

Humidifier WDH-MG1



Dear Customer,

You have chosen a high-quality product. To ensure that you get a lot of enjoyment from this product, here are a few more tips:

In case of problems

We hope that the unit meets your expectations! If, despite the greatest possible care, there should ever be cause for complaint, please contact us briefly, as we are very concerned about your satisfaction and would like to clear up any misunderstanding.

The first run

As the inner units come into contact with water for the first time, there may be a slight odour at the beginning. This initial smell disappears after a very short time (1-2 days).

Use only clear and clean (or distilled) water below 40°C to fill the humidifier, and do not use any flavourings etc.

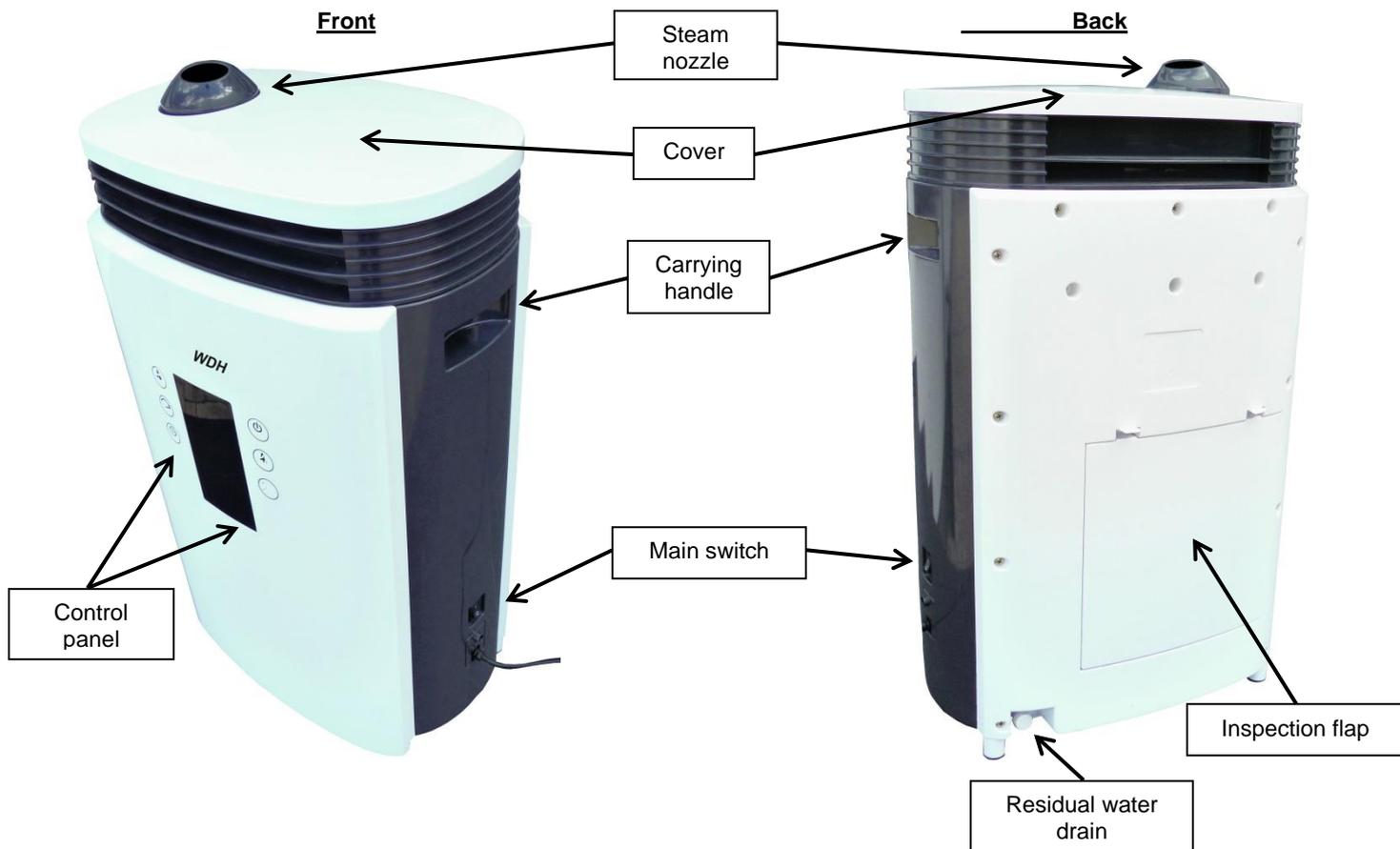
Important safety instructions

- Only use the recommended voltage for operating the humidifier !
- Supervise the humidifier when children are near the appliance !
- Watch out for electricity, never walk into or insert objects into the appliance !
- Do not block the outlet for the water vapour and please ensure sufficient space/clearance on and around the unit !
- Only qualified personnel or electricians are allowed to open the unit !
- Make sure that no moisture gets to the electrics of the unit !
- Make sure that the power cable is unfolded (untied) before connecting it to the socket !
- Make sure that the plug is cleanly and properly connected to the socket before using the appliance !
- Never reach near the plug or socket with wet hands !
- Do not repair defective or damaged cables on the unit yourself, you could get a severe electric shock !
- Make sure that highly flammable substances (e.g. gases/oils etc.) are never in the vicinity of the unit !
- If you are not going to use the unit for a long time, switch it off and disconnect the mains plug !
- Do not start the appliance without water in the water tank !
- Do not use the unit in bathrooms or other places with very high humidity.
- Do not add any additives such as scented oils to the water !
- Use in frosty temperatures can lead to damage or defects of the humidifier !
- Do not disconnect the mains plug by pulling on the power cable !
- Do not use insect repellent, oil spray, paint spray, etc. near the humidifier. This may cause damage to the unit or even fire !
- Do not place the appliance on sloping or uneven ground !
- Please do not expose the mains plug and the socket to direct moisture and steam. Use the cable length of the appliance so that the mains plug and socket are not directly next to the humidifier !
- For effective and economical humidification operation, please close all doors and windows in the room where the humidifier is located !
- Always set up and transport the unit in its proper and upright position !
- Switch off the humidifier completely at the main switch when refilling and for cleaning !

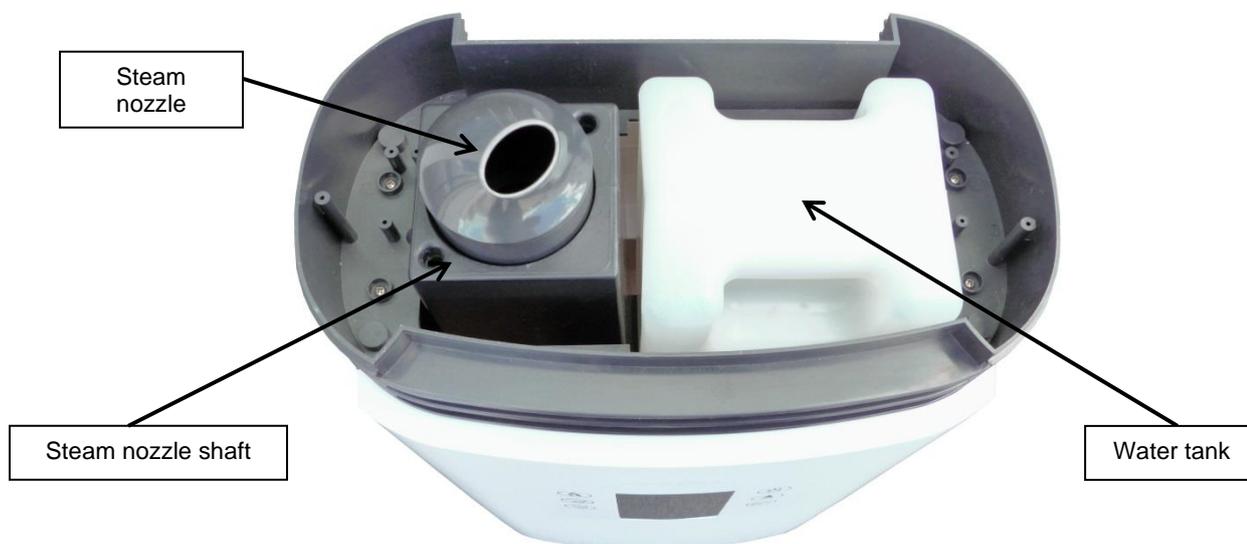


Please switch off the unit immediately and disconnect it from the mains/power supply if anything seems to be wrong !!! In this case, please contact a specialist and do not attempt to repair the unit yourself !

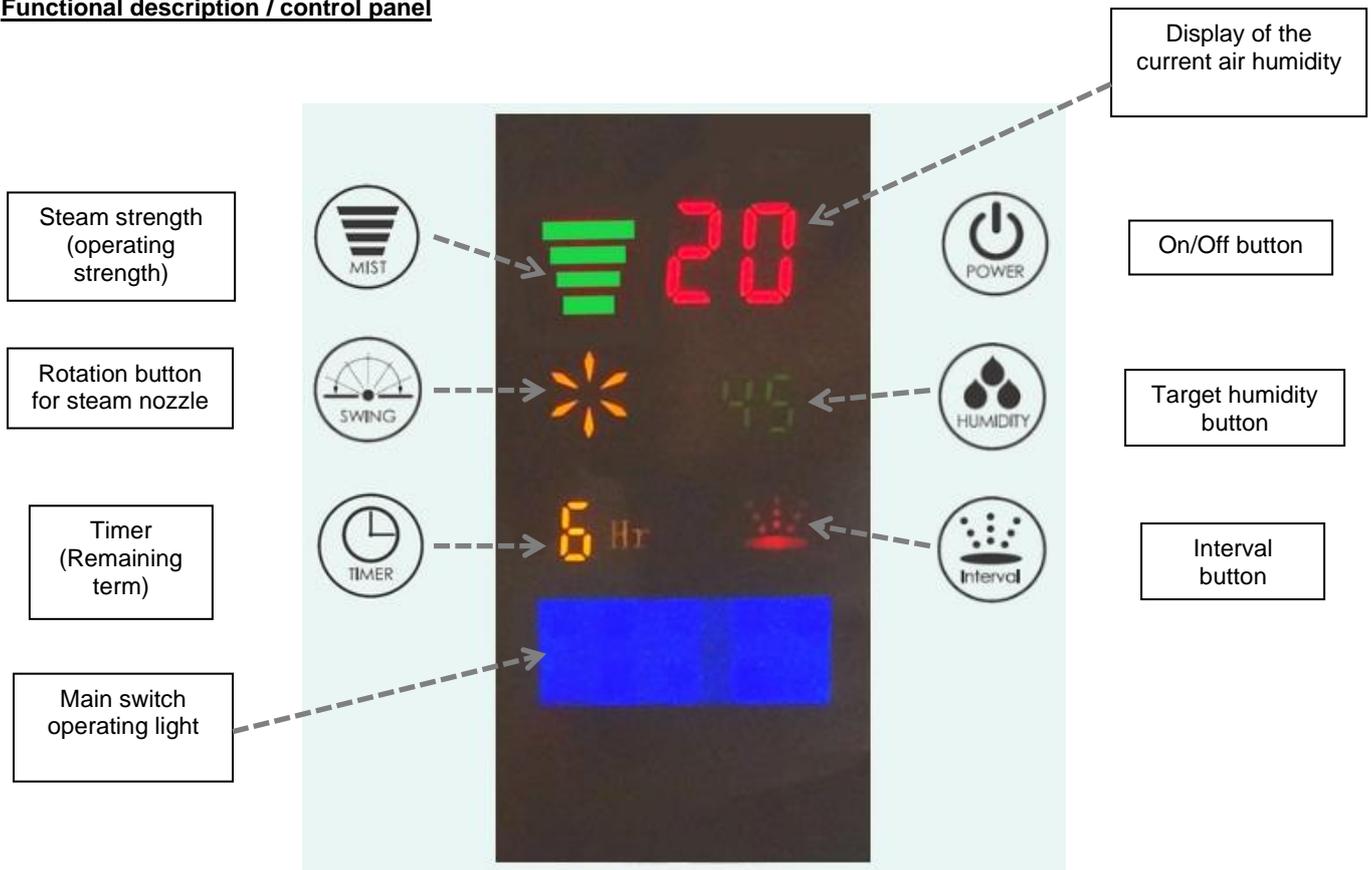
Device description



With open lid



Functional description / control panel



On/Off button: As soon as the blue operating light lights up in the display, you can switch on the unit with the On/Off button. After switching on, the individual setting symbols light up.



Steam strength/operating strength: With this button you can set your individual humidification strength. The following options are available:

- | | | |
|-------------------|---|--------------------------------------|
| One green bar: | > | Very weak humidification performance |
| Two green bars: | > | Weak humidification performance |
| Three green bars: | > | Average humidification output |
| Four green bars: | > | High humidification performance |
| Five green bars: | > | Maximum humidification output |



Target humidification key: Use this key to set your individual humidification target. The following options are available:

- L > Lowest target humidity value (below 25%) > Not recommended
- 25% / 30% / 35% / 40% / 45% / 50% / 55% / 60% / 65% / 70% / 75% / 80% / 85%
- H > Highest target humidity value (over 85%) > not recommended

The unit humidifies until the set humidity is reached and then switches off automatically. If the humidity falls below the set target value again, the unit switches on again automatically.

Note: The humidifier's humidity sensor sits under the unit (so as to be as far away as possible from the unit's steam outlet). Nevertheless, the humidity sensor always gives only a tendency of the room humidity. This is because, depending on the background, the displayed value may be lower or higher than the actual room humidity. However, by varying the target humidity value, this circumstance can be compensated for !

3. Cleaning

3.1. Preparation for cleaning

- Please switch off the appliance first and disconnect the mains plug before cleaning the humidifier.
- Open the upper lid of the humidifier and first remove the white water tank and the black steam nozzle shaft incl. steam nozzle.
- Now unscrew the residual water drain (see illustration on the right), which is located on the lower rear side, and empty the appliance completely of any residual water.
- Note: It is best to place the appliance in a sink to empty it, as up to one litre of residual water can still run off !



3.2. Cleaning the housing and the wet area

- Only use mild cleaning agents to clean your humidifier.
- Rinse the white water tank carefully and wipe it from the outside with a damp cloth.
- Next, clean the black steam nozzle shaft incl. the steam nozzle.
- Now carefully clean the white water cup incl. the ultrasonic water vapour unit in the lower part of your machine.

Notes: In the case of hard water (the tap water contains too much calcium and magnesium), limescale deposits can occur in the humidifier and especially in the water cup. These limescale deposits in the unit and especially in the area of the evaporator and the water vapour unit can lead to impaired functioning. We therefore recommend that you

- Clean the evaporator and the ultrasonic water vapour unit every week.
- Change the water in the water tank regularly to keep it fresh.

The ultrasonic water vapour unit itself is made of silver metal and has three approx. 2 cm large evaporators (eyes) on the top.

- a.) Add 5-10 drops of a suitable cleaning agent (e.g. Dimanin A* *available in any pharmacy**) to the surface of the vaporisers or also to the remaining area of the water cup and wait a few minutes.
- b.) Then carefully wipe off any flakes of dirt (limescale) from the surfaces with a soft sponge or the enclosed brush (see illustration on the right).
Note: Never clean the evaporators with objects made of metal or blunt material! This would damage the evaporators.
- c.) Finally, rinse the evaporator / water cup well with clear water.

- With the exception of the electrical control panel, all parts of the humidifier can be wiped or cleaned with a soft damp cloth when the unit is switched off.
- Remove any water, clean the unit thoroughly and dry it well if you are not going to use the humidifier for a long time.



Technical data

Model designation:	WDH-MG1
Voltage:	220 ~ 240V / 50Hz
Max. Power consumption:	72 W
Humidification capacity:	700ml/h
Water tank capacity:	Approx. 6 litres
Noise level:	≤ 35 dB(A)
Electrical protection class:	II
Dimension (H/W/D):	360 x 248 x 615 mm
Weight:	6,4 kg
Range of use:	5° - 40° C

We reserve the right to make deviations in the technical data !

Troubleshooting

Problem	Possible cause	Solution
The blue operating light is not lit	No power supply	Check the mains plug and/or switch on the unit
The green LED indicator (steam strength) lights up, but no steam is emitted	No water in the water tank	Fill up the water tank
Abnormal smell	New device	Remove the water tank, open the lid and leave the tank in a cool place for approx. 12 hrs.
	Dirty water or old water in the water tank	Clean the water tank and then fill it with fresh and clean water
Too little steam emission	Unit, evaporator or water tank is calcified	Clean all components incl. the evaporator and the water vapour unit.
	Water is dirty or has been in the water tank too long	Clean the water tank and then fill it with fresh water
Abnormal noises	Water in the water tank is running out	Fill up the water tank
	Unit stands on uneven ground	Ensure that the humidifier stands securely
White dust settles near the unit	Lime water	Use soft (distilled) water to fill the appliance !

Other

Humidifier for a better climate and for the benefit of health

Especially during the heating season, the relative humidity often falls below the recommended range for living and working spaces. This has an unfavourable effect on the well-being and health of people and animals and can also promote diseases of the respiratory system if the indoor air is permanently very dry. A too dry climate can also be harmful for inventory and plants. This effect can be counteracted with our humidifier.

In the field of human medicine, a balanced humidity of the ambient air is recommended. However, especially in closed, poorly ventilated and well-heated rooms, such values are often fallen short of, which can lead to reduced respiratory performance and impairment of the skin or mucous membranes. This is especially the case in winter, as the cold outside air then has only a low absolute humidity. Therefore, it should be re-humidified by a humidifier after it has been warmed up to room temperature in order to prevent the relative humidity from dropping too much.

In very cold regions or at cold times of the year or at night, the human organism often shows an increased fluid consumption, although the opposite should rather be assumed due to the lack of fluid loss through sweating. This is due to the humidification of the dry inhaled air and the associated loss of water. If the cold outside air is heated during inhalation, its water vapour capacity increases and thus also lowers the relative humidity. In contrast, the saturation deficit increases and the tendency of the liquid lung tissue water to change into the gaseous aggregate state increases. In summer or when the ambient air is warm, the inhaled air is hardly warmed up any further and therefore retains its usually high relative humidity. If the additional water losses through sweating are not too great here, the body's water requirement is therefore higher in cold ambient conditions. Increased humidity is beneficial for breathing, as oxygen then reaches the bloodstream more easily via the alveoli. The skin needs a high level of humidity in order not to dry out, as this is closely linked to skin moisture. Mucous membranes are particularly susceptible to drying out, as they have little protection against evaporation and depend on their high humidity to maintain their functions. Thus, low humidity of the nasal mucosa can result in an increased incidence of nosebleeds. In general, the skin's immune defence is weakened (increased risk of catching a cold) and its ability to exchange substances is reduced, which particularly affects the oral mucosa. Low humidity also increases the susceptibility to skin irritations or redness or even skin inflammations.

Source: www.wikipedia.de

Declaration of guarantee

Notwithstanding the statutory warranty claims, the manufacturer grants a warranty in accordance with the laws of your country, but at least 1 year (in Germany 2 years for private individuals). The warranty begins on the date of sale of the appliance to the end user.

The guarantee only covers defects that are due to material or manufacturing faults.

Warranty repairs may only be carried out by an authorised customer service. To make a warranty claim, please enclose the original sales receipt (with date of sale).

Excluded from the guarantee are:

- Normal wear
- Improper applications, such as overloading the appliance or non-approved accessories.
- Damage due to external influences, use of force or foreign objects
- Damage caused by non-observance of the operating instructions, e.g. connection to an incorrect mains voltage or non-observance of the assembly instructions.
- Completely or partially dismantled units

Conformity

The humidifier has been tested and itself and/or parts thereof have been manufactured under the following (safety) standards:

"GS" tested by Intertek, and of course with CE (LVD + EMC) conformity.

Tested safety according to:

EN 62233:2008
EN 60335-2-98:2003+A1:05+A2:08
EN 60335-1:2012+AC:14+A11:14
PAK requirement AfPS GS 2014:01 PAK

CE (LVD) Conformity tested according to:

EN 60335-2-98:2003+A1:2005+A2:2008
EN 60335-1:2012+AC2014+A11:2014
EN 62233:2008

CE (EMC) conformity tested according to:

EN 62233:2008
EN 60335-2-98:2003+A1:05+A2:08
EN 60335-1:2012+AC:14+A11:14

Correct disposal of this product

Within the EU, this symbol indicates that this product should not be disposed of with household waste. Waste equipment contains valuable recyclable materials that should be recycled. Furthermore, the environment or human health should not be polluted by uncontrolled waste disposal. Please dispose of
Therefore, dispose of old appliances via suitable collection systems or send the appliance for disposal to the place where you bought it. They will then recycle the appliance.

I wish you much pleasure with this appliance.

Your Aktobis AG

Keep these instructions for use in a safe place !