**Specifications of the VLD and VLV**

**1. Description and physical characteristics**

1.1 The air diffuser with adjustable jets shall be made of steel and aluminum. It shall have adjustable blades guiding the flow of air.

1.2 The diffuser shall consist of a large hole in the outer wall or perforated wall.

1.3 Adjustment of the blades shall be done manually, by cable or motor.

1.4 The diffuser shall be available with a galvanized finish or powder coated polyester-based TGIC. Color according to RAL color chart, will be chosen by the architect or client.

**2 – Installation**

2.1 The diffuser shall be designed to be connected directly to an air duct without plenum.

**3- Performance**

3.1 The performance shall be guarantee by using performance curves or simulation software for critical areas. These shall indicate the pressure loss and sound power, and show a sectional view of the air cooling, isothermal and heating with a rated speed in occupied zone at 1.8 m above the ground or on the request of engineer.

**4 - Balancing**

4.1 The balancing of the NAD Klima VLD and VLV diffusers shall be executed by a qualified air ventilation balancing technician holding a recognized professional certification.

**5 - Required quality : NAD Klima, VLD model**

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