

certificate  
no. **DP 16030**  
dated 2016-08-19

Translation In any case, the German original shall prevail.

## DGUV Test Certificate

Name and address of the holder of the certificate (customer): DRAABE Industrietechnik GmbH  
Schnackenburgallee 18  
22525 Hamburg

Product designation: **air humidifier system**

Type: PUR (classifications see enclosure)

Testing based on: EN 60204-1:2006/A1:2009 Safety of machinery - Electrical equipment of machines; Part 1: General requirements  
EN ISO 13849-1:2008 Safety of machinery – Safety related parts of control systems - Part 1: General principles for design  
GS-DP-22:07.2011 Principles for testing and certification of optimized air humidifier

Test report: A 15114  
612.17 - Vg/Ho  
Produktschlüssel: 001.2004

Further details: Certification basis: 2006/42/EG Machinery Directive  
specific aspect: "Optimized Air Humidification"  
This Test Certificate replaces the Test Certificate DP 16030 dated 31.03.2016.

The type tested complies with the test basis specified above. The holder of the certificate is entitled to affix the DGUV Test mark shown overleaf to the products complying with the type tested, including the specification given under the heading further details.

The present certificate including the right to affix the DGUV Test mark is valid until: **2021-03-30**

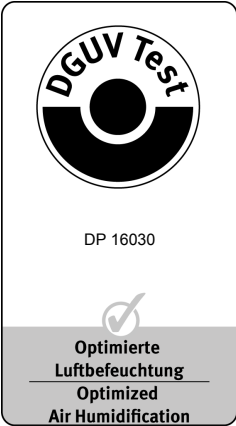
Further provisions concerning the validity, the extension of the validity and other conditions are laid down in the Rules of Procedure for Testing and Certification.

A handwritten signature in blue ink, appearing to read "Hans-Michael Porcher".

Dipl.-Ing. Hans-Michael Porcher

### DGUV Test mark

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Certificate

No. **DP 16030**

dated on 17.01.2017

## Annex to DGUV Test – certificate No. DP 16030

Name and address of the certificate holder: (customer) **DRAABE Industrietechnik GmbH  
Schnackenburgallee 18  
22525 Hamburg**

Product designation: **air humidifier system**

Tested equipment: **PUR (classifications see below)**

DRAABE pure water system: **PerPur, SynPur**  
DRAABE high-pressure system: **HighPur**  
DRAABE compact system: **DuoPur und TrePur**  
DRAABE humidifier: **TurboFog, TurboFogNeo,  
NanoFog, NanoFog Evolution,  
DI Flex (ED/HT), BS**

### Conclusion:

The analytically determined results regarding microorganisms in the atomized water of the humidifier conform with the test principles GS-DP-22 (in its current version) „Grundsätze für die Prüfung und Zertifizierung von Optimierter Luftbefeuchtung“ (Principles for Testing and Certifying Optimized Air Humidification Systems).

The expert examinations carried out during the test showed that, in principle, the total bacterial count complies with the following values:

Inlet water for air humidification: **150 CFU/ml**

Humidifier water: **150 CFU/ml**



Dipl.-Ing. Hans Michael Porcher