

Clean water

– it is your responsibility, but it will be our pleasure to help you!



ML System
humidification world-wide

Bacteria in water

Your company is responsible for ensuring that the water used for humidification is clean and does not pose a health risk for the people present in the premises being humidified.

For more information, see the manual supplied.

Clean water is important!

If the atomised water contains too many bacteria, these are carried into the air. Once inhaled they enter the lungs, where there is less resistance than in the stomach. On the contrary, lung tissue provides a nice warm environment for bacteria to live. Here they have access to oxygen and nutrition, so they can quickly multiply – and this can result in lung infections such as the dangerous Legionnaires' disease.

It is therefore important that the feed water is of the same quality as drinking water and does not contain too many bacteria. If it is not possible to supply water of the same quality as drinking water, it is important to filter the water, as well as cleaning and disinfecting the system.



ML System can help

ML System's specially trained technicians can provide:

- Bacteriological troubleshooting in a short time
- Cleaning and disinfecting
- Problem-solving advice

At ML System, we use a fast method for measuring the bacterial activity in the water – the approved, patented BactiQuant.

Once the water sample has been taken, we can read the bacteriological quality of the water within 30 minutes, and disinfect the system if this proves to be necessary.

ML System follows the guidelines in VDI 6022 for CFU counts in humidifiers. The CFU count in the humidification water must therefore not exceed 1000 CFU/ml, corresponding to a maximum BQ value of 97.



You yourself can make a difference

The cause of bacterial growth can be stagnant water in the tanks, ducts, filters or water treatment plants. If the humidification system has been stopped for more than 48 hours, for example, it should be disinfected before restarting. Factors such as temperature conditions, lack of maintenance, non-original components and consumables also have an impact on bacterial growth.

Six tips to ensure your system stays clean:

- Arrange a service contract to suit your company.
- Stop the system if polluted drinking water is found in your area.
- Do not stop the system unless it is faulty or is leaking.
- Refrain from closing nozzles or modules, unless there is leakage or a fault.
- Initiate procedures for checking UV systems, cleaning tanks, changing filters, etc.
- Have follow-up measurements done until the system is clean.

ML System Service Concept

ML System offers different service programmes to help ensure that water can never pose any health risk for your employees.

Optimal safety is achieved with an HACCP service agreement carried out in accordance with our certified ISO 22000/HACCP control system.



However, regardless of whether the service agreement includes 1, 2 or 4 annual visits, we always carry out measurements of the water quality, and we finish off by providing a report that shows the bacteriological quality of the system.



Professional quality systems

ML System has installed more than 4,000 systems worldwide on all continents and in 42 countries. We aim to be the world's most serious and best qualified supplier of humidification systems.

We focus not only on advisory service, development, manufacture and installation of our systems. We also place heavy emphasis on our ability to service our systems at ultra-short notice wherever in the world they happen to be installed.

Our service personnel are therefore ready to provide service and immediate assistance within 24 hours around the clock worldwide.



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