**Specifications of HDQ**

**1 - Description and physical characteristics**

1.1 The HDQ hygienic filtration diffusers are constructed in stainless steel in which are inserted a polystyrene plate and a stretched film in an aluminum frame which lets the air pass.

1.2 The HDQ is constructed in sections (modules) which are adapted in length and width based on the requirements of the space.

1.3 The aluminum frames contain stretched filters which are slid into the modules and can be easily removed for cleaning.

1.4 The polystyrene plates on the upper parts of the modules act as thermal insulation and prevent condensation from forming.

**2 - Performance**

2.1 The performance of the HDQ diffuser is guaranteed with aid of diagrams which show loss of pressure, the acoustic power generated and show the nominal speed as well as the temperature ratio in the occupied zone at 1.8m from the ground.

**3 - Connection**

3.1 The diffuser is designed to be connected to the ventilation system at the bottom, the top or on the side.

3.2 The modules are connected during installation of the diffuser and can be easily achieved with the help of connection plates on the sides of the modules.

3.3 The installation of the diffuser is achieved using four suspension brackets on each module either from the ceiling or in free suspension.

**4 - Balancing**

4.1 The balancing of the HDQ diffusers must be executed by a certified ventilation system balancing technician with a recognized professional qualification.

**5 - Quality required : NAD Klima, HDQ model**