



AFRICA AIRCONDITIONING & INSULATION SYSTEMS

YOUR ONE STOP HVAC SUPPLIER

TECHNICAL CATALOGUE

Isodec A Flexible ducting



ISODEC A

Isodeck-A is manufactured using Aluflex as the inner core, wrapped in a 20mm fibre glass insulation blanket with the outer skin / vapour barrier in a durable AL-PET spirally wound sleeve.

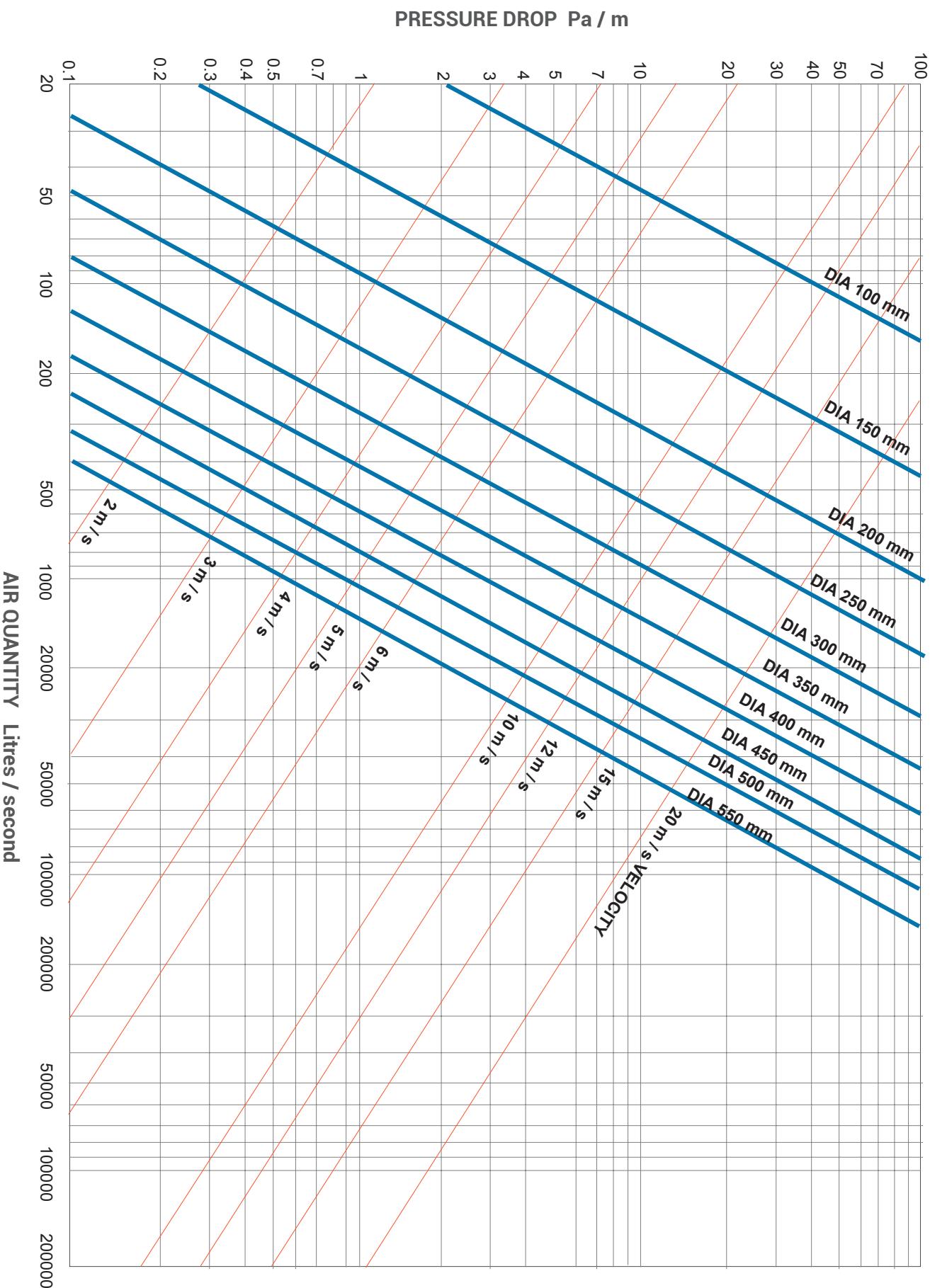
The Aluflex core is a fully flexible aluminium and polyester laminate duct consisting of 2 layers of 10 micron aluminium and 1 layer of 12 micron polyester giving it a total thickness of 47 micron. A high carbon spring steel wire is encapsulated in these layers to give the flexible its body.

This makes ISodec A is very durable and ideal for making final connections to diffusers and other outlets or inlets of air conditioning systems. Due to the fact that the AL-PET material is used in both the core and the outer sleeve the flexible is fire rated and has been tested and certified to be SANS 10177-3: 2005 Class 3 fire rated.



TECHNICAL DATA

Diameter Range:	150 mm to 508 mm
Temperature Range:	– 30° C to + 140° C
Air Velocity:	Max 30m/sec
Working Pressure:	Max 300 mm WG Min $(D/30 - 25) \times 9,81$ Pa
Fibreglass Thickness:	20 mm (Non-Combustible Glasswool)
Fibreglass Density:	14 kg/m ³
Standard Length:	10 metres packed into a plastic bag
Fire Rating:	SANS 10177-3.2005 Class 3 Fire Rating



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