

- Insulated
- Aluminium
- Acoustically insulated



## Insulated flexible ducts type TSD 25

The semi-rigid **TSD** duct is a thermally and acoustically insulated duct. It consists of a double aluminium layer, 3-layers at overlapping areas. The outer layer is ribbed, for easy and clean cutting of the duct. The inner duct is perforated, thus preventing accumulation of particles inside the duct. The fibreglass insulation is covered with a glass film for long endurance, 50mm available on request. This particular construction is in accordance with the regulations stipulated in DIN 24146 at low pressure loss. Zinc coated steel end pieces are fixed on either side of the duct to facilitate connection to ductwork

### Application

- The **TSD** flexible ducts are used in ventilation, air conditioning, and air handling systems where high mechanical strength, temperature, fire-resistance, and thermal and sound attenuation qualities are required

### Composition

- 2 layer aluminium
- Fibreglass insulation, thickness: 25 (or 50 mm upon request)
- Colour: Aluminium
- Standard length: 1 or 2 m

### Specification

- Temperature range: From - 30°C till + 200°C
- Air velocity (max): 25 m / sec (4912 ft / min)
- Operating pressure (max): see table
- Bend radius:
  - dia until 200mm: 2 x overall diameter
  - dia +200mm : 2,5 x overall diameter
- Diameter range: 82 mm - 450 mm
- Fire resistance: A1 according to DIN 4102

### Packaging

- Delivered in individual boxes or bulk transport

### Chemical resistance

- Good resistance to many organic solvents

### Static properties

- The **TSD** is suitable for applications where static discharges have to be avoided

### Restrictions

- The **TSD** ducts are not suitable for transporting air with concentrations of acid and base
- The **TSD** can not be used for discharging combustion gases from open fire places and oil-fired boilers

### Accessories

- PSB

### Order example

- TSD 25, 254, 1000

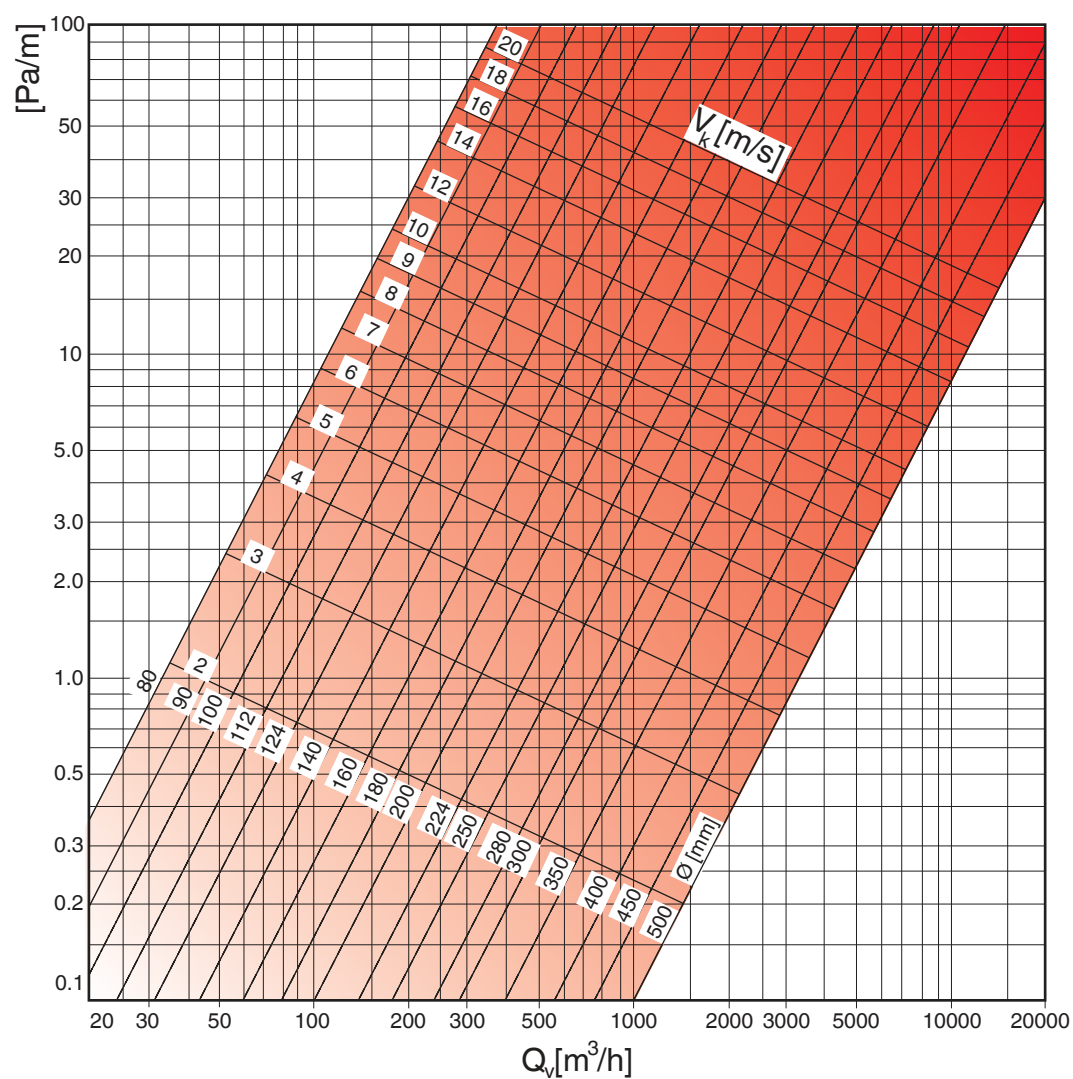
Explanation :

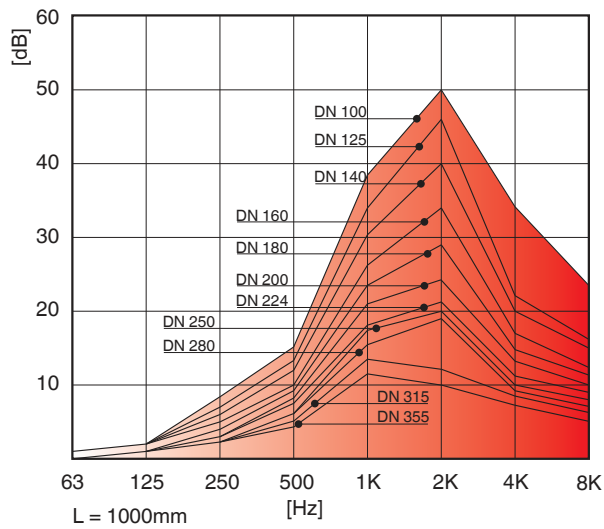
**TSD 25** = Type of Flexible duct

**254** = Diameter of flexible duct

**1000** = Length of flexible duct

### Pressure loss graph



**Attenuation for L= 1000 mm****Attenuation for L= 2000 mm**