

INDOOR AIR HYGIENE GROUP

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Report No.: TR-KKL-2020-053-S2

Cleaning Performance of a RVU Filter Unit

Scope and Object of Examination


A **Filter Unit “Pure induct”** for Residential Ventilation Units (RVU) by **Brink Climate Systems BV**, 7950 AA Staphorst (Netherlands), with a nominal air flow rate of 300 m³/h is examined with regard to cleaning performance of respirable fine dust, mould spores, bacteria and mite allergens (Der p1). The examinations were performed by the Test Centre for Air Hygiene, DMT GmbH & Co. KG, Essen, in March and April 2020. The RVU Filter Unit is equipped with an additional ionisation unit. The retention efficiencies of the RVU-Filter Unit “Pure induct” are determined with particle counters, germ and allergen collectors.

Measurement of retention efficiencies

Parameter	Results
Retention efficiency of particle fraction 0,3 – 7,0 µm with indoor air dust	97,59 %
Retention efficiency of particle fraction 0,3 – 7,0 µm with test dust A2 fine	99,94 %
Retention efficiency of mould spores with conditioned house dust ≤ 100 µm	97 %
Retention efficiency of bacteria with conditioned house dust ≤ 100 µm	98 %
Clean air allergen content of mite allergens with conditioned house dust ≤ 100 µm	1,1 ng/m ³

The detailed information on the measurement procedure, boundary conditions and results of the examinations are contained in the test report APS 2 – 00 032 20 dated 24 April 2020.

Essen, 28. May 2020



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