

beurer

LW 230



DE Luftwäscher Gebrauchsanweisung..... 2	IT Filtro dell'aria Istruzioni per l'uso..... 45
EN Air washer Instructions for use..... 13	TR Hava yıkayıcı Kullanım kılavuzu 56
FR Laveur d'air Mode d'emploi 23	RU Водяной воздухоочиститель Инструкция по применению..... 66
ES Lavador de aire Instrucciones de uso 34	PL Oczyszczacz powietrza Instrukcja użytkowania 77

CE



Read these instructions for use carefully and keep them for later use, be sure to make them accessible to other users and observe the information they contain.

 **WARNING**

- This device may be used by children over the age of 8 and by people with reduced physical, sensory or mental skills or a lack of experience or knowledge, provided that they are supervised or have been instructed on how to use the device safely, and are fully aware of the consequent risks of use.
- Children must not play with the device.
- Cleaning and user maintenance must not be performed by children unless supervised.
- Disconnect the device from the mains supply during filling or cleaning.
- Clean the device using only the methods specified. Under no circumstances must liquid enter the fans.
- Do not use any solvent-based cleaning products.
- Observe the information on the label of the cleaning solution.
- If the mains connection cable of this device is damaged, it must be disposed of. If it cannot be removed, the device must be disposed of.

Dear customer,

Thank you for choosing one of our products. Our name stands for high-quality, thoroughly tested products for applications in the areas of heat, weight, blood pressure, body temperature, pulse, gentle therapy, massage, beauty, baby and air.

With kind regards
Your Beurer team

Getting to know your instrument

Humans spend a large proportion of their time indoors. The air indoors is often polluted with dust particles, pollen, animal hair and odours and is too dry, particularly in winter. Ambient air that is too dry may have a number of negative effects.

The LW 230 air washer humidifies air that is too dry and simultaneously cleans it from dust, pollen, animal hair and odours. Just like rain does in nature, the air is “washed clean”.

The LW 230 air washer

- Washes and humidifies air particularly hygienically without filter mats
- Operates quietly with three output levels
- Suitable for rooms up to 40 m² in size
- Consumes little energy and automatically switches off if the water runs out
- Easy to clean and dishwasher-safe

Principle of air washing

1. The quiet and low-energy fan sucks the dirty air in from the top.
2. The air passes over the humidification discs, which continuously rotate in water, and picks up humidity.
3. The water acts as a natural filter that cleans the supplied air from dust.
4. The cleaned and humidified air escapes through lateral outlets.

A relative humidity of between 40 and 60% is generally recommended. This value is often not reached in winter when cold air enters living spaces that are being aired and is then warmed up. Air can absorb more humidity in line with increasing air temperature. The air tries to compensate by taking humidity from other sources such as mucous membranes, skin, furniture and accessories, etc. This may have a number of negative effects:

- mucous membranes dry out, lips become chapped and dry, eyes become irritated;
- infections and respiratory diseases are more likely to occur;
- exhaustion, tiredness and difficulty concentrating;
- pets and plants are put under unnecessary strain;
- promotion of dust and electrostatic charging of textiles made of synthetic fibres, carpets and plastic floor coverings;
- damage to furniture made of wood, particularly parquet floors;
- detuning of musical instruments.

The air washer now enables the air to gather the required humidity on the large surfaces of the humidification discs. Air humidification is carried out by the principle of auto-regulating cold evaporation. No additional control units are required.

To prevent a build-up of bacteria, we recommend using the supplied silver ion pads (item no. 164.160). Additional regular cleaning is essential.

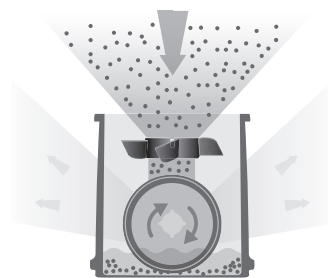


Table of contents












1. Included in delivery.....	14	8. Cleaning and maintenance.....	19
2. Signs and symbols.....	15	9. Accessories and replacement parts.....	20
3. Warnings and safety notes.....	15	10. What if there are problems?.....	21
4. Intended use.....	16	11. Disposal.....	21
5. Unit description.....	17	12. Technical specifications.....	21
6. Initial use.....	17	13. Warranty / Service.....	22
7. Usage.....	18		

1. Included in delivery

- 1 x Air washer
- 2 x Silver ion pads
- 1 x These instructions for use

2. Signs and symbols

The following symbols appear in the instructions for use and on the type plate:

	WARNING Warning instruction indicating a risk of injury or damage to health		Manufacturer
	IMPORTANT Safety note indicating possible damage to the device/accessory		CE labelling This product satisfies the requirements of the applicable European and national directives.
	Product information Hinweis auf wichtige Informationen		Dispose of packaging in an environmentally friendly manner
	Read the instructions		Certification symbol for products that are exported to the Russian Federation and members of the CIS
	Disposal in accordance with the Waste Electrical and Electronic Equipment EC Directive – WEEE		The device is double protected and corresponds to protection class 2.
	Use biocide products with caution.		

3. Warnings and safety notes

Read these instructions for use carefully. Non-observance of the following information may result in personal injury or material damage. Keep silver ion pads out of the reach of children. Safety data sheet available on request for professional users. Store these instructions for use and make them accessible to other users. Make sure you include these instructions for use when handing over the device to third parties.



WARNING

- Keep packaging material away from children! There is a choking hazard.

Electric shock



WARNING

As with every electrical device, use this air washer carefully and cautiously, in order to avoid hazards due to electric shock.

- Therefore, observe the following instructions for use:
 - Do not operate the device at voltages other than those indicated on the device (the type plate is located on the inside of the fan unit)
 - Never use the device if it or its accessories show visible signs of damage
 - Do not use the device during a thunderstorm
- In the case of defects or operational faults, switch the device off immediately and disconnect the device from the mains socket. Do not pull on the mains cable or on the device to disconnect the plug from the socket. Never hold or carry the device by the mains cable. Keep the cables away from hot surfaces.
- Ensure that the upper cover of the air washer and the mains cable do not come into contact with water, steam or other liquids.
- Use the device only in dry rooms (e.g. never in the bath, sauna).
- Never reach for a device that has been submerged in water. Disconnect it from the mains immediately.
- Do not use the device if it or its accessories are visibly damaged.
- Do not subject the device to any impacts or drop the device.

Repairs



WARNING

- Only specialist personnel may perform repairs on electrical devices. Improper repairs may subject users to considerable danger. For repairs, please contact customer service or an authorised retailer.
- Do not open the fan unit.

Risk of fire



WARNING

There is a risk of fire if the device is used improperly or these instructions for use are ignored. Therefore, observe the following instructions for using the air washer:

- Never use the device underneath a cover, such as blanket, pillow, etc.
- Never use the device near petrol or other highly flammable substances.

Handling



IMPORTANT

The device must be switched off and disconnected from the mains every time after use and before cleaning.

- Do not place any objects in device openings or in rotating parts. Ensure that the moving parts can move freely at all times.
- Do not place any objects on the device.
- Do not expose the device to high temperatures.
- Avoid water damage by carefully handling the device (e.g. water damage from splashing in the vicinity of wooden floors).

4. Intended use


This air washer is intended to clean and humidify the air indoors.

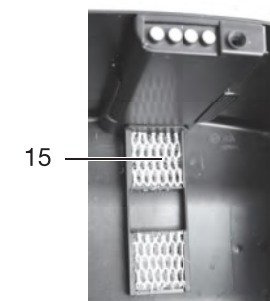
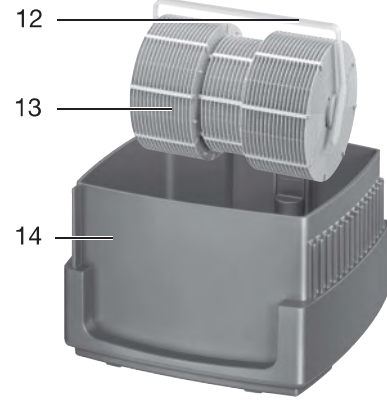
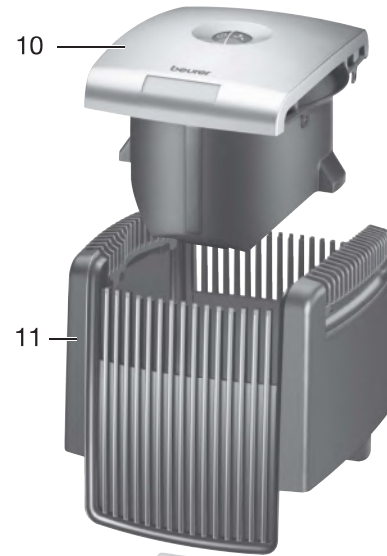
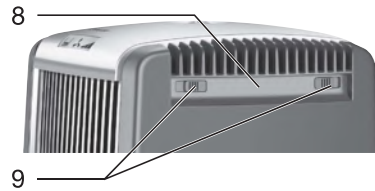
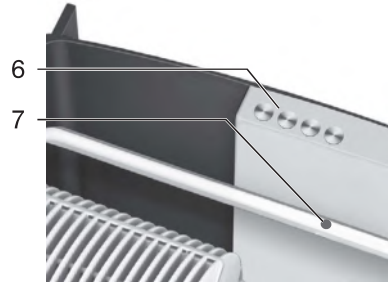


WARNING

- If you suffer from a severe respiratory or lung disease, consult medical advice before using the air washer.
- The device is only intended for the purpose described in these instructions for use. The manufacturer is not liable for damage resulting from improper or careless use.

5. Unit description

1. Fan button
2. On/Off button 
3. Air inlet
4. LCD display
5. Air outlet
6. Fill level sensor
7. Marker point for the correct attachment of the holder
8. Handle recess
9. Lock
10. Fan unit
11. Upper cover
12. Holder
13. Humidification discs
14. Tub
15. Use of silver ion pads



6. Initial use

Remove the transport lock

- Open the cardboard packaging.
- Keep the plastic covering closed and lift the device out using the handle recesses on the upper cover.
- Now remove all plastic films.
- Check the device, mains plug and cable for damage.
- Lift off the upper cover with the fan unit, lift out the humidification discs at the holder and remove the transport lock from the tub and the fan unit. Check whether all transport locks have been removed.
- Open the silver ion pads' outer packaging and place both pads inside the tank. Use the equipment provided for this.
- Reinsert the humidification discs. The holder automatically falls to the side and the humidification discs are secured. Make sure that the red spot is on the top of the holder.

Fill with water

- When filling with water, disconnect the plug from the mains.
- To fill the tub, lift out the upper cover with fan unit by the side handle recesses and place to one side.
- During filling, leave the humidification discs in the tub. Fill the tub with fresh, cold tap water at most up to the lower edge of the “MAX” marking (7.2 l) on the inside of the tub. The most straightforward way to do so is to use a large container free of limescale and impurities (water can, jug). Use only fresh, cold tap water. For optimum humidification output, we recommend filling the tub with water up to the “OPT” mark (3.6 l).
- Place the upper cover with integrated fan unit on the tub. If the upper cover cannot be placed precisely onto the tub, turn the upper cover around by 180 degrees. This is a design feature and ensures that the fill level sensor contacts touch each other. Never use force to place the upper cover on the tub. Otherwise the device will be damaged.



Note:

- Optionally, you can add a small amount of soluble aromatic oils to the water. This releases a fragrance into the air.



Important

- Ensure the water level in the tub with inserted humidification discs never exceeds the lower edge of the “MAX” marking on the inside of the tub.


Tip: The addition of a small volume of conventional washing-up liquid (e.g. 1 drop) breaks the water surface tension and increases evaporation output.

Positioning the device





- Place the humidifier on a firm, even, water-resistant surface.
- Position the air washer in the vicinity of a heater to improve evaporation, in particular in large rooms (do not exceed a max. temperature of 40 °C). Always ensure that the air inlet and air outlet remain clear and that the air flows freely.
- Insert the mains plug into the socket. Ensure that the cable does not pose a trip hazard. You can clamp the mains cable in the vertical ridge on the rear of the tub and lead it downwards.

7. Usage





7.1 Switch on air washer


Switch on the device using the On/off button  in the centre of the upper cover. The display lights up, shows fan level 0 and the water fill level.

Select the fan speed using the fan button in the centre of the upper side.

Graphic displayed	Fan level
	Level 0, standby – fan off
	Level 1, low
	Level 2, medium
	Level 3, maximum

The water level gauge indicates the tub fill level:

Graphic displayed	Fill level
	approx. 4.3 l to 7.25 l
	Approx. 2.5 l to 4.3 l
	Approx. 0.5 l to 2.5 l
	Residual water in tub. The tank must be refilled. Device automatically switches off after 6 hours.
	The device has switched itself off due to safety reasons. Clean and refill the device before next use.

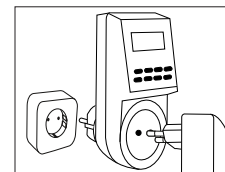
The air washer is switched off by pressing the On/off button  on the upper side. Regularly check the water level gauge during operation and refill the tub if necessary.

i Note:

- The actual humidification output depends on the ambient conditions and the air contact with the humidification discs. In principle, the lower the relative air humidity, the higher the humidification, and the greater the damp contact surface with the air, the higher the humidification.
- The LCD illumination reduces 5 seconds after a button has been pressed. The reduced display illumination enables the device to be operated in bedrooms.
- Use fan level 1 to operate the device during the night.

7.2 Usage with an external timer

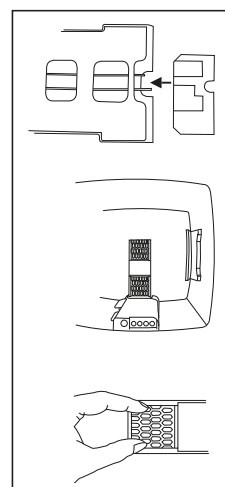
Switch the device to the desired ventilation level and then disconnect the plug (without turning the device off with the ON/OFF button). Connect the timer between the plug and the socket and the air washer will turn on at the desired time at the previously selected ventilation level.



7.3 Replacing silver ion pads

You should replace the silver ion pads with new ones after approx. 1 year

1. Disconnect the air washer from the socket.
2. Remove the humidification discs using the holder.
3. Empty any remaining water from the water tank.
4. Unlock the water level sensor and remove it.
5. Replace the Silber Ionen Pads as shown.
6. Reinstall the water level sensor and the humidification discs into the tank.
7. Fill the tank with fresh, cold tap water at most up to the lower edge of the "MAX" (7.2 l) marking on the inside of the tank and put the upper cover back on again.
8. Connect the mains plug to the socket and switch the air washer on.



i Note

- When not using the device, dry the silver ion pads to ensure reusability.

8. Cleaning and maintenance

Regular cleaning is a prerequisite for hygienic and fault-free operation.

The air washer can be dismantled easily and without tools for cleaning.

Always empty and thoroughly clean the air washer if the device contains water and has not been operated for longer than 3 days.

A lack of cleaning and hygiene can cause bacteria and fungi to form in the water.

Rinsing the tub

Rinse out the tub every 2 weeks with clean water. If the air is heavily polluted, the device is used intensively or the water quality is poor, the air washer must be cleaned at shorter intervals. If necessary, remove any deposits in the tub using a plastic brush.

Cleaning the fan unit

You can wipe the fan unit with a damp cloth. However, make sure that no liquid enters the fan unit.

Cleaning the upper cover

Remove the fan unit to more easily clean the upper cover. To do so, slide the 4 locks to the outside and remove the fan unit.

When using hard water, the silver ion pads may calcify. In the event of use in air humidification and air washing, the product must not be used in combination with other additives, medication or remedies.



Important: When putting the fan unit down, ensure that it does not come to rest on the water level sensor.

Cleaning the humidification discs and tub

You can wipe the humidification discs and tub with a damp cloth or clean them thoroughly and easily in the dishwasher. Lift off the upper cover, remove the humidification discs from the tub and place them in the dishwasher. Unlock the water level sensor (Figure 1) and remove it (Figure 2). If there is insufficient space in the dishwasher, create extra space by removing the cutlery basket, for example. The humidification discs and tub must not be bent or jammed when being placed in the dishwasher.

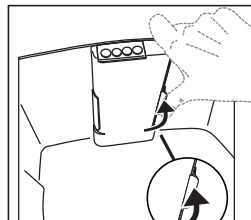


Figure 1

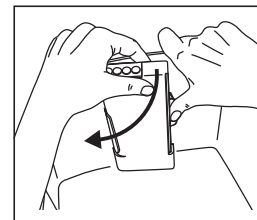


Figure 2

Set the dishwasher to a gentle cycle (for cleaning glass) and if possible remove the part before the drying process. The cycle must not exceed a temperature of 40 °C – otherwise the plastic parts may deform.

Only continue to use the device when the exterior of the tub is completely dry.

Clean the water level sensor

You can clean the lower half of the water level sensor in a cleaning bath. Ensure that the upper half of the water level sensor is not exposed to any harsh cleaning products. The water level sensor must not be cleaned in the dishwasher.

Descaling the humidification discs and the tub

Depending on water hardness and if necessary, the tub and humidification discs must be descaled in order to maintain the performance of the air washer.

For this purpose, use a standard descaling agent and observe the information on the label.

Note: A light build-up of limescale on the humidification discs increases the evaporation effect.

Storage

If you do not plan to use the device for a relatively long period of time, we recommend that you thoroughly empty, clean and dry the device and store it in the original packing in a dry environment, ensuring it is not weighed down by additional items.

9. Accessories and replacement parts

Replacement parts and additional items are available from the corresponding service address (according to the service address list). Please state the corresponding item number.

Replacement parts and additional items are also available from retailers.

Item	Item number
Beurer by Taoasis "Vitality" aroma oil (10 ml)	681.30
Beurer by Taoasis "Harmony" aroma oil (10 ml)	681.31
Beurer by Taoasis "Relax" aroma oil (10 ml)	681.32
Beurer by Taoasis "Sleep Well" aroma oil (10 ml)	681.33
2 x Silver ion pads	164,160

Only use original parts and from the manufacturer.

10. What if there are problems?

Problem	Cause	Solution
No display.	The device is not connected to mains power supply.	Connect the mains plug and switch on the device.
	The device has switched itself off due to safety reasons.	Clean and refill the device before next use. Then switch it on again.
The upper cover cannot be fitted precisely.	The guide rails do not fit and the upper cover is jammed.	Turn the upper cover around by 180° and reposition it on the tub.
The water level gauge always shows the same fill level despite differing water levels.	The fill level sensor is dirty.	Remove the upper cover from the tub, unlock the water level sensor, remove it and clean carefully.

11. Disposal

For environmental reasons, do not dispose of the device in the household waste at the end of its useful life. Dispose of the unit at a suitable local collection or recycling point. Dispose of the device in accordance with EC Directive – WEEE (Waste Electrical and Electronic Equipment). If you have any questions, please contact the local authorities responsible for waste disposal.



Disposal of silver ion pad according to official regulations (in the appropriate bin).

12. Technical specifications

LW 230

Dimensions (L x W x H)	30 x 30 x 34 cm
Cable length	approx. 2 m
Weight when empty	approx. 5,5 kg
Power supply unit	100 – 240 V AC; 50/60 Hz
Output	2-4-7 Watt
Suitable for rooms	up to approx. 40 m ²
Maximum capacity	approx. 7.25 litres

Silver ion pads

Description	silvertex [®] fresh air
Dimensions	5 cm x 5 cm x 1,5 cm (each)
Composition	3D fabric made of polyester (PET) and silver-coated polyamide
Active substance	Silver (Ag) +< 50µg/l
Max. water temperature	40 °C
CAS number	7440-22-4

BAuA (German Federal Institute for Occupational Safety and Health) reg. no.

N-85859

13. Warranty / Service

Beurer GmbH, Söflinger Straße 218, 89077 Ulm, Germany (hereinafter referred to as “Beurer”) provides a warranty for this product, subject to the requirements below and to the extent described as follows.

The warranty conditions below shall not affect the seller’s statutory warranty obligations which ensue from the sales agreement with the buyer.

The warranty shall apply without prejudice to any mandatory statutory provisions on liability.

Beurer guarantees the perfect functionality and completeness of this product.

The worldwide warranty period is 3 years, commencing from the purchase of the new, unused product from the seller.

The warranty only applies to products purchased by the buyer as a consumer and used exclusively for personal purposes in the context of domestic use.

German law shall apply.

During the warranty period, should this product prove to be incomplete or defective in functionality in accordance with the following provisions, Beurer shall carry out a repair or a replacement delivery free of charge, in accordance with these warranty conditions.

If the buyer wishes to make a warranty claim, they should approach their local retailer in the first instance: see the attached “International Service” list of service addresses.

The buyer will then receive further information about the processing of the warranty claim, e.g. where they can send the product and what documentation is required.

A warranty claim shall only be considered if the buyer can provide Beurer, or an authorised Beurer partner, with

- a copy of the invoice/purchase receipt, and
- the original product.

The following are explicitly excluded from this warranty:

- deterioration due to normal use or consumption of the product;
- accessories supplied with this product which are worn out or used up through proper use (e.g. batteries, rechargeable batteries, cuffs, seals, electrodes, light sources, attachments and nebuliser accessories);
- products that are used, cleaned, stored or maintained improperly and/or contrary to the provisions of the instructions for use, as well as products that have been opened, repaired or modified by the buyer or by a service centre not authorised by Beurer;
- damage that arises during transport between manufacturer and customer, or between service centre and customer;
- products purchased as seconds or as used goods;
- consequential damage arising from a fault in this product (however, in this case, claims may exist arising from product liability or other compulsory statutory liability provisions).

Repairs or an exchange in full do not extend the warranty period under any circumstances.

Subject to errors and changes