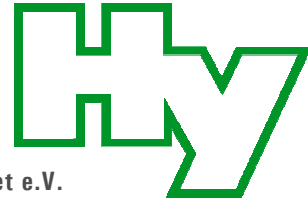


# Hygiene-Institut des Ruhrgebiets

Institut für Umwelthygiene und Toxikologie

Director: Dr. Thomas-Benjamin Seiler

Legal Entity: Verein zur Bekämpfung der Volkskrankheiten im Ruhrkohlengebiet e.V.



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Our reference: W-362346e-22-JRoll  
Contact person: Dipl.-Ing. (FH) S. Horn

Gelsenkirchen, 11.08.2022

## Test - certificate

hygiene-conformity check to the design requirements of  
selected regulations

Test institute: Hygiene Institut des Ruhrgebiets  
Institut für Umwelthygiene und Toxikologie  
Rotthauer Straße 21  
45879 Gelsenkirchen

Test object: decentral air handling unit of type  
"HyFlex-Geko® filter chamber combination"

Manufacturer: FläktGroup Deutschland GmbH  
Neue Höfe  
Bahnhofstraße 65-71  
44623 Herne



Basis of the examination: ✓ DIN 1946, part 4 (09/2018) ✓ ÖNORM H 6020 (06/2019)  
✓ SWKI VA105-01 (08/2015)  
(except room class Ia, Ib and special risk areas) \*

Validity period: 5 years 08/2022 – 08/2027

Test report: W-362346-22-JRoll

In conclusion, it can be stated that the examined "HyFlex-Geko® filter chamber combination", as specified in the test report W-362346-22-JRoll, is in compliance with the above mentioned regulations with the following exceptions:

1. The fans have a scroll casing.
2. The internal surfaces of the housing are uncoated sendzimir galvanized steel with internal bonded cellular polyethylene insulation.
3. The devices are not designed with inspection windows to check the components.

\*- e.g. -prematurity wards, intensive care wards, rooms for housing high-risk patients, oncology

Within the framework of the conformity check the hygiene-relevant requirements of the above mentioned regulations was examined. Requirements of other regulations that refer to the above mentioned regulations were not part of the examination. Additionally, the conformity check does not include a toxicological or sensory testing of the introduced materials.

Legal Entity: Verein zur Bekämpfung der Volkskrankheiten im Ruhrkohlengebiet e.V., Register: VR 519 Local Court Gelsenkirchen (Germany); VAT ID: DE125018356  
Directorate: Prof. Dr. Jürgen Kretschmann (Head), Dr. Emanuel Grün, Dr. Dirk Waider, Joachim Löchte, Dr. Thomas-Benjamin Seiler (Executive Member).

4. The lamella spacing of the cooler is less than 2.5mm.
5. The actual value of the volume flow cannot be read from the device.
6. Does not meet all requirements according to DIN EN 1886:
  - The tightness class does not correspond to the required class L2.
  - The mechanical stability does not correspond to class D2.
  - The thermal insulation of the device housing does not correspond to class T2.
7. Enclosure bushings for cables are not airtight.
8. The device has no interior lighting installed.



(Dipl.-Ing. (FH) S. Horn)

Head of the Department hygienic building technology

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issued 11.08.2022, Gelsenkirchen