



# ALUAFS<sup>®</sup>

## NON-INSULATED ALUMINIUM FLEXIBLE AIR DUCTS



- ALUAFS non-insulated aluminium flexible ducts are specifically produced for low and medium pressure heating, cooling, ventilation, exhaust and air conditioning systems.
- Airtight ALUAFS is produced from multi-layer aluminium and polyester strengthened with high tension hard steel spring wire.
- ALUAFS has high elasticity and flexibility. It can be easily fitted to circular, oval or rectangular connectors.
- The fire resistance of ALUAFS has been tested and certified by various international bodies. In case of fire, no toxic or poisonous gases are released.



TYPES	ALUAFS.70	ALUAFS.70 UL	ALUAFS.F
Inner Duct Construction	3 ply Aluminium, 2 ply Polyester	3 ply Aluminium, 2 ply Polyester	3 ply Aluminium, 1 ply Polyester
Nominal Thickness of Inner Duct	70 micron	70 micron	74 micron
Available Diameters (Ø)	52 mm - 800 mm	102 mm - 254 mm	82 mm - 800 mm
Temperature Range	-30 °C / +150 °C	-30 °C / +150 °C	-30 °C / +250 °C
Air Velocity	30 m/s (max)	30 m/s (max)	30 m/s (max)
Operating Pressure	3000 Pa (max)	3000 Pa (max)	3000 Pa (max)
Standard Length	10 m	10 m	10 m
Packing	Single Cardboard Box	Single Cardboard Box	Single Cardboard Box
Reaction to Fire	Difficult to Ignite	Difficult to Ignite	Limited Combustibility
Fire Certificates	M1 (France), Class 0 (U.K.), Class 1 (Italy), Class B - s1, d0 EN ISO 11925-2 single flame source test report EN ISO 13823 single burning item test report	 UL 181 Class 1	M0 (France) 6q3 (Switzerland) EN ISO 1716 gross calorific value test report
Available Options Upon Request	Rectangular Type, Customized Lengths, Private Labeling, Net Packing, Plastic Bag Packing, Bulk Packing		

### PROPERTIES & ADVANTAGES

#### ALUMINIUM LAMINATED BODY

- Difficult to ignite (ALUAFS.70) • Limited combustibility (ALUAFS.F) • High resistance to UV rays
- 98% reflective • Resistant to chemicals • Impermeable to UV rays

#### FLEXIBLE & SEAMLESS CONSTRUCTION

- Easy to store • Easy to transport • Low installation cost • High resistance to wear & tear
- Airtight • Low operation and maintenance costs

#### SMOOTH INNER SURFACE

- Minimum Pressure Loss • Anti-static • Dust proof interior

#### HIGH TENSION STEEL WIRE

- High resistance • High resistance to deformation • Easy to install



"Motivation for ventilation"



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