



Assessment report No. 1.6/pos/21/19a

Hygienic assessment of ventilation components - Air volume flow adjustment dampers

Expertise No.: SZÚ/11893/2021, EX 2011304
Customer: Mandík a.s., Dobříšská 550, 267 24 Hostomice
Manufacturer: Mandík a.s., Dobříšská 550, 267 24 Hostomice
Assessed products: Type ranges of air volume flow adjustment dampers RDM, RDTM
Documents used:

- Technical documents and photographic documentation of Mandík a.s., www.mandik.cz
- Declaration of Conformity RDM and RDTM from 1. 10. 2021
- Technical specifications 150/21 and 151/21
- Opinion SZÚ 1.6/pos/19/19a
- Certificate and material sheet – EPDM sealing
- Expert opinion SZÚ from 19. 5. 2021 on EPDM sealing (ISO 846 method A+C testing)
- Material sheet – Tecomid composite
- VDI 6022-1 **Hygiene and Hygiene Inspections of HVAC Systems**
- VDI 2167-1 Building services in hospitals - Heating, ventilation and air-conditioning
- VDI 3803, Blatt1 – Air-conditioning - Structural and technical principles - Central air-conditioning systems
- DIN 1946-4 Ventilation in buildings and rooms of health care
- ČSN EN 13053 Větrání budov - Vzduchotechnické jednotky - Hodnocení a provedení jednotek, prvků a částí (Ventilation for buildings - Air handling units - Rating and performance for units, components and sections)

Product description:

Damper body and damper blades are made of zinc galvanized sheet or stainless-steel sheet metal with completely smooth internal surfaces. There are no emissions from the materials used to the air flow that could contaminate the air. No micro-bacterial contamination or spread of such contamination occurs.

Conclusion:

Based on the mentioned documentation we conclude that air volume flow adjustment dampers **RDM and RDTM**

fulfill all hygienic requirements applicable to ventilation components including the VDI 6022-1, VDI 2167-1, VDI 3803 Blatt 1, DIN 194-4 a ČSN EN 13053.

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