



Flexible insulated duct IZOFLEX PRO



Lightweight,
aluminium



Flexible



Easy
assembly



Durable, high
quality

Description

Flexible insulated duct "IZOFLEX PRO", applied to usage in ventilation and air conditioning systems. Mineral wool insulation, with increased density, serves as superb thermal protection. Ducts are adapted to transport the medium at a temperature range from -30°C to 150°C.

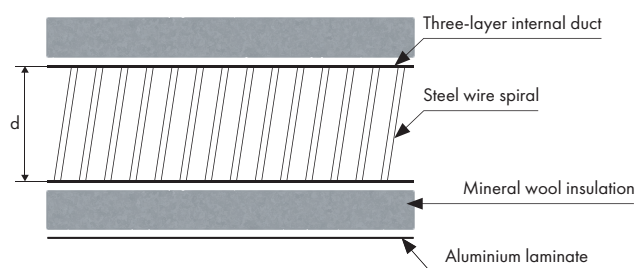
Usage

Flexible insulated ducts are mainly used in the end section of the air supply system, for connecting plenum boxes or diffusers. They reduce the need for ventilation fittings and specialised tools. In addition, they effectively reduce system vibration.

Design

Internal duct is made of three-layer aluminium foil laminate with polyester, reinforced with steel wire helix. Thermally insulated with 25 mm thick mineral wool. External layer consists of two layers: laminated aluminium and polyester foil. Duct is divided into sections of 10 m and is packed in boxes with a length of 1,2 m.

Technical drawing



Technical specifications

Diameter d [mm]	Temperature [°C]	Permissible pressure [Pa]	Max air speed [m/s]	Internal duct	Insulation thickness [mm]	Insulation density [kg/m³]	Thermal resistance of insulation [m² K/W]	Outer sheath	Length	Fire reaction class
102	-30 / +150	2500	30	Three-layer laminate of aluminium foil with polyester, reinforced with a spiral of steel wire	25	12	0,55	laminated aluminium, polyester film	10 m ± 2%	UK (BS476): Part 7 Class 1 Part 6 Class 0 EU (EN 13501-1): B-s1, d0 FR (NF): M1 (ASTM-E - 84/UL723)
127	-30 / +150	2500	30		25	12	0,55		10 m ± 2%	
165	-30 / +150	2500	30		25	12	0,55		10 m ± 2%	
203	-30 / +150	2500	30		25	12	0,55		10 m ± 2%	
254	-30 / +150	2500	30		25	12	0,55		10 m ± 2%	
318	-30 / +150	2500	30		25	12	0,55		10 m ± 2%	