

Factsheet

On the prevention of legionnaires' disease

For all customers, service providers, stand constructors and organisers

The General Terms and Conditions and the Technical Guidelines of Messe Frankfurt generally apply, as do the valid and generally recognised 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 accident prevention regulations (UVV, DGUV Regulations 17/18) and the H-VStättR [Regulations on Places of Assembly].

In addition, the following regulations of the Ordnungsamt [Public Affairs Office] and of the Gesundheitsamt [Health Department] of the City of Frankfurt am Main 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 legionnaires' disease.
- The Public Affairs Office stipulates that the following guide values be adhered to:
 - Free chlorine: max guide value: 1.5 mg/l - min guide value: 0.5 mg/l
 - pH value: max guide value: 8 - min guide value: 6
- This applies to whirlpools, various bathtubs, fountains, etc. For this purpose, chlorine tablets are to 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 the pH corrective agent, 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 fair events will be monitored by the Gesundheitsamt Frankfurt am Main [Health Department of the City of Frankfurt am Main]. The Health Department of the City of Frankfurt has made it clear 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.

If you have any questions, please contact the Health Department of the City of Frankfurt or the Bundesverband Schwimmbad und Wellness (bsw). They will be happy to assist you.

Gesundheitsamt Frankfurt am Main [Health Department of the City of Frankfurt am Main]:

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You can download our Technical Guidelines from the Messe Frankfurt website:
<https://www.messefrankfurt.com/frankfurt/en/services.html>