



Information sheet

Prevention of legionnaires' disease

The Organizational and Technical Regulations of the IAA generally apply, as well as the valid and generally recognized rules of engineering such as the DVGW [German Technical and Scientific Association for Gas and Water] worksheets (DVGW W 551 in particular), DIN standards [German Industrial Standards], VDE [Association for Electrical, Electronic & Information Technologies] regulations, the relevant UVV Accident Prevention Regulations (BGV C1 — German Occupational Health and Safety Regulations) and the H-VStättR (German Venue Regulations).

In addition, the following regulations of the City of Frankfurt Public Affairs Office and Department of Health shall apply:

- All exhibits that contain water and in which aerosols can form and be released as a result of water movement, air jets or other influences require permanent chemical disinfection of the water contained therein in order to prevent infection with legionella bacteria.
- The Public Affairs Office stipulates that the following reference values be adhered to:

Free chlorine: upper reference value: 1.5 mg/l; lower reference value: 0.5 mg/l

pH value: upper reference value: 8; lower reference value: 6.

This applies to whirlpools, various bathtubs, fountains, etc. For this purpose, chlorine tablets must be used for disinfection as they pose fewer safety risks than chlorine bleach solution or chlorine gas. If the water in the exhibits is changed daily and, prior to the daily refilling, cleaning is performed to remove any biofilm that may have formed, disinfection is not required.

When using chlorine products and pH correction agents, the relevant provisions pertaining to the German Hazardous Substances Ordinance [GefStoffV] and the German Chemicals Prohibition Ordinance [ChemVerbotsV] must be adhered to.

Compliance with these regulations during our trade fairs will be monitored by the Frankfurt Health Department. The Frankfurt Health Department specially points out that disinfection using UV radiation is not as effective due to the fact that any legionella bacteria which might be present within the system in biofilms cannot be reached in this way.

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