

## FLEXIBLE DUCT - Insulated



THERMAL INSULATED DUCTING	
ITEM #	SIZE mm (Diameter) X 10Metre Length
110000/10	102mm dia Insulated Flex
110001A/10	127mm dia Insulated Flex
110001/10	152mm dia Insulated Flex
110003/10	203mm dia Insulated Flex
110005/10	254mm dia Insulated Flex
110007/10	305mm dia Insulated Flex
110008/10	315mm dia Insulated Flex
110009/10	356mm dia Insulated Flex
110011/10	406mm dia Insulated Flex

The insulated flex consist of an aluminium laminate inner duct, thermally insulated with a glass wool layer and provided with an aluminium laminated outer jacket. The thermal insulation is suitable for preventing condensation and minimizing heat loss and loss of cold.

### Application

- Steam return lines
- Insulation in ventilation and air supply systems
- Air conditioning systems
- Thermic insulation in order to prevent heat loss or loss of cold
- Preventing of condensation in ventilation systems

### Specifications

Temperature range:	-30 °C to 140 °C
Operating pressure:	up to +2500 Pa
Operating air velocity:	max. 30 m/s
Min. bending radius:	0.54 x Ø + 25mm
Standard diameter range:	102 - 406 mm
Standard length:	10 mtr

### Construction

Inner duct:	Alu/poly laminate
Glass wool blanket:	25mm, 16kg/m <sup>3</sup>
Outer jacket:	Alu/poly laminate
R-value glass wool:	0.65 m <sup>2</sup> K/W (ASTM C177-76)
Appearance:	Aluminium

### Classifications

UK (BS476):	Part 6, 7 & 20
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**FLEXIBLE DUCT - Uninsulated**



LAMINATED DUCTING	
ITEM #	SIZE mm (Diameter) X 10Metre Length
110000/10	102mm dia Laminated Ally Flex
110001A/10	127mm dia Laminated Ally Flex
110001/10	152mm dia Laminated Ally Flex
110003/10	203mm dia Laminated Ally Flex
110005/10	254mm dia Laminated Ally Flex
110007/10	305mm dia Laminated Ally Flex
110008/10	315mm dia Laminated Ally Flex
110009/10	355mm dia Laminated Ally Flex
110011/10	405mm dia Laminated Ally Flex

The ally ducts are flexible, strong laminate ducts for various purposes. The ducts consist of several layers of aluminium and polyester, with a high tensile steel spiral helix enclosed between the layers. The duct can be attached to round and oval connection parts without any problems. The fire resistance of the ally ducts has been tested according to the current UK standards. Because of the "sandwich construction", the different layers of polyester and aluminium are overlapping each other completely. In case of fire, the system is able to function longer.

**Application**

- Air supply systems, where a higher temperature resistance is required
- Air conditioning systems, where a higher temperature resistance is required

**Specifications**

Temperature range:	-30 °C to 250 °C
Operating pressure:	up to +3000 Pa
Operating air velocity:	max. 30 m/s
Bending radius:	min. 0.58 x Ø
Standard diameter range:	102 - 405 mm
Standard length:	10 mtr

**Construction**

Total layers:	4
of aluminium:	3 @ 25 microns
of polyester:	1 @ 12 microns
Total Thickness:	87 microns (excl, adhesive)
Wire spacing:	12, 18, 25mm
Appearance:	Aluminium

**Classifications**

UK (BS476):	Part 6, 7 & 20
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