

TEST OBJECT

HYBRID AIR HUMIDIFIER SYSTEM CONDAIR DL

DEVELOPER AND MANUFACTURER

CONDAIR AG, PFÄFFIKON, SWITZERLAND

TEST CONDITIONS

The hybrid air humidifier system Condair DL was installed and commissioned in an air handling unit at the technical center of the SGS Institute Fresenius GmbH, Taunusstein. There it was operated under real-life conditions for six months (June to November 2013) and observed throughout. As part of the investigation, microbiological contamination was applied in a targeted way in order to test the function of the DL unit under worst case conditions.

TEST REQUIREMENTS

Humidifier water: The industry standard recommendation in VDI 6022 is < 1000 CFU/ml. For the Condair DL system Condair defined a **max. value of 150 CFU/ml**.

TEST RESULT

- The results of the investigations were below the defined test requirements.
- The tested hybrid air humidifier system Condair DL, fulfil all defined Standards.

WE ARE THEREFORE ABLE TO ISSUE THE **SGS INSTITUT FRESENIUS HYGIENE CERTIFICATE** AND TO CONFIRM THAT THE HYBRID AIR HUMIDIFIER SYSTEM CONDAIR DL TESTED WORKS HYGIENICALLY.

The issue of the test certificate is linked to the following operating conditions:

- Operation of the system's own silver ionization
- Operation with upstream reverse osmosis plant
- Microbiological water quality in accordance with VDI 6022 total colony count of max. 100 CFU/ml)
- Adherence to prescribed operating standards and maintenance intervals

RADOLFZELL, 21.04.2015



p.p. Hans-Georg W. Karbach
Branch Manager
Operational Field Services Manager
Environment, Health and Safety



p.p. Peter Breig
Groupleader Field Service and Logistic
Environment, Health and Safety

Certifying Body:

SGS INSTITUT FRESENIUS GmbH
Güttinger Straße 37
D-78315 Radolfzell
www.sgsgroup.de

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