

# Domotherm<sup>®</sup> vital plus

*Compressor Nebulizer*



**Instructions for use**

**UEBE<sup>®</sup>**  
Germany est.1890

<b>Intended use</b>	<b>3</b>
<b>Safety instructions</b>	<b>4</b>
<b>Operating the device</b>	<b>7</b>
Device description	7
Using the device	9
Protecting against overheating	10
Changing the filter	11
Frequently asked questions	11
<b>Technical information</b>	<b>13</b>
Technical data	13
Particle size/MMAD	13
Possible faults and resolution	14
Genuine spare parts and accessories	15
Customer service	15
Explanation of symbols	16
Disposal	17
<b>Cleaning and care</b>	<b>18</b>
<b>Warranty</b>	<b>21</b>

Thank you for choosing the Domotherm vital plus inhalation device. Domotherm vital plus is a compressor nebuliser and was developed for use with medically prescribed drugs in the upper and lower respiratory tracts. With proper care and use, it provides effective treatment.

Read the instructions for use carefully before using the device and store them in a safe place.

This device is designed to convert inhalable medication into an aerosol that can be inhaled by patients for the treatment of upper and lower respiratory tract disorders, such as bronchial asthma, allergies, chronic obstructive pulmonary disease (COPD), (chronic) laryngitis and tonsillitis. The device may be used at home or in hospitals. It is suitable both for adults and for children and infants.

The device generates a flow of air that is carried through a transparent tube to a nebuliser, where the medication is atomised into a fine mist that is easy to inhale.

Only use the device after consulting with your doctor and/or respiratory therapist. Only use the device for the purposes for which it is intended.

The following basic safety instructions must be observed when using electronic devices. Caution: Failure to observe these safety instructions can cause personal injury or damage the device.

### Safety instructions for this product

- To prevent electric shock: Keep the device away from water.
- Do not immerse the power cable or the device in any liquid.
- Do not use the device while bathing.
- If the device falls in water, do not reach for it – unplug it immediately.
- Do not use the device if parts of the device (including the power cable) are damaged or if it has fallen or has been submerged in water. Send it to customer service as soon as possible for inspection and repair.
- Do not use the device in environments where flammable gases, oxygen or aerosols are used.
- The device does not have category AP/APG classification. It must not be used in the presence of flammable anaesthetics containing air, oxygen or nitrogen oxide.
- Unplug the device before cleaning, filling and after use.
- The device must only be operated with accessories that have been tested and approved for use with the device (see “Original spare parts and accessories” on page 15). Use of other accessories may cause malfunctions. The warranty will be invalidated if the device is damaged by third-party accessories.
- The use of this device in the vicinity of mobile phones, microwaves or other devices with strong electromagnetic fields can cause malfunctions.

### Safety instructions for use

- The device is also suitable for children and infants without any age restriction. To avoid the risk of misuse or incorrect operation, however, you should never leave a child unattended during treatment.
- Use the baby mask without rubber band on infants. Hold the mask over the infant's mouth and nose during treatment.
- The device contains small parts that children could swallow. The power cable and air tube pose a risk of strangulation. Do not leave the device unattended with children.
- Always plug the device into a socket that is suitable for your model.
- Do not leave the device unattended when it is turned on.
- Never use the device if the power cable or plug is damaged, if it has been dropped into or come into contact with water in any way, or if it does not work properly. In this case, send it to customer service to be repaired.
- If you notice anything unusual, do not use the device until it has been tested and repaired.
- Always unplug the device immediately after use.
- Never block the ventilation slots of the main unit or position the ventilation slots in such a way that they could be blocked.

### Safety instructions for storage

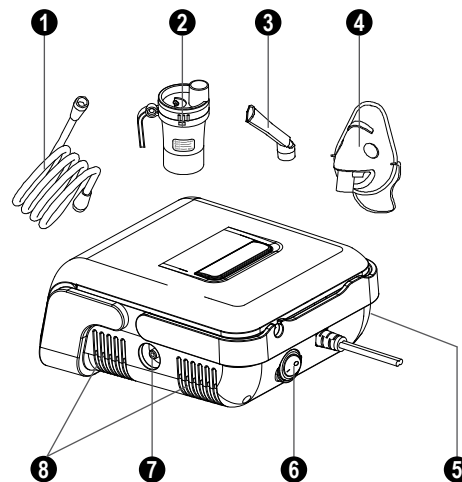
- Do not store the device in direct sunlight, in high temperatures or in high humidity.
- Store the device out of the reach of children.

- Always unplug the device when you are not using it.

### Safety instructions for cleaning

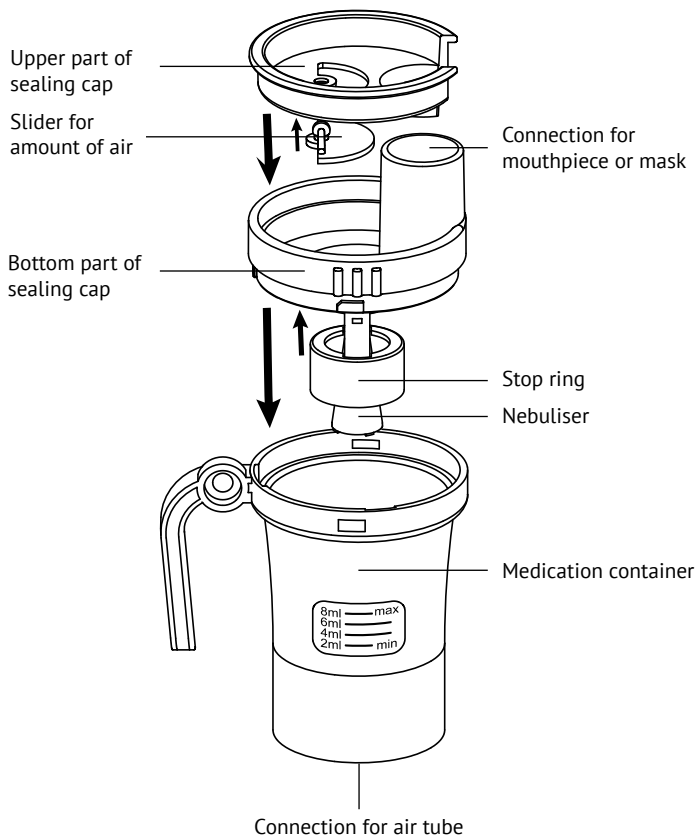
- Do not immerse the device in water. This could damage it.
- Unplug the device before cleaning.
- Clean all important parts after each use as described on page 18 of these instructions.

### Device description



- |                                 |                           |
|---------------------------------|---------------------------|
| ❶ Air tube                      | ❺ Filter and cover        |
| ❷ AeroVital plus nebuliser unit | ❻ On/off switch           |
| ❸ Mouthpiece                    | ❼ Connection for air tube |
| ❹ Mask                          | ❽ Air vents               |

## AeroVital plus nebuliser unit



## Using the device

Clean the device and accessories thoroughly in the following cases:

- Prior to first use
- If using the device again after a prolonged period
- If the device is used by multiple people

Please note the instructions on cleaning and care from page 18.

- Place the device on a flat, stable surface. Make sure that you can easily reach the controls when seated.
- Carefully turn the cap of the nebuliser unit to the right to open the container (Figure 1).
- Fill the medication container with the amount of the medication prescribed for treatment by your doctor.



Figure 1: opening

The minimum fill quantity of the medication container is 2 ml. The maximum fill quantity is 8 ml. Please note the markings on the exterior!

- Close the nebuliser unit by placing the lid on the medication container from above and turning it to the left to lock it (Figure 2). Check that the two parts are securely connected.



Figure 2: closing

- Attach one end of the air tube to the underside of the nebuliser unit (Figure 3).
- Secure the other end of the air tube to the air-tube connector on the side of the compressor.



Figure 3

**Caution: Always keep the nebuliser unit upright so that the medicine does not leak and can be nebulised as much as possible.**

- Place the mouthpiece or mask (depending on your preference) on the nebuliser unit (Figure 4).
- Plug the power cable into a suitable socket. Make sure that the on/off switch is set to "O".
- Switch on the device to start the prescribed treatment.
- Put the mouthpiece in your mouth or put on the mask.
- Breathe in slowly and deeply over a period of 3–5 seconds.

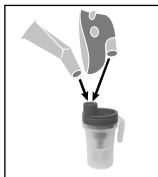


Figure 4

- Hold your breath for approx. 10 seconds so that the medication can go down your respiratory tract.
- Breathe out again.
- Repeat this process until the medication is used up.



Figure 5

You can use the slider in the cap to regulate the amount of air that flows into and out of the nebuliser unit (Figure 5).

**Occasionally tapping on the side of the nebuliser unit will cause any drops that may have developed on the inside to run down, so they can then be nebulised again.**

When the treatment is complete, switch off the device and unplug it from the socket.

### Protecting against overheating

The compressor's motor has overheat protection, which switches the device off if it gets too hot. If the device is switched off by the overheat protection, you must:

- Set the device's on/off switch to "O".
- Unplug the device.
- Allow the motor to cool down for 30 minutes before starting the next treatment. Make sure that the ventilation slots are not blocked.

### Changing the filter

Do not use cotton or other materials. The filter must not be washed or cleaned. Only use the filters available from your retailer. Do not use the device without a filter.

Replace the filter approximately once every two months or when the filter turns grey.

#### Changing process:

- Remove the filter cover on the bottom of the device.
- Replace the used filter with a new one.
- Replace the filter cover.

### Frequently asked questions

Which medication can I nebulise with Domotherm vital plus?

All medication that is suitable for device inhalation may be nebulised using Domotherm vital plus. Please refer to the instruction leaflet provided with your medication for information. If you are unsure regarding use of your medication with this device, please discuss this with your doctor.

Should I use the mouthpiece or the mask for inhalation?	We recommend the mouthpiece for inhalation. There is a more direct path to the lungs when breathing through the mouth than the nose, meaning that slightly less aerosol mist is left over in the upper respiratory tract. Technically, using the mask means that more outside air is inhaled than with the mouthpiece. Therefore, the treatment time may be somewhat longer. When inhaling using a mask, please make sure that the mask covers the mouth and nose well.
Is Domotherm vital plus also suitable for children and infants?	Domotherm vital plus is suitable for children of any age. Children should, however, only use the device when supervised by an adult. Never leave a child alone during treatment. Use the baby mask without rubber band on infants. Hold the mask over the infant's mouth and nose during treatment.
Why should I replace the nebuliser container after 1 year?	The nebuliser is a high-precision instrument and is subject to minor wear from usage. Therefore, particle size and distribution can change over time, which may affect treatment effectiveness. Accessories should also be replaced regularly for hygiene reasons.
Can Domotherm vital plus be used by multiple people?	Yes. However, each user should use their own accessory kit (nebuliser container, mouthpiece, mask) for reasons of safety and hygiene.

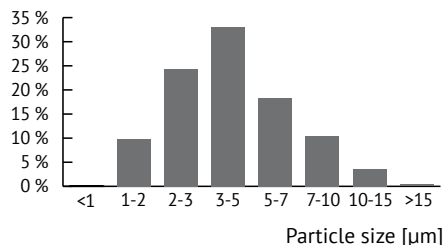
### Technical data

Power supply:	230 V AC, 50 Hz
Max. apparent power:	180 VA
Operating mode:	Continuous operation
Medication capacity:	2–8 ml
Particle size:	0.5 to 10 µm
MMAD:	3.6 µm
Volume:	≤ 60 dB at a distance of 1 metre
Average nebulisation performance:	≥ 0.2 ml/min
Maximum pressure of the compressor:	≥ 1.7 bar
Operating pressure range:	0.83 to 1.24 bar
Flow rate:	4.5 to 7.5 l/min.
Operating conditions:	Ambient temperature of 5°C to 40°C relative humidity of 15% to 90%,
Storage and transport conditions:	Ambient temperature -25 to 70°C, relative humidity 0 to 90%, air pressure 700 to 1060 hPa
Expected service life:	Compressor: 2 years or 1000 operating hours, Accessories: 1 year
Dimensions (L x W x H):	206 x 166 x 99 mm
Weight:	1.52 kg

### Particle size/MMAD

Particle size and therefore mass medium aerodynamic diameter (MMAD) may vary depending on the consistency and viscosity of the nebulised medium.

Particle size distribution using the example of 0.9% salt solution:



Mass medium aerodynamic diameter (MMAD): 3.6 µm  
Measurement method: Laser diffraction

### Possible faults and resolution

Problem	Possible cause	Solution
The compressor is not working	The device is not connected to the power supply.	Check whether the power plug is plugged in correctly.
	The device was switched off by the overheat protection (see page 10).	Switch off the device and allow the compressor to cool down for 30 minutes before starting the next treatment. Make sure that the ventilation slots are not blocked.
No or low nebulisation rate	Medication fill level too low or too high	The medication must be filled to at least 2 ml and maximum 8 ml. Note the levels on the nebuliser.
	Medication not suitable for nebulising	Read the medication instruction leaflet. Ask your doctor for suitable medication.

Problem	Possible cause	Solution
No or low nebulisation rate	Nebuliser held diagonally	Keep the nebuliser upright. Correct nebulisation can only be ensured if this positioning is used.
	Nozzle or nebuliser blocked	Switch off the device. Check whether the nozzle at the bottom of the medication container or the nebuliser in the cap of the nebuliser unit is blocked. Clean as necessary.
	Air tube kinked or blocked	Check the throughput of the air tube. Clean or replace as required.
	Air filter blocked	Clean air filter, replace as required.

### Genuine spare parts and accessories

The following original spare parts and accessories are available from specialist dealers:

- AeroVital plus replacement set, consisting of: 1 nebuliser, 1 air tube, 1 adult mask, 1 child mask, 1 baby mask, 1 mouthpiece, 5 air filters  
Part no. 1802501, PZN-12399450, Medical aid code number: 14.99.99.1038

### Customer service

The device does not require maintenance. Please note, however, the instructions for changing the air filter on page 11 and for cleaning and care of the device on page 18.

Device repairs may only be performed by the manufacturer or an expressly authorised body. Please contact:

UEBE Medical GmbH  
Bgm.-Kuhn-Str. 22  
97900 Kulsheim, Germany

info@uebe.com  
www.uebe.com

## Explanation of symbols



This product complies with Council Directive 93/42/EEC of 5 September 2007 concerning medical devices and bears the mark CE 0123 (TÜV SÜD Product Service GmbH).



Medical device



Consult the instructions for use



Caution



Protect against heat and direct sunlight



Temperature limits



Humidity limits



Keep dry

**IP 21**

Protected against solid foreign bodies with a diameter of 12.5 mm and above, protection against dripping water.



Manufacturer



Reference number = article number



Device serial number

Structure of the serial number: SN YYWMMxxxxx

YY = Production year

WW = Production week (calendar week)

MM = Model number

xxxxx = Serial number of individual device



Type BF applied part: mouthpiece and mask



Protection class II equipment

## Disposal



Electrical equipment does not belong in household waste. It must be disposed of at appropriate collection and disposal points.

## Cleaning and care of the device housing

Wipe the device daily with a clean, dry cloth.

Do not use abrasives or soap pads as they may damage the surface.

## Cleaning methods and intervals for the device and accessories

	Nebuliser unit	Air tube	Mask	Mouth-piece	Device
<b>For single use only</b>	-	-	-	-	-
<b>Clean with water</b>	+	+	+	+	+
Cleaning interval	After each use	After each use	After each use	After each use	once a week
<b>Clean with a mild cleaning agent</b>	+	-	+	+	+
Cleaning interval	After each use	-	After each use	After each use	once a week
<b>Clean with a commercially available disinfectant</b>	+	-	+	+	+
Cleaning interval	Once a day	-	Once a day	Once a day	Once a week
<b>Cleaning by boiling (thermal disinfection)</b>	+	-	-	+	-
Cleaning interval	Once a day	-	-	Once a day	-

## Clean the accessories with water or a mild cleaning agent

- Remove the air tube, the nebuliser unit, mouthpiece and mask.
- Carefully unscrew the nebuliser unit.

- Rinse the nebuliser unit, the mouthpiece and the mask with water or a mild cleansing agent.
- Dry the parts with a clean, soft cloth or leave to air dry.
- Re-assemble the nebuliser unit when all parts are fully dry and store the parts in a dry, tightly sealed container.

## Cleaning the accessories with disinfectant

- Remove the air tube, the nebuliser unit, mouthpiece and mask.
- Carefully unscrew the nebuliser unit.
- Rinse the nebuliser unit, the mouthpiece and the mask with water.
- Clean the nebuliser unit, the mouthpiece and the mask with warm water and a mild cleansing agent. Then rinse the parts under hot tap water.
- Clean the parts using conventional disinfectants (e.g. isopropyl alcohol 70%). Pay attention to the disinfectant's instructions for use in this regard.
- Rinse the nebuliser unit, the mouthpiece and the mask with water.
- Dry the parts with a clean, soft cloth or leave to air dry.
- Re-assemble the nebuliser unit when all parts are fully dry and store the parts in a dry, tightly sealed container.

## Cleaning the nebuliser unit and the mouthpiece by decoction (thermal disinfecting)

- Remove the air tube, the nebuliser unit, mouthpiece and mask.
- Carefully unscrew the nebuliser unit.

- Rinse the nebuliser unit and the mouthpiece with water.
- Place the nebuliser unit and the mouthpiece in boiling water for a maximum of 10 minutes.
- Carefully remove the parts and rinse with water.
- Dry the parts with a clean, soft cloth or leave to air dry.
- Re-assemble the nebuliser unit when all parts are fully dry and store the parts in a dry, tightly sealed container.

### Replacing accessories

The maximum service life for accessories is restricted to 1 year. Accessories must then be replaced to ensure your inhalation device operates optimally and for hygiene reasons.

Replace accessories immediately if you notice any damage to them.

See “Genuine spare parts and accessories” on page 15.

During the warranty period of 3 years from the date of purchase, we remedy defects at our discretion and at our expense in our plant through repair work or replacement delivery of a defect-free device.

The warranty does not cover normal wear and tear of wearing parts or damage caused by failure to observe the instructions for use, improper handling (e.g. unsuitable power sources, breakage) and/or disassembly of the device by the buyer. Furthermore, the warranty does not constitute grounds for asserting claims for damages against us.

Warranty claims can only be asserted during the warranty period and upon presentation of the proof of purchase. In the case of a warranty claim, the device along with the proof of purchase and a description of the complaint must be sent to:

UEBE Medical GmbH  
Service-Center  
Zum Läger 1  
97900 Kulsheim  
Germany

The cost of returning the device to our factory shall be borne by the sender. Returns that are sent back without prepayment will not be accepted by UEBE.

The statutory claims and rights of the buyer against the seller (for example, defect claims, producer liability) are not restricted by this warranty.


**Please note: In the case of a warranty claim, please attach the proof of purchase.**



# Domotherm® vital plus

## Compressor Nebulizer

Domotherm and UEBE are internationally  
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 UEBE Medical GmbH  
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**Medical aid code number: 14.24.01.0146**

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