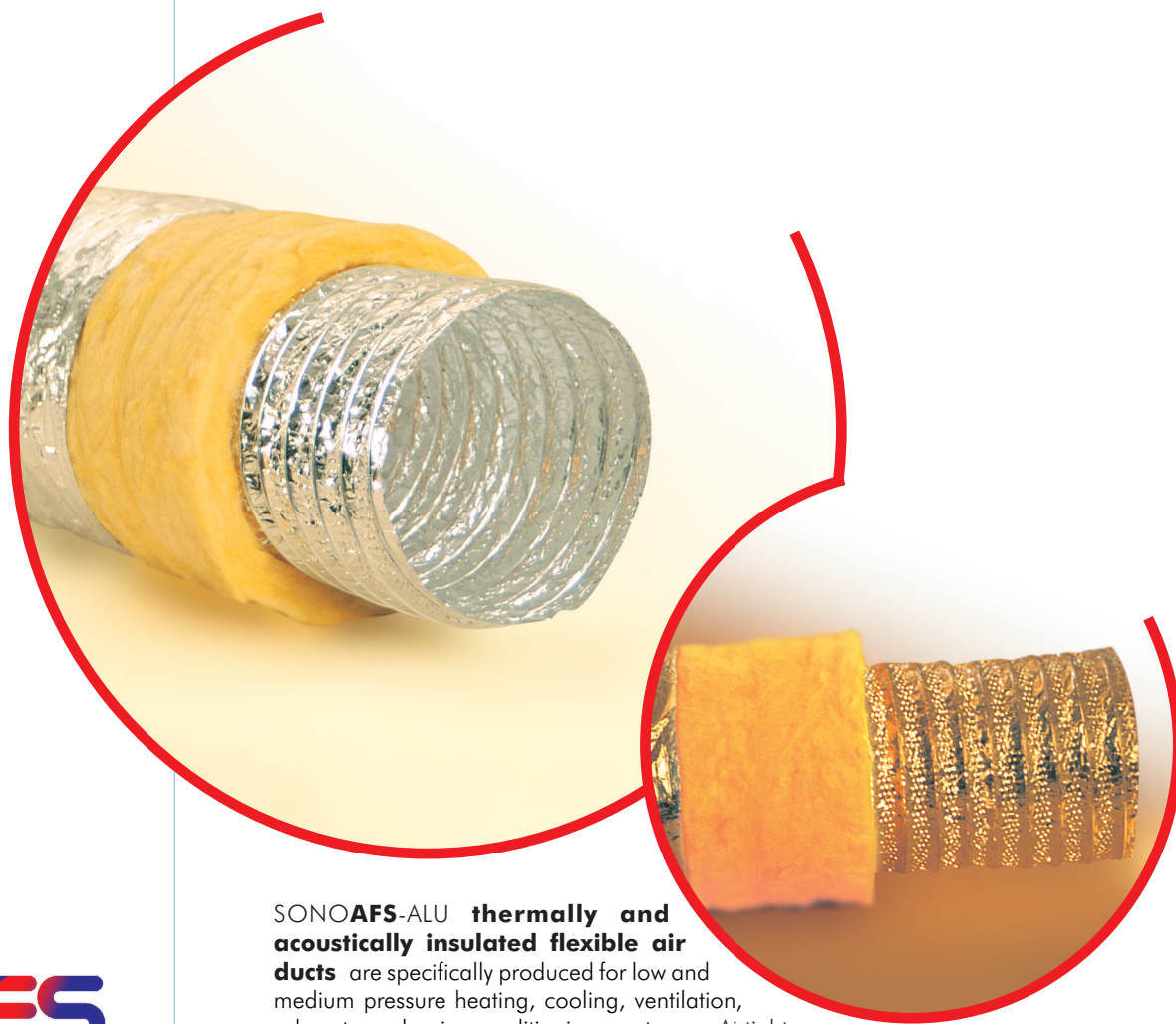


SONOAFS-ALU

THERMALLY & ACOUSTICALLY INSULATED AIR DUCTS



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

SONOAFS-ALU **thermally and acoustically insulated flexible air ducts** have high elasticity and flexibility. They can be easily fitted to circular, oval or rectangular connectors.

The fire resistance of SONOAFS-ALU **thermally and acoustically insulated 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

ALUMINIUM LAMINATED INNER FLEXIBLE DUCT

Noise absorption (refer to page 40)
Fire resistance (SONOAFS-ALU.70)
100% Non-flammable (SONOAFS-ALU.70 F)
Highly resistant to UV rays
Chemically resistant
Maintenance free

FLEXIBLE & SEAMLESS CONSTRUCTION

Easy storage
Easily transported
Low installation cost
High resistance to wear and tear
Airtight
Low energy consumption
Low operation and maintenance costs

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

GLASS WOOL INSULATION

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

ALUMINIUM LAMINATED OUTER JACKET

Fire resistant (Certified)
High resistance to wear and tear
Impermeable to UV rays
Highly resistant to UV rays
98 % reflective
Chemically resistant
Maintenance free

TECHNICAL PROPERTIES

	SONOAFS-ALU.70	SONOAFS-ALU.70 F
Inner Duct Construction*	Aluminium (Micro perforated)	Aluminium (Micro perforated)
Nominal Thickness of Inner	74 micron	74 micron
Outer Barrier Construction	Aluminium	Aluminium
Nominal Thickness of Outer	49 micron	49 micron
Insulation	25/50 mm glass wool, 16 kg/m ³	25/50 mm glass wool, 16 kg/m ³
Available Diameters	52 mm - 508 mm	52 mm - 508 mm
Temperature Range	-30°C / +150°C	-30°C / +250°C
Air Velocity	30 m/s (Max.)	30 m/s (Max.)
Operating 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)

*A PE barrier between the duct and the glass wool is optionally available.

**M0+M0 is available as an option.