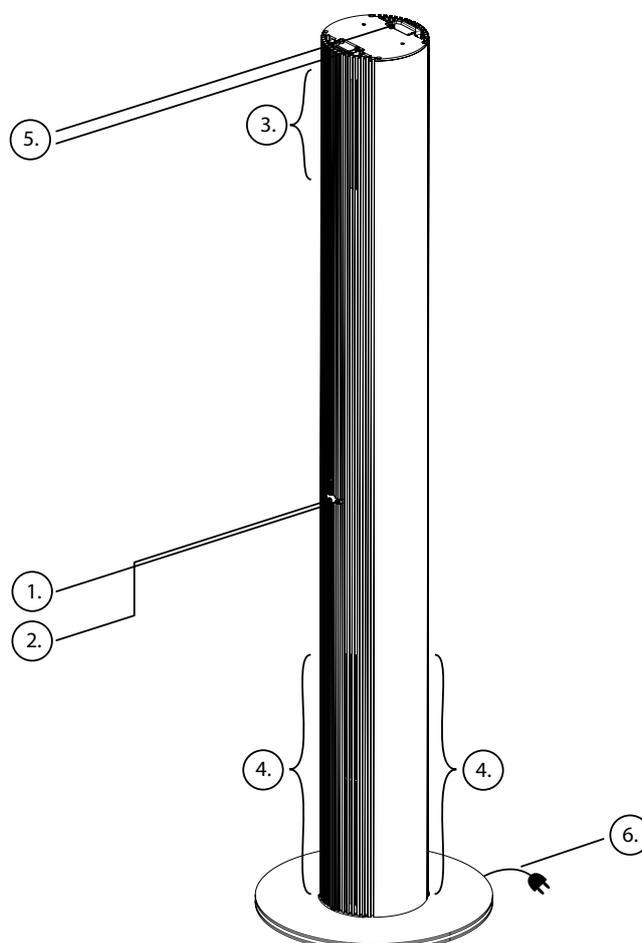
The mains plug is at the same time the mains switch and should always be easy to reach for safety reasons, as your AirOne can only be switched off by disconnecting the mains plug. Furthermore, the mains cable may not be replaced or shortened without permission.

4. Property rights

A variety of commercially property rights have been registered in order to protect the innovation, construction and design

5. Commissioning and operation of AirOne

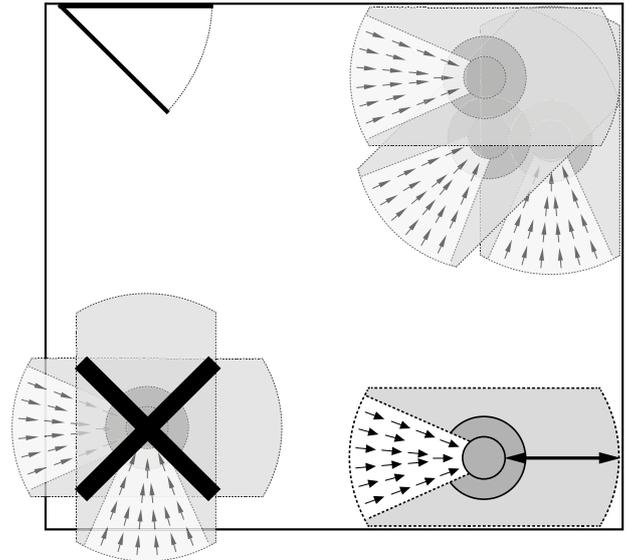
1. Status LED
2. Sensor switch: Standby, Stage 1, Stage 2
3. Air inlet (one side)
4. Air outlet (both sides)
5. Grips
6. Power cable and mains plug



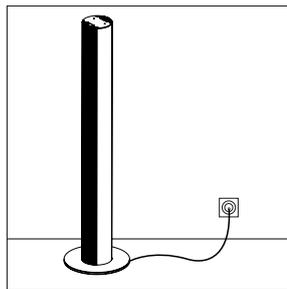
AirOne should be installed in the room such that the air inlet does not face towards a wall or the like. Also, the position should be selected such that a minimum distance of about 400 mm is maintained, as this is required for the filter change.

For an optimum result in the purification of air laden with tobacco smoke in smoker's areas, we recommend a 16 to 20-fold air recirculation/hour. With an average room height of 2.50 m this is equivalent to an area of about 8 m² (e.g. W x L 2.50 m x 3.20 m).

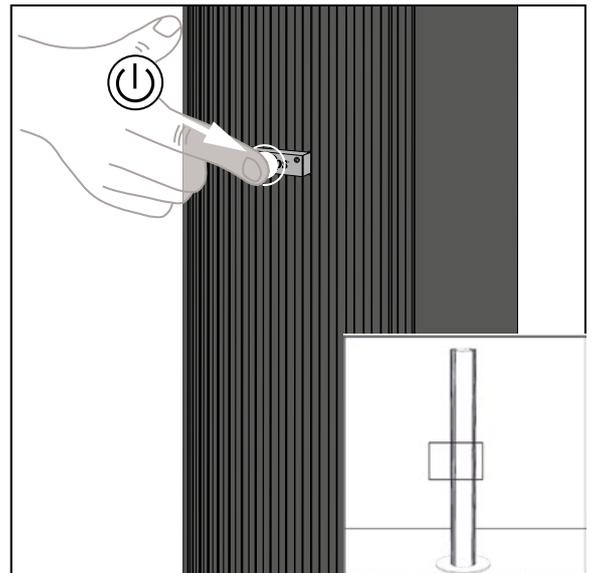
More appliances are to be used accordingly in larger rooms!



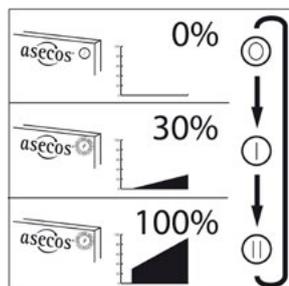
After plugging into an earthed socket, AirOne generally carries out a self-test first (about 30 seconds). After that the appliance begins operating at Stage 1 (Regular Power) and the Status LED lights up orange.



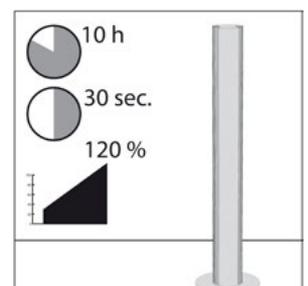
Touching the asecos touchpad will switch your AirOne to Stage 2 (Extra Power) and the LED then turns green. Touching again will switch your AirOne to Stage 0 (Standby mode) and the LED then turns red. To protect the appliance against overheating, the AirOne switches off automatically after a lengthy period of operation in Extra Power mode.



Touching the outer shell of the asecos touchpad once more is sufficient to place the appliance in Standby mode again.



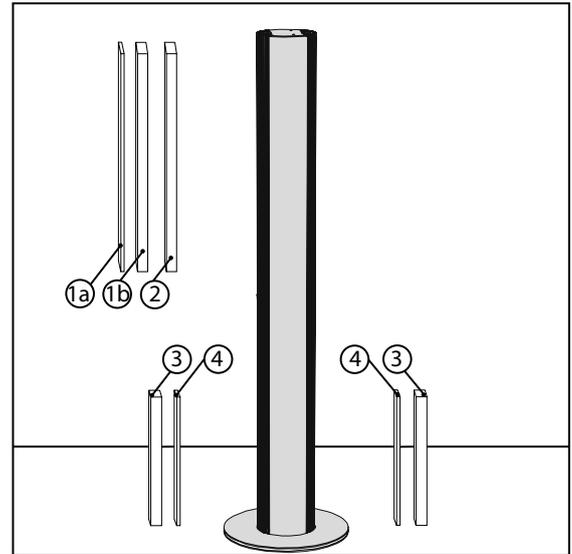
Test mode:
AirOne checks the filter saturation every 10 operating hours; in order to do this, it switches the power to 120% for about 30 seconds.



6. Functional checks, care and maintenance, fault finding

Filter overview:

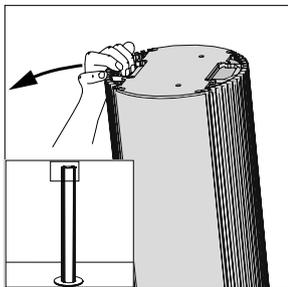
- 1a Coarse filter
- 1b Fine filter (yellow)
- 2 HEPA filter (white)
- 3 Active carbon filter
- 4 Aldehyde filter



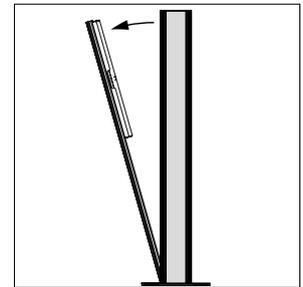
Opening AirOne:

When replacing the filters in your AirOne, the appliance should first be switched to Standby mode and only then should the mains plug be disconnected.

Opening AirOne:



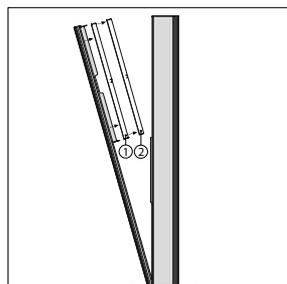
To open the appliance, reach inside the grip recess on the top of the cover of your AirOne (picture, left) depress the grip and tilt the grille profile forwards (picture, right). Repeat the procedure on the other side



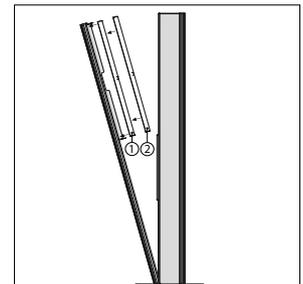
The filter package should be replaced at least once per year. In the case of regular operation and heavy contamination of the room air, a filter replacement may be necessary at an earlier time (heavily contaminated prefilter, discoloured HEPA-Filter).

Filter change: (Fine filter, HEPA filter)

First remove the old HEPA filter 2 and then the old fine filter 1

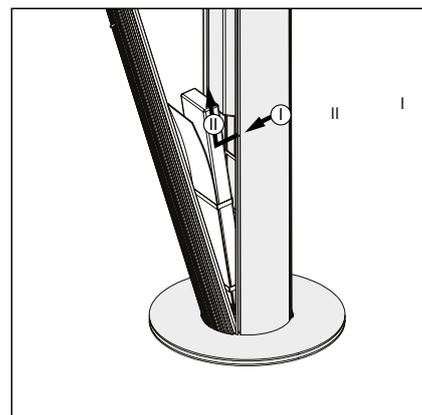


When fitting the new filters, first fit the new fine filter 1 and then the new HEPA filter 2.

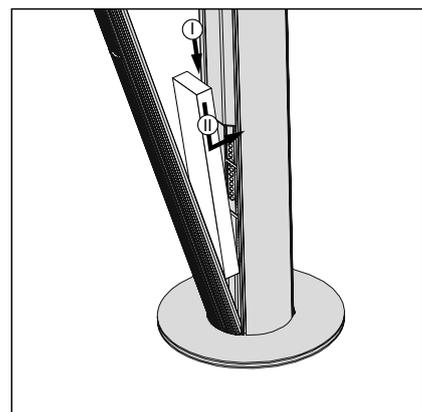


Filter change: (Active carbon filter, aldehyde filter)

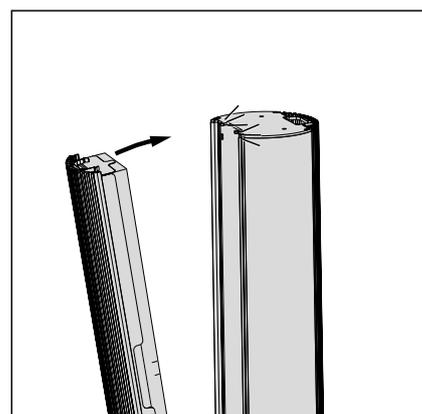
The active carbon filter (2 x) is located on both sides in the lower section of the air purifier.
To remove it, tilt the old active carbon filter with aldehyde filter forwards (I) and lift it out (II).



First insert the new active carbon filter with aldehyde filter in a downward direction (I), then press it at the top (II) against the inside of the filter cover.



Once all filters have been replaced you can close your Ai-rOne again. To do this, tilt up both grille profiles together one after the other until they latch with a "CLICK".



Functional check and fault finding:

Function/malfunction:	Cause/action:
LED lights up red	Standby
LED lights up orange	Stage 1 (Regular Power)
LED lights up green	Stage 2 (Extra Power)
LED flashes orange or green	Fine filter change necessary The HEPA, active carbon and aldehyde filters normally only need to be replaced every second filter change!
Status LED does not light up	- Mains plug not plugged in - Appliance defective
Touchpad does not react	Mains socket not earthed

7. Technical data

Dimensions excluding foot	d x h 260 mm x 2200 mm
Dimensions including foot:	d x h 550 mm x 2222 mm
Surface material:	Anodised aluminium
Volumetric flow rate:	Stage 1 (Regular Power): 103 m ³ /h Stage 2 (Extra Power): 306 m ³ /h
Power:	Stage 1: 31 W (Regular Power) Stage 2: 59 W (Extra Power)
Power supply	Input voltage: 90 - 264 V(AC)
External power supply unit:	Output voltage: 19 V(DC) / 4.74 A
Filter: 5 filter stages	Stage 1: Prefilter ISO coarse 60% according to ISO 16890 (formerly G4 according to EN779): filters particles larger than 0.01 mm (hair, pollen, etc.) Stage 2: Fine dust filter ISO ePM2.5 85% according to ISO 16890 (formerly F7 according to EN779): filters particles larger than 0.001 mm (ashes, bacteria, tobacco smoke, viruses, etc.) Stage 3: HEPA-Filter H13, efficiency 99.995 MPPS (most penetration particle size) up to 0.1 µm according to EN1822 Stage 4: Active carbon filter to remove gases, vapours and smells (TVOC, CO, CO ₂) Stage 5: Special aldehyde-trap filter in the outlet duct
Weight:	approx. 55 kg (70 kg including packaging)
Recommendation:	In rooms contaminated with tobacco smoke we recommend a 16 to 20-fold air recirculation/hour
Example calculation:	<ul style="list-style-type: none">▪ Your room size: 20 m², your room height: 2.50 m▪ results in a room volume of 20 x 2.5 = 50 m³▪ 50 m³ times 16-fold air recirculation/hour = 800 m³/h. This is the recirculation rate required for your room▪ 800 m³/h divided by 306 m³/h (volumetric flow rate of an AirOne air purifier) = 2.62▪ This means you need 3 air purifiers for your room!

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Der Name asecos[®] steht für security und ecology – für Sicherheit und Umweltschutz im Umgang mit Gefahrstoffen. Seit vielen Jahren gilt die asecos[®] GmbH, als einer von Deutschlands führenden Experten für Gefahrstoffhandling und -absaugung. Mit diesem Know-how wurde die AirOne Luftreiniger Serie entwickelt. Vertrauen Sie auf Qualität Made in Germany und auf maximale Leistungsfähigkeit.

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