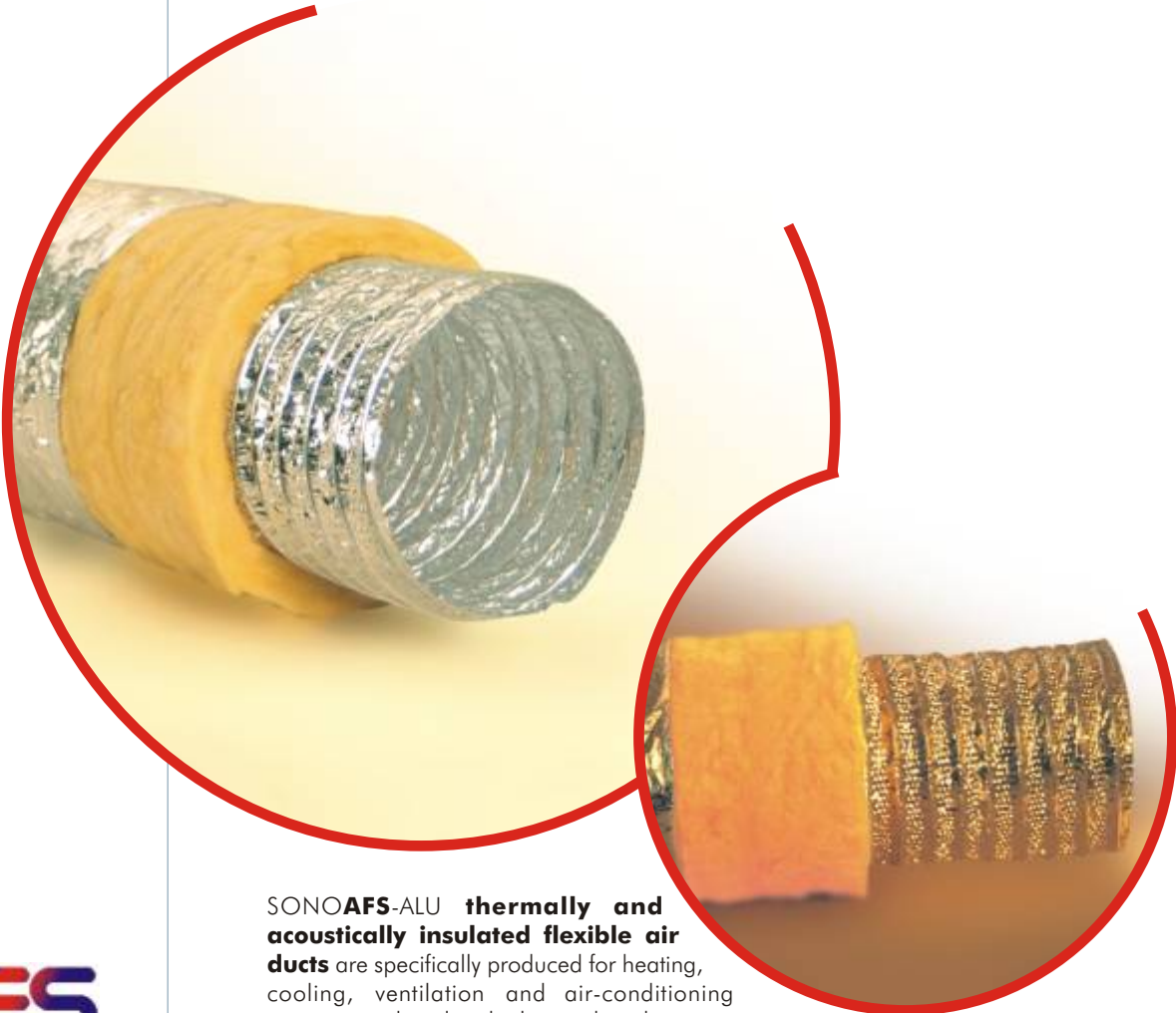


SONOAFS-ALU

THERMALLY & ACOUSTICALLY INSULATED AIR DUCTS



SONOAFS-ALU **thermally and acoustically insulated flexible air ducts** are specifically produced for heating, cooling, ventilation and air-conditioning systems, produced under low and medium pressure. Airtight SONOAFS-ALU 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) and airtight aluminium vapour barrier.

SONOAFS-ALU **thermally and acoustically insulated flexible air ducts** have high elasticity and flexibility. Oval, circular and rectangular connectors are easy to install.

The fire resistance of SONOAFS-ALU **thermally and acoustically insulated flexible air ducts** are tested in different countries and certificated. In case of fire no toxic and poisonous gases are released.

PROPERTIES & ADVANTAGES

ALUMINIUM LAMINATED INNER FLEXIBLE DUCT

Noise absorption
 Fire resistance (SONOAFS-ALU.70)
 100% Non-flammable (SONOAFS-ALU.70 F)
 High resistance to UV rays
 Resistant to chemicals
 Easy care and low maintenance

FLEXIBLE & SEAMLESS CONSTRUCTION

Easy to store
 Easy to transport
 Low installation cost
 High resistance to wear and tear
 Airtight
 Low energy consumption
 Low operational and maintenance cost

HIGH TENSION STEEL WIRE

High tenacity
 High resistance to deformation
 Easy to install

SMOOTH INNER FRAME

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

GLASS WOOL INSULATION

Heat resistant (certificated)
 Minimal energy loss
 Perfect insulation property
 Non-condensation

ALUMINIUM LAMINATED OUTER JACKET

Fire resistant (certificated)
 High resistance to wear and tear
 Impermeability to UV rays
 High resistance to UV rays
 98% reflection property
 Resistant to chemicals
 Easy care and low maintenance

TECHNICAL PROPERTIES

	SONOAFS-ALU.70	SONOAFS-ALU.70F
Inner Flexible Construction	Aluminium (Micro perforated)	Aluminium (Micro perforated)
Nominal Thickness of Inner D.	74 micron	55 micron
Outer Barrier Construction	Aluminium	Aluminium
Nominal Thickness of Out. J.	45 micron	45 micron
Insulation	25/50 mm glass wool, 16 kg/m ³	25/50 mm glass wool, 16 kg/m ³
Diameter Range	82 mm - 508 mm	82 mm - 508 mm
Temperature Range	-30°C / +150°C	-30°C / +250°C
Air Velocity	30 m/s (Max.)	30 m/s (Max.)
Operation Pressure	2000 Pa (Max.)	2000 Pa (Max.)
Standard Length	10 m.	10 m.
Packing	Single cardboard box	Single cardboard box
Fire Certificates	CSTB M1 (FRANCE) CSI Class-1 (ITALY)	CSTB M0 (FRANCE) (inner duct) CSTB M1 (FRANCE) (outer jacket) CSI Class-1 (ITALY) (outer jacket)

For special order M0+M0 is available.
 Upon request a PE barrier between the duct and glass wool is available.