

AFS SILENCER

CIRCULAR DUCT TYPE SOUND ABSORBER



AFS SILENCER circular duct type sound absorbers are multi-purpose sound absorbers specifically produced for low and medium pressure heating, cooling, ventilation and air conditioning systems.

AFS SILENCER circular duct type sound absorbers are produced from multi layer aluminium, (micro perforated) strengthened with high-tension hard steel spring wire, surrounded with glass wool insulation (25/50 mm thickness and 16 kg/m³ density). The insulating material is surrounded with either a plain aluminium vapour barrier or multi-layer aluminium, high-tension hard steel spring wire reinforced outer jacket. Both types of outer are airtight.

AFS SILENCER circular duct type sound absorbers are available in fire resistant and non-flammable versions; they can be easily fitted to circular, oval or rectangular connectors.

The fire resistance of Rectangular **AFS-ALU** non-insulated aluminium rectangular flexible air ducts has been tested and certified by various international bodies. In case of fire no toxic or poisonous gases are released.

PROPERTIES & ADVANTAGES

MICRO PERFORATED FLEXIBLE ALUMINIUM LAMINATED INNER

- Reduces noise level
- Fire resistant (AFS SILENCER)
- 100% Non-flammable (AFS SILENCER HT)
- Highly resistant to shocks and tears
- Highly resistant to UV rays
- Chemically resistant
- Maintenance free
- Energy-efficient

FLEXIBLE CONSTRUCTION

- Easily stored
- Easily transported
- Quickly and easily installed

HIGH TENSION STEEL WIRE

- Highly durable
- Highly resistant to deformation
- Easily installed

SMOOTH INNER SURFACE

- Minimal pressure loss
- Low operational cost
- Anti-static/Dust-proof interior

GLASS WOOL INSULATION

- Energy efficient
- Perfect insulation property
- Non-condensing

ALUMINIUM LAMINATED OUTER JACKET

- Fire resistant (AFS SILENCER)
- Non-flammable (AFS SILENCER HT)
- Highly resistant to shocks and tears
- Impermeable to UV rays
- Highly resistant to UV rays
- 98% reflective
- Chemically resistant
- Maintenance free
- Condensation proof
- Airtight

TECHNICAL PROPERTIES

	AFS SILENCER	AFS SILENCER HT
Inner Duct Construction	Aluminium (Micro perforated)	Aluminium (Micro perforated)
Nominal Thickness of Inner	74 micron	74 micron
Outer Barrier Construction	Aluminium	Aluminium (steel wire reinforced)
Nominal Thickness of Outer	49 micron	74 micron
Insulation	25/50mm glass wool, 16 kg/m ³	25/50mm glass wool, 16 kg/m ³
Available Diameters	52mm - 508mm	52mm - 508mm
Temperature Range	-30°C / +150°C	-30°C / +250°C
Air Velocity	30m/s (Max)	30m/s (Max)
Operating Pressure	2000Pa (Max)	2000Pa (Max)
Standard Length	0.5m, 1m	0.5m, 1m
Packing	Single cardboard box	Single cardboard box
Fire Certificates	CSI Class-1 (ITALY) CSTB M0 (FRANCE)	CSTB M1 (FRANCE) MPA 6Q3 (SWITZERLAND)

