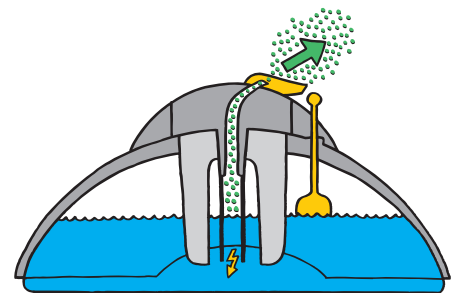


HUMIDIFICATION BY STEAM VAPORIZATION

For water to vaporise it needs to be heated. This happens in the vaporiser insert which consists of two electrodes and a vaporisation chamber. The electric current flows from one electrode to the other with the water acting as the connecting element. This way the water is heated and transformed into steam which is emitted into the room through a small opening.

The harder the water the stronger the current flow and thus the higher the steam output. The hot steam passing into the air will cause the temperature to rise slightly. Steam humidifiers operate on a very high output level. The humidity level should therefore be checked regularly or, better still, controlled by a hygrostat.



FREQUENTLY ASKED QUESTIONS...

1. What are the main advantages of this system?

Steam humidifiers are favourably priced. They provide a high humidification performance and require very little maintenance. The vaporisation principle guarantees absolutely germ, bacteria and mineral free humidification (residues remain in the tank).

2. And what are the disadvantages of this system?

The vaporisation process may be audible in a very quiet environment. A hygrostat is required for optimal and economical results. The steam humidifier has a relatively high energy consumption.

3. What care and maintenance is required?

Before refilling the water tank, the remaining water including the mineral deposits that have collected should always be tipped out. Depending on water hardness the insert must be decalcified once or twice a month; a regular household decalcifying agent may be used. Or the deposits can be scraped off with a tool, e.g. a screw driver.

4. How should the appliance be stored in summer?

For summer storage the appliance must be cleaned and dried. The insert should be thoroughly decalcified and loosely placed in the tank opening; high temperatures should be avoided.

5. Are any operating materials required?

Steam humidifiers need neither special pads nor antibacterial treatment. No operating materials are required.

6. Is a hygrostat required for steam humidifiers?

Steam humidifiers are high performance humidifiers. To ensure optimal and economical humidification the use of a hygrostat is recommended.

7. At what performance level do steam humidifiers work?

The performance of steam humidifiers very much depends on the water quality. The more minerals the water contains the better the vaporisation performance which can reach up to 700 g per hour. Full performance is available within a few minutes after connecting the appliance, the desired humidity level is thus achieved very quickly.

8. Do steam humidifiers provide 100% hygienic humidification?

Yes. Steam humidifiers are absolutely hygienic. The heat that is needed for the vaporisation entirely eliminates all germs and bacteria.

9. Are steam humidifiers in any way hazardous e.g. for children?

The appliance has a very stable design so that it can not be tipped over. The water tank is never hot, only warm. The first 8 to 10 cm of steam coming out of the steam outlet are, however, very hot. Children, especially toddlers should therefore not be left unattended with the appliance.

10. Do steam humidifiers offer any additional benefit?

Steam humidifiers can also be used as hot inhalers or simply to stimulate the air with essential oils. The steam outlet is equipped with a fragrance cup for this purpose. Another benefit especially in winter is the extra heat that is emitted into the air.

11. What kind of energy consumption is required?

Steam humidifiers are fully dependent on mains power. The power consumption in turn depends on the water quality and can reach up to 700 W. Since steam humidifiers pass heat into the air, a reduction in heating energy is possible. With the use of a hygrostat the appliance will – thanks to its high performance – only be in operation for short periods of time.