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YOUR LETTER, NO 059988
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OUR REFERENCE: MARK: EX 180945,
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11th June, 2018

Subject: **Review No. 1.6/pos/18/23**

Hygiene evaluation of air-handling units AeroMaster XP

Expertise No.: EX 180945, SZÚ/2378/2018
Reviewer: REMAK a.s., Zuberská 2601, 756 61 Rožnov pod Radhoštěm
Producer: REMAK a.s., Zuberská 2601, 756 61 Rožnov pod Radhoštěm
Subject of assessment: Type series of modular XP AeroMaster Air-Handling Unit

Used materials:
- Technical data of REMAK a.s.
- Certificate Hygiene - Conformity Test for Hoval plate heat exchanger Type S and F, Institut für Lufthygiene Berlin date of issue 15.07.2013 (in accordance with VDI 6022/2011, VDI 3803.1 / 2010, DIN EN 13779/2007, DIN 1946.4 / 2008)
- EU Declaration of Conformity and Declaration of Conformity for AeroMaster XP in all its modifications, date of issue 01.05.2018
- Technical sheets and certificates of used sealing materials, powder paints, plastics materials
- VDI 6022 Ventilation and indoor-air quality – Hygiene requirements for ventilation and air-conditioning systems and units (VDI Ventilation Code of Practice)
- RLT-Guideline 01 General requirements for Air Handling Unit
- DIN 1946-4 Ventilation and air conditioning - Part 4: Ventilation in buildings and rooms of health care
- *ČSN EN 13053 + A1 / 2011 Ventilation for buildings. Ductwork. Cleanliness of ventilation systems*
- *ČSN EN 15780/2012 Ventilation of buildings - Air ducts - Purity of ventilation equipment*

Product description:
The **AeroMaster XP** Modular Assembly Units are designed for comfortable ventilation and air conditioning for both standard and clean air-intensive areas.
It is produced in three material versions (hot-dip galvanized steel sheet, varnished galvanized sheet, stainless steel plate). They are composed of sections on a common frame, their design ensures tightness of the whole unit.
Unit design is panel, frameless (panels of sandwich construction). The casing of the units is made of hot-dip galvanized steel sheets DX51D + Z275 + NAC with optional continuous or powder-coated polyester varnish or powder-coated EP / PES varnish. Mineral wool is used as the insulating material of the sandwich panels of the casing. The outer and inner shells of the units are completely smooth, making it easy to clean with their construction. No sealants are released from the seal used, the seal is permanently elastic and non-absorbent. The condensate drain tubs are made of stainless steel with longitudinal and transverse gradients, easily accessible and cleanable.
All AeroMaster XP components are well accessible and / or removable and easy to clean. The units can be fitted with sight glasses and interior lighting for visual controls in operation without the need for opening -

this ensures the permanent hygienic separation of the interior parts from the outside.

Conclusion

Based on the above documents, we find that **AeroMaster XP 04, AeroMaster XP 06, AeroMaster XP 10, AeroMaster XP 13, AeroMaster XP 17, AeroMaster XP 22 and AeroMaster XP 28**

comply with the requirements

for this type of air-conditioning equipment.Regarding the material, construction and operation, they are suitable for air handling in all types of rooms according to the manufacturer's specifications.
Only plate heat exchanger units should be used for the use of C-type clean air units according to ČSN EN 15780. The design of the air-conditioning project should take into account the second stage of filtration and the optional hygienic humidifier unit, both depending on the requirements for the type of space.

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