

Report no. 1.6/pos/17/16

Evaluation of the sanitary version of H and HL line air-conditioning units

Expert's report no. : 161643, NIPH/3877/2016
Ordering party: C.I.C. Jan Hřebec, s.r.o., Na Zlaté stezce 1075, 263 01 Dobříš
Producer: C.I.C. Jan Hřebec, s.r.o., Na Zlaté stezce 1075, 263 01 Dobříš

Used materials:

- Technical materials from the producer including assembly and operational regulations
- Operational procedure – construction of the sanitary version of H and HL unit.
- TÜV-SÜD certificates
- VDI 6022 Hygienische Anforderungen an Raumluftechnische Anlagen und Geräte
- DIN 1946-4 Raumluftechnische Anlagen in Krankenhäusern
- ČSN EN 13053+A1 Building ventilation – Air-conditioning units – Units, features and parts evaluation and implementation

Product description:

Performance lines of assembly air-handling units. The units are frameless; each chamber is made of free-standing sandwich panels. The units cover is made of steel sheets with hot-dip galvanized coat DX51D+Z275 and another possible coat of paint (RAL9002), or stainless (AISI316). Mineral wool was used as the insulation material for sandwich panels. The units' inner and outer coat is completely smooth and its construction ensures easy cleaning. No substance leakage occurs through the used sealing. Condensate trap tanks are made of stainless sheets with lengthwise and crosswise fall; they can be easily accessed and cleaned as well as other inner chamber parts which can be easily ejected.

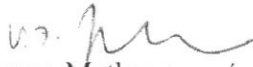
Only units with a plate recuperator can be used for air-conditioning units designed for clean areas.

Conclusion:

Based on the stated materials and personal inspection of the production we declare that **the sanitary version of H and HL line of the assembly air-conditioning units**

meet the sanitary requirements

for this type of air-conditioning equipment in terms of material, construction and operational standards and they can be used for air conditioning in **all types of areas** according to the producer's instructions, including clean areas.


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