

SOUND ATTENUATOR

Introduction

The Sound Attenuator consists of a Polypropylene fabric cloth inner duct, thermal insulated with a glass wool layer and provided with an aluminium laminated outer jacket. The inner duct is hydrophobic.

Both ends are taped to make ready-made connections.



Application

- Air supply systems
- Air conditioning systems
- Insertion loss damper
- Sound attenuator
- Decreasing sound of machines

SPECIFICATIONS

Temperature range: -30 °C to 140 °C
 pressure: up to +2500 Pa
 Operating air velocity: max. 25 m/s
 Min. bending radius: 0.54 x Ø + 25mm

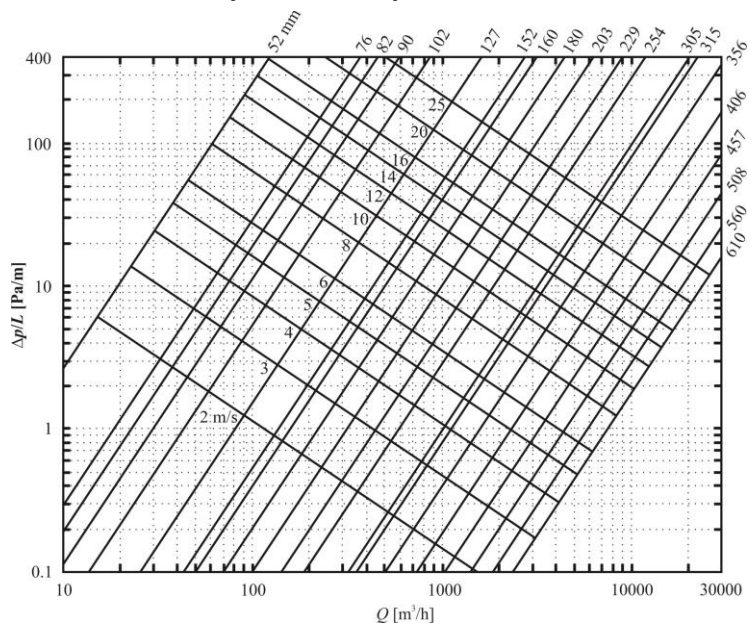
Standard diameter range: 82 – 315 mm
 Standard length: 0,5+1+1,5+2 mtr

CONSTRUCTION

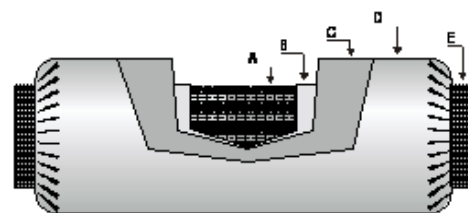
Inner duct: Non-woven Polypropylene fabric cloth
 Glass wool blanket: 25mm, 16kg/m³
 Outer jacket: alu/poly laminate
 R-value glass wool: 0.65 m² K/W (ASTM C177-76)
 Appearance: aluminium

Codes: 125mm 188860
 150mm 188870
 160mm 188871
 180mm 188880

PRESSURE LOSS (STRAIGHT DUCT)



- A. inner duct
- B. barrier X
- C. glass wool
- D. outer jacket
- E. gasket



SOUND ATTENUATOR



ubbink

Build smart.



Non-woven ins. 25mm (Test report nr. A1672-1/A3198-1 Peutz bv - The Netherlands)										
D _n (mm)	L (m)	Attenuation, dB - Mid-frequency, Hz								
		63	125	250	500	1000	2000	4000	8000	
125	1.0	11.7	18.9	32.4	29.9	28.8	34.5	40.9	24.5	
150	1.0	12.2	10.9	29.7	30.1	29.0	38.3	34.6	20.4	
160	1.0	19.3	25.4	30.5	27.1	23.8	32.2	27.8	17.3	
180	1.0	17.3	13.6	27.6	26.5	26.0	35.1	22.7	13.2	