

beurer

MK 500

maremed®



EN Sea air simulator
Instructions for use

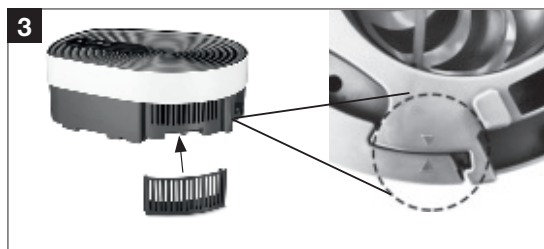
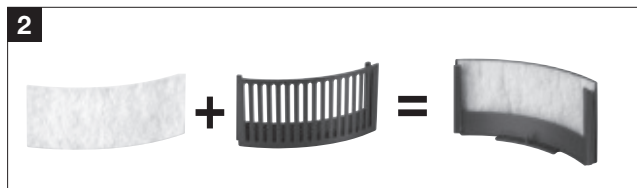
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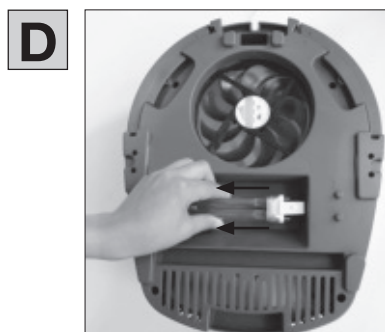
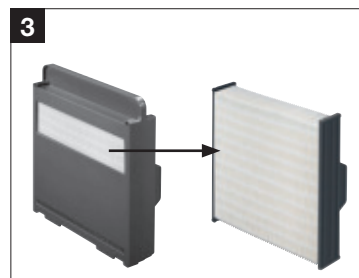
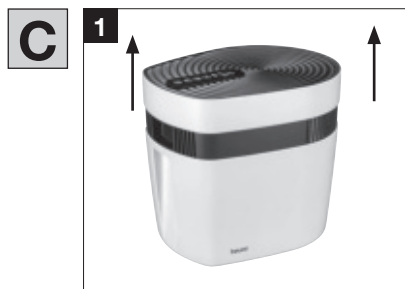
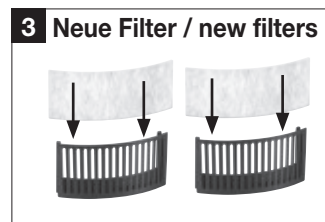
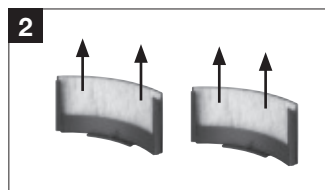
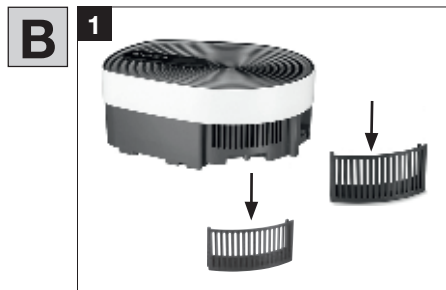


QR-Code: maremed® Funktionsweise / How it works



A







Read these instructions for use carefully before initial use. Follow the warnings and safety notes. Keep these instructions for use for future reference. Make the instructions for use accessible to other users. If the device is passed on, provide the instructions for use to the next user as well.

⚠ 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.
- Children must not perform cleaning and user maintenance without supervision.
- Disconnect the device from the mains supply during filling and cleaning.
- Clean the device using only the methods specified. Under no circumstances must liquid enter the fan unit.
- Do not use any solvent-based cleaning products.
- 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.
- Note that high moisture levels may promote the growth of biological organisms in the environment.
- Do not allow the area around the device to become wet or damp. If moisture is present, reduce the humidification output of the device. If the humidification output cannot be reduced, temporarily suspend use of the device. Make sure that absorbent materials such as carpets, curtains, drapes or tablecloths do not become damp.
- Never leave water in the tank when the device is not in use.
- Empty and clean the device before storing it away. Clean the device before the next use.

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


1. INCLUDED IN DELIVERY














Check that the exterior of the cardboard delivery packaging is intact and make sure that all contents are present. Before use, ensure that there is no visible damage to the device or accessories and that all packaging material has been removed. If you have any doubts, do not use the device and contact your retailer or the specified Customer Services address.

- 1 x sea air simulator
- 1 x 625 g maremed® special sea salt
- 2 x pre-filters
- 1 x evaporator block with water filter
- 1 x measuring jug
- 1 x mains adapter

2. SIGNS AND SYMBOLS

The following symbols are used on the device, in these instructions for use, on the packaging and on the type plate for the device:

	WARNING
Indicates a potentially impending danger. If it is not avoided, there is a risk of death or serious injury.	
	CAUTION
Indicates a potentially impending danger. If it is not avoided, slight or minor injuries may result.	
	NOTICE
Indicates a potentially harmful situation. If it is not avoided, the system or something in its vicinity may be damaged.	
	Read the instructions
	The electronic device must not be disposed of with household waste
	Protection class II device
	Energy efficiency level 6
	Nominal ambient temperature
	Switching mains part
	Short-circuit-proof safety isolating transformer

	CE labelling This product satisfies the requirements of the applicable European and national directives.
	United Kingdom Conformity Assessed Mark
	The products demonstrably meet the requirements of the Technical Regulations of the EAEU.
	For indoor use only
	Lamp contains mercury
	Dispose of packaging in an environmentally friendly manner
	Protected against solid foreign objects 12.5 mm in diameter and larger
	Manufacturer
	Polarity of d.c. power connector
	Do not stare at light source
	Ultraviolet radiation, instructional safeguard
	Separate the product and packaging elements and dispose of them in accordance with local regulations.
	Importer

3. PROPER USE

The maremed® is intended for humidifying sea water and cleaning the air indoors. The maremed® is only intended for domestic/private use. The maremed® is not intended for medical or commercial use. The maremed® special sea salt is NOT suitable for consumption. Use the maremed® only for the purpose for which it was developed and in the manner specified in these instructions for use. Any improper use may be dangerous. The manufacturer is not liable for damage resulting from improper or incorrect use. If you have any doubts, do not use the device and contact your retailer or the specified Customer Services address.

4. WARNINGS AND SAFETY NOTES

⚠ WARNING

Read the warnings and safety notes carefully. Non-observance of the following information may result in personal injury or material damage.

- If you suffer from a severe respiratory or lung disease, consult your doctor before using the device.

⚠ WARNING

- Keep packaging material away from children. There is the risk of suffocation.

Electric shock

⚠ WARNING

- As with every electrical device, use this maredmed® carefully and cautiously in order to avoid hazards caused by electric shock. Therefore, observe the following instructions for use:
 - Only operate the device at the voltage indicated on the device (the type plate is located on the mains adapter)
 - Never use the device if it or its accessories show visible signs of damage
 - Do not use the device during a storm
- In the event of defects or operational faults, switch the device off immediately and disconnect it 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.
- Always switch off the device before disconnecting the mains plug.
- Never disconnect the mains plug with wet or damp hands.
- Keep the device away from sources of heat as the housing could melt and trigger a fire.
- Ensure that the openings of the maredmed® and the mains cable do not come into contact with water, steam or other liquids.
- Do not use the device in close proximity to flammable or explosive gas mixtures.
- Never reach for a device that is submerged in water. Disconnect the mains plug immediately.
- Do not use the device if it or its accessories are visibly damaged.
- This device contains a UVC lamp.
- Improper use of this device or damage to the housing could result in the emission of dangerous UVC radiation. Even in small doses, UVC radiation can damage your eyes and skin.

Repairs

⚠ WARNING

- Only specialist personnel may perform repairs on electrical devices. Improper repairs may subject users to considerable danger. For repairs, please contact Customer Services 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 use:
 - Never use the device underneath a cover, such as a blanket, pillow, etc.
 - Never use the device near petrol or other highly flammable substances.

Handling

⚠ CAUTION

- The device must be switched off and disconnected after every 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.
- Protect the device against sunlight and impacts and do not drop it.
- Never shake the device.
- Avoid water damage by handling the device carefully (e.g. water damage from splashing in the vicinity of wooden floors).
- Be aware that high humidity levels may encourage the growth of biological organisms in the environment.
- Do not permit the area around the humidifier to become damp or wet. If dampness occurs, turn the output of the humidifier down. If the humidifier output volume cannot be turned down, use the humidifier intermittently. Do not allow absorbent materials, such as carpeting, curtains, drapes, or tablecloths, to become damp.
- Place the device on a firm, level and water-resistant surface.
- The water and the plastic may discolour slightly.

5. DEVICE DESCRIPTION

- | | |
|---|---|
| 1 Digital touch display | 2 Cover |
| 3 Water filter
Water filter for use in the evaporator block. The air is enriched with sea water minerals and dispersed into the ambient air via a water filter in the evaporator block. | 4 Evaporator block
Holder for the water filter |
| 5 Recessed handles
To make it easier to hold the device in your hands when moving it | 6 Tank
The tank can hold up to 6 litres of water. |
| 7 Pre-filter holder | 8 Pre-filter
Filters particles such as domestic dust, animal hair and extremely small airborne particles. |
| 9 Mains connection | 10 UVC lamp
The UVC lamp sterilises the water flowing around it. |
| 11 Cover for UVC lamp | 12 Fan |

Display

13 Timer display

Displays the number of hours until the device is switched off. 0 denotes continuous operation.

15 Filter change indicator

The filters (pre-filter and water filter) must be replaced as soon as this symbol lights up. We recommend replacing the filters every 3 months

17 Fan speed

The maremed® comes with a total of 3 fan speeds.

19 TIMER button

For setting the number of hours after which the device should automatically switch off (1 to 24 hours).

21 ON/OFF button

For switching the device on and off.

14 UVC lamp faulty/replace the UVC lamp

The old UVC lamp must be replaced as soon as this symbol lights up.

16 Water level gauge

If the water level is at "MIN", the water tank must be filled with fresh water and maremed® special sea salt.



18 FAN button

20 SLEEP button

If you press the Sleep button, the touch display switches off.

6. INITIAL USE

Inserting the water filter and pre-filter

1. Open the cardboard packaging.
2. Remove the cover from the maremed® in an upward direction. **A1**
3. Remove the film packaging from the water filter and take out the two pre-filters.
4. Remove the pre-filter holders from the device cover. Place the pre-filters into the two pre-filter holders. The smooth, firm side must be positioned towards the inside of the device. **A2**
5. Then place the pre-filter holders into the cover of the maremed®. When inserting the pre-filter holders, make sure that the triangle markings  are aligned. The triangle markings  are located on the underside of the pre-filter holders and on the underside of the cover. **A3**
6. Place the evaporator block with the water filter into the tank in an upright position. **A4**

7. USAGE

7.1 Filling the tank with tap water and maremed® special sea salt

Before you can start using the device, you must first fill the tank of the maremed® with tap water and the maremed® special sea salt.

CAUTION

Use the maremed® exclusively with the maremed® special sea salt. Do not use the maremed® with any other salts! The maremed® may be damaged if other salts are used. Do not add

any essential oils or fragrances to the tank either. If other additives are used, the plastic material may become discoloured and damaged.

To fill the tank, proceed as follows:

1. Ensure that the maremed® is disconnected from the mains.
2. Remove the cover from the maremed® in an upward direction.
3. Fill the tank fully up to the MAX marking (approx. 6 litres) with fresh, cold tap water.
4. Using the measuring jug, add 90 ml of the maremed® special sea salt included in delivery to the tap water. (For every 1 litre of tap water use 15 ml of maremed® special sea salt).
5. First place the tank in the desired location and then put the cover back on top of the maremed® housing. To avoid water splashing into the upper cover, do not carry the cover together with the tank filled with water.

NOTICE

When carrying the device, only use the recessed handles at the front and back provided for this purpose. The top recesses are merely for taking off the cover.

CAUTION

Empty and clean the tank after each use with a diluted water and vinegar essence solution.

Clean the water filter after each use with clean tap water! If you do not intend to use the maremed® for an extended period of time, leave the water filter and open tank to air-dry for a week.


If it is not cleaned adequately, bacteria, algae and fungi may form in the water and on the water filter.

7.2 Setting up the maremed®



1. Place the maremed® on a firm, level and water-resistant surface to prevent vibrations and noise.
2. Set up the maremed® in such a way that there is 30 cm clearance on all sides.
3. Make sure that the air inlet and air outlet are never blocked.
4. Make sure that the touch display is facing the front.



7.3 Switching on the maremed®

1. Ensure that you have installed the water filter and pre-filter and filled the tank with tap water and the maremed® special sea salt.
2. Insert the mains plug into the socket. Ensure that the cable does not pose a trip hazard. The maremed® is now ready for use.
3. To switch on the maremed®, press and hold the ON/OFF button  for 3 seconds. All of the symbols on the touch

display will briefly light up. The UVC lamp inside the device will begin to light up.

4. The letters **CL** will appear on the touch display. The FAN button  will now start to flash for 3 minutes. The water in the water tank will now be sterilised before the fan draws in the air, ensuring that there is no bacterial contamination in the water.
5. After 3 minutes, the FAN button  will light up permanently. The fan will now start automatically. The mareded® will now run continuously.

NOTICE



For safety reasons, if you remove the cover from the mareded® when it is connected to the mains, both the fan and the **UVC lamp** will automatically switch off. Once you put the cover back on again, the 3-minute sterilisation process will start again. The fan won't start again until this has finished.

NOTICE

A slight odour initially develops after switching on the device for the first time. This is normal and not harmful to your health. Allow the device to run for three to five minutes. After that you can use the device as normal.





7.4 Selecting the fan speed

The mareded® comes with a total of 3 fan speeds.

- Select your desired fan speed using the FAN button .
The fan speed  that is currently set is shown on the touch display.

7.5 Timer function

The mareded® comes with a timer function. You can use the timer function to set the number of hours of operation after which the mareded® is to automatically switch off. You can set the timer to between 1 and 24 hours.



- To set the timer, press the TIMER button  until your desired hour value (e.g. ) appears on the touch display. The timer display  starts to light up continuously. The mareded® will now automatically switch off after the set number of hours has passed. 



NOTICE


If the timer function has been activated, you can also regulate the fan speed or activate the sleep function while it is counting down.

7.6 Sleep function

The mareded® comes with a sleep function. Once the sleep function has been switched on, the touch display will switch off.



1. To switch on the sleep function, press the SLEEP button .
The SLEEP button  starts to flash for 5 seconds. The sleep function will be active once the 5 seconds have elapsed.

Now it is only possible to press the SLEEP button  and the ON/OFF button .


2. To switch off the sleep function, briefly press the SLEEP button . The touch display will start to light up again and all buttons can be pressed again.

NOTICE

The UVC lamp will stay on when the sleep function is active. If you want the light to go out completely, you can also switch the UVC lamp off.

1. To switch off the UVC lamp, press and hold the SLEEP button  for 5 seconds. Once the UVC lamp has been switched off, it is no longer possible to guarantee that 99% of bacterial contamination will be eliminated.
2. To switch the UVC lamp on again, press and hold the SLEEP button  for 5 seconds.


7.7 Refilling the water tank

Refill the water tank as soon as this symbol  lights up on the touch display of the mareded®.

NOTICE

Approx. 1.5 litres of water will remain in the water tank.


To refill the water tank with water, proceed as follows:






1. Press the ON/OFF button  to switch off the mareded®.
2. Pull the mains plug out of the socket.
3. Remove the mains plug from the mareded®.
4. Remove the top housing cover.
5. Remove the evaporator block with the water filter.
6. Empty out the water from the tank to the front.
7. Fill the tank fully up to the MAX marking (approx. 6 litres) with fresh, cold tap water.
8. Using the measuring jug, add 90 ml of the mareded® special sea salt to the tap water (for every 1 litre of tap water use 15 ml of mareded® special sea salt).
9. Make sure that the upper part of the metal rods is dry before attaching the upper housing.
10. Put the evaporator block with water filter back into the tank and place the tank in the desired location first.
11. Place the top cover onto the housing.
12. Insert the mains plug into the device and into the mains socket. Ensure that the cable does not pose a trip hazard.

7.8 Replacing the water filter and pre-filters


NOTICE






Use of the UVC lamp may result in a slight brown discolouration on the water filter. Small salt crystals may also form on the water filter if the device is used regularly.

We recommend replacing the water filter and the pre-filters with new filters after 2200 operating hours. After 2200 operating hours have elapsed, the filter change indicator  will light up on the touch display.

1. Once the filter change indicator  lights up on the touch display, press the ON/OFF button  to switch off the maremed®.
2. Pull the mains plug out of the socket.
3. Remove the mains plug from the maremed®.
4. Replace the two pre-filters as shown. **B**
5. Replace the water filter as shown. **C**
6. Connect the mains plug to the socket and switch the maremed® on.
7. Press and hold the TIMER button  and the ON/OFF button  simultaneously. The filter symbol  will go out on the touch display.
8. The operating hours counter now resets to 0.

7.9 Replacing the UVC lamp

The UVC lamp should be replaced after 5000 operating hours. Once 5000 operating hours have elapsed, or if the UVC lamp is faulty,  will light up on the touch display.

1. Once  lights up on the touch display, press the ON/OFF button  to switch off the maremed®.
2. Pull the mains plug out of the socket.
3. Remove the mains plug from the maremed®.
4. Unscrew the cover of the UVC lamp. Remove the cover.
5. Remove the UVC lamp from the housing as shown. **D**
6. Carefully insert a new UVC lamp until you feel and hear it click firmly into place.
7. Replace the cover of the UVC lamp. Screw down the cover of the UVC lamp again.
8. Insert the mains plug into a suitable socket.
9. After inserting the new UVC lamp, press and hold the FAN button  and the ON/OFF button  simultaneously. The lamp symbol  will go out on the touch display.
10. The operating hours counter now resets to 0.

8. CLEANING AND MAINTENANCE

⚠ WARNING

Before cleaning, always ensure that the maremed® is disconnected from the mains.
Never clean the maremed® if it is connected to the mains.

⚠ CAUTION

Regular cleaning is a prerequisite for hygienic and fault-free operation. The maremed® can be dismantled for cleaning with ease and without tools.

Empty and clean the tank after each use with a diluted water and vinegar essence solution.

Clean the water filter after each use with clean tap water. If you do not intend to use the maremed® for an extended period of time, leave the water filter and open tank to air-dry for a week.

If it is not cleaned adequately, bacteria, algae and fungi may form in the water and on the water filter.

Rinsing the tank

Always rinse the tank with clean water before filling it up again. If the air is heavily polluted, the device is used intensively or the water quality is poor, the maremed® should be cleaned at more frequent intervals. If necessary, remove any deposits in the tank using a cleaning cloth.

Alternatively:

The tank is dishwasher-safe. 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 50 °C otherwise the plastic parts may deform.

Cleaning the fan unit

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

Cleaning the cover

You can wipe the cover with a damp cloth.

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 packaging in a dry environment, ensuring it is not weighed down by additional items.

9. ACCESSORIES AND REPLACEMENT PARTS

To purchase accessories and replacement parts, please visit www.beurer.com or contact the corresponding service address (according to the service address list) in your country. Accessories and replacement parts are also available from retailers.

Designation	Item number and/or order number
<u>Complete set</u> - 1x bottle of maremed® special sea salt (1250g) - 4x pre-filters - 2x water filters	681.21
<u>Filter set</u> - 2x pre-filters - 1x water filter	681.22
<u>maremed® special sea salt</u> - 1x bottle of maremed® special sea salt (1250g)	681.23
<u>UVC lamp</u> - 1x UVC lamp	681.24

10. WHAT IF THERE ARE PROBLEMS?



Problem	Possible cause	Solution
The mareded® will not switch on.	There is no water in the tank.	Fill the tank as described in section 7.1.
	The mains part plug is not plugged in.	Plug the mains part plug into a suitable socket.
	The cover is not fully seated on the housing.	Make sure that the cover is fully seated on the housing by pressing the cover down slightly.
The touch display shows 	The filters have been in use for more than 2200 operating hours.	Replace the filters as described in section 7.8.
The touch display shows 	The UVC lamp has been in use for more than 5000 operating hours.	Replace the UVC lamp as described in section 7.9.
	The UVC lamp is faulty.	
FAN button  flashes and  appears on the touch display. The fan does not start immediately after switching on the device.	The fan does not start until after 3 minutes have elapsed because the water in the water tank first needs to be sterilised before the fan draws in the air.	Wait 3 minutes after switching the device on. Once the 3 minutes have elapsed, the FAN button  will go out and the fan will start.
All of the buttons and symbols are flashing	The cover is not fully seated on the housing.	Make sure that the cover is fully seated on the housing by pressing the cover down slightly.

11. DISPOSAL

For environmental reasons, do not dispose of the device in household waste at the end of its service life. Dispose of the device at a suitable local collection or recycling point in your country. Observe the local regulations for material disposal. Dispose of the device in accordance with EC Directive Waste Electrical and Electronic Equipment (WEEE). If you have any questions, please contact the local authorities responsible for waste disposal. You can obtain the location of collection points for old devices from the local or municipal authorities, local waste disposal companies or your retailer, for example.



12. TECHNICAL SPECIFICATIONS

Model	MK 500
Device input	24 V  1 A
Voltage supply	Input: 100-240 V; ~50/60 Hz; 1.0 A max Output: 24.0 V  1.0 A; 24.0 W
Adapter protection type	IP20
Adapter protection class	II
Dimensions (L x W x H)	38.4 x 30.5 x 34.0 cm
Deadweight	3198 g
Suitable for room sizes	50 m²
Tank capacity	approx. 6 litres
Average active efficiency	≥ 86.2 %
No-load power consumption	≤ 0.1 W

Subject to technical changes.

13. GUARANTEE

More information on the guarantee and guarantee conditions can be found in the guarantee leaflet supplied.

