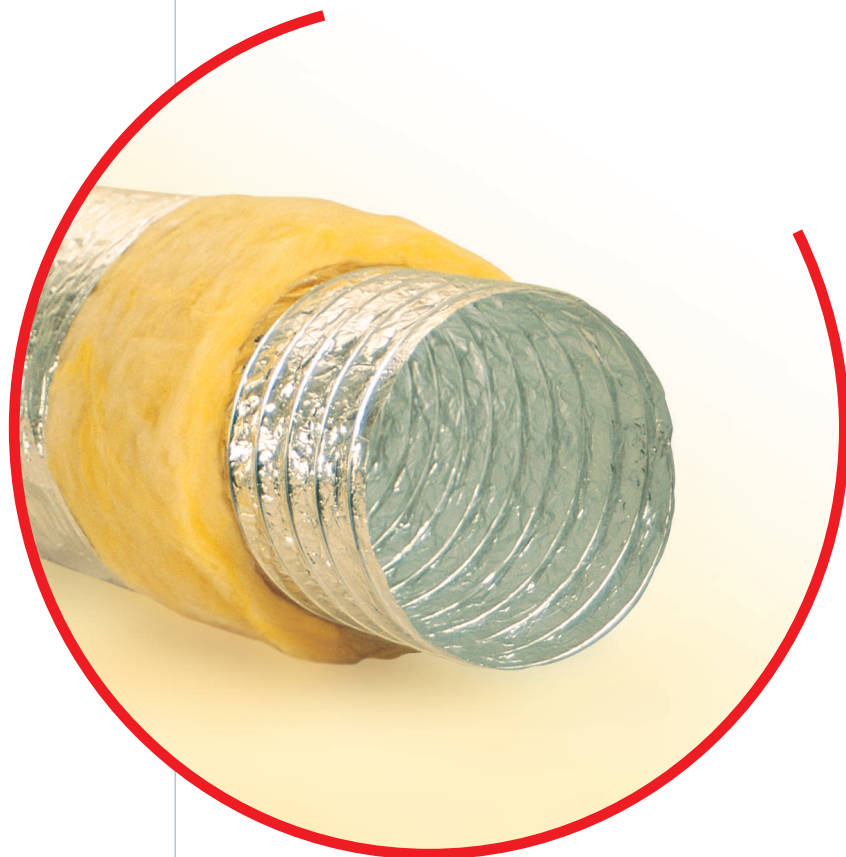


ISOAFS-ALU

INSULATED ALUMINIUM FLEXIBLE AIR DUCTS



ISOAFS-ALU **insulated flexible air ducts** are specifically produced for low and medium pressure heating, cooling, ventilation, exhaust and air conditioning systems. ISOAFS-ALU are produced from multi layer aluminium, strengthened with high tension hard steel spring wire, surrounded with glass wool insulation (thickness 25/50 mm, density 16 kg/m³) with an aluminium vapour barrier.

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

The fire resistance of ISOAFS-ALU **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 INTERIOR FLEXIBLE DUCT

Fire resistant (ISOAFS-ALU.70)
100 % Non-flammable (ISOAFS-ALU.70 F)
Impermeable to UV rays
Highly resistant to UV rays
98% reflective
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 interior

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

	ISOAFS-ALU.70	ISOAFS-ALU.70 F
Inner Duct Construction	Aluminium	Aluminium
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 Diameter	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	3000 Pa (Max.)	3000 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) MPA 6Q3(SWITZERLAND)(inner duct) CSTB M1 (FRANCE) (outer jacket) CSI Class-1 (ITALY) (outer jacket)

*M0+M0 is available as an option.

