**Specifications of the ILV / VVA**

**ILV**

**1 - Description and physical characteristics**

1.1 The ILV diffusers shall be composed of a circular diffusion mesh, three air flow director rings and a manual or motorized adjustment mechanism included in the diffuser.

1.2 The adjustment mechanism shall be composed of a register mounted on a horizontal transversal axis and a knob.

1.3 The diffuser, its parts and the register shall be manufactured in unpainted galvanised steel. RAL colors shall be available.

1.4 When completely open, the register positioning shall ensures that it remains within the diffuser.

1.5 The ILV shall be available in three nominal dimensions 355, 450 and 630

**2 - Performance**

2.1 The performance of the ILV diffusers shall guarantee as indicated the loss of pressure and acoustic power generated and shall demonstrate aa cross-sectional view of the critical airflow trajectory in cooling and heating modes.

**3. Connection**

3.1 The connection shall be made directly to the air supply duct without a plenum.

**4. Balancing**

4.1 The balancing of the NAD Klima ILV diffusers shall be executed by an certified air balancing technician.

**5. Quality required : NAD Klima ILV model**

**VVA**

**1. Description and physical characteristics**

1.1 The hexagonal shape of the VVA shall be made of galvanized steel.

1.2 It shall have horizontal slots at the bottom and vertical at the top on each of its six faces in which are inserted ABS air deflectors (clips).

1.3 The diffuser, its components and the register shall be made of unpainted galvanised steel.

1.4 The air deflectors (clips) shall be black.

1.5 The control mechanism for adjusting the airflow can be manual or by cable or by regulating motors and connection wires.

1.6 The nominal dimensions shall be 400, 500, 630.

**2. Connection**

2.1 The VVA diffuser shall be designed to be connected directly to an air supply duct without a plenum**.**

**3. Balancing**

3.1 The balancing of VVA diffusers shall be executed by a certified air balancing technician who has recognised professional qualification**.**

**4. Quality required: NAD Klima VVA model**