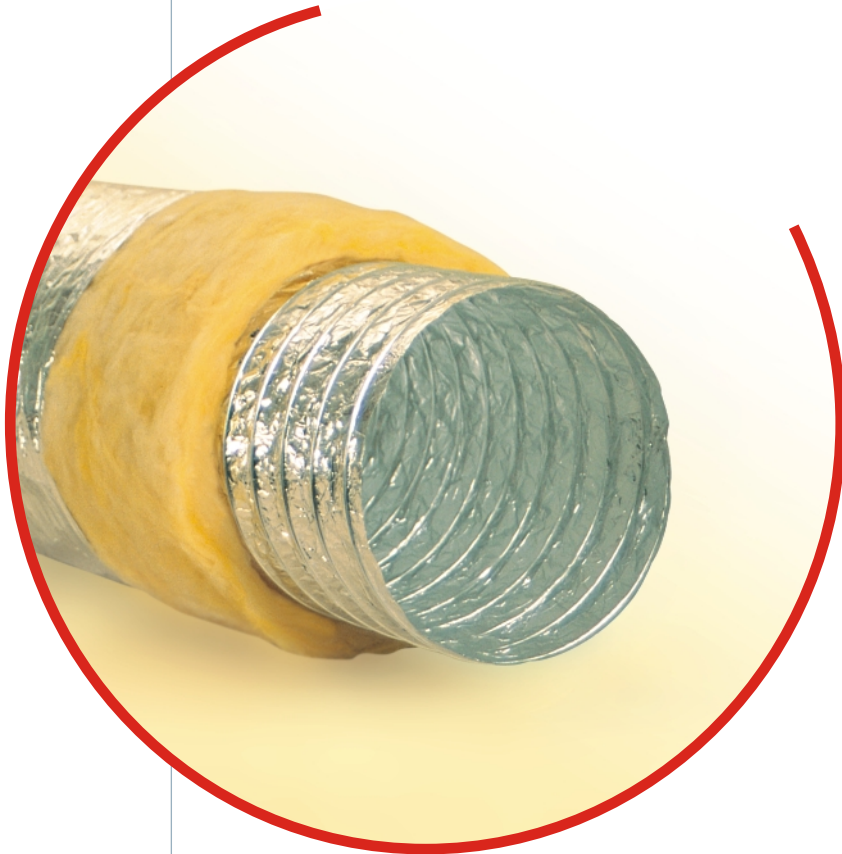


ISOAFS-ALU

INSULATED ALUMINIUM FLEXIBLE AIR DUCTS



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

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

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

Fire resistant (ISOAFS-ALU.70)
 100 % Non-flammable (ISOAFS-ALU.70 F)
 Impermeability to UV rays
 High resistance to UV rays
 98 % reflection property
 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 SURFACE

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

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

| | ISOAFS-ALU.70 | ISOAFS-ALU.70 F |
|--------------------------------------|---|--|
| Inner Flexible Construction | Aluminium | Aluminium |
| Nominal Thickness of Inner D. | 74 micron | 55 micron |
| Outer Barrier Construction | Aluminium | Aluminium |
| Nominal Thickness of Outer 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 | 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) |

For special order M0+M0 is available.