



ISODEC A23

THERMAL INSULATED DUCTING

The **ISODEC A23** series consists of a multiple aluminium laminated layer inner duct, thermally insulated with a bionic classified mineral wool layer and is provided with a strong aluminium laminated vapor barrier 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

Article code:	A23I{Ø}
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:	82 – 508 mm
Standard length:	10 mtr

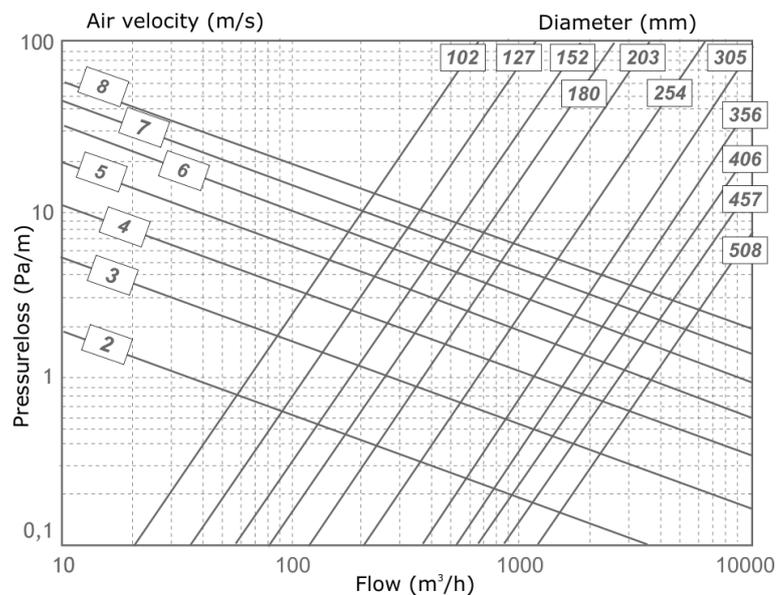
CONSTRUCTION

Inner duct 5 layers:	alu/poly laminate
of aluminium:	3 à 7 microns
of polyester:	2 à 12 microns
Total thickness:	45 µ(excl. adhesive)
Mineral wool blanket:	32mm, 12.5kg/m ³
Color wool:	Terra Green
Vapor barrier 3 layer:	Alu/poly laminate
of aluminium:	1 à 7 microns
of polyester:	2 à 12 microns
Total thickness:	32 µ (excl. adhesive)
R-value glass wool:	0.65 m ² K/W (ASTM C177-76)
Appearance:	Aluminium

CLASSIFICATIONS

	According to:
UK (BS476):	Part 6, 7 and 20
EU (EN 13501-1):	B-s1,d0
NL(NEN 6065/6066):	1
FR (NF):	M1

PRESSURE LOSS (STRAIGHT DUCT)



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The **ISODEC A23** fulfills all the requirements and are classified as specified within EN 13180: *Ventilation for buildings – Ductwork - Dimensions and mechanical requirements for flexible ducts.*

The **ISODEC A23** is also available, on request, with a 50 mm glass wool layer, the article number is: A23I50{Ø}
R-value glass wool: 1.3 (50 mm) m² K/W (ASTM C177-76).

Reach/RoHs Compliant

Directive 2011/65/EU RoHS

Phthalates according to 1907/2006/EC REACH

Test result: Pass - The test items meets the requirements of the test specification



LIABILITY:

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PLEASE NOTICE:

The consultant is responsible for the actual installation and mounting of the product. The mentioned values with respect to temperatures are not appropriate to be used to determine the physical properties. These properties are also dependent on humidity and the temperature of the air inside and outside of the H.V.A.C. system.

TRADEMARKS:

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RESTRICTIONS:

The ISODEC ducts are not suitable for discharging combustion products from open fireplaces and oil-fired boilers. Neither are the ISODEC ducts suitable for transporting air with a high concentration of acid and base.