



TECHNICAL SPECIFICATIONS

LENGTH	Normal = L	Piece - maximum	
WALL THICKNESS		6mm ±0,50mm	NEW 04.02
MINIMUM		-40°C	NEW 06.10
Maximum Internal Ventilation (Fixed Ducts ends air flow temperature 22°C)	TEMPERATURE	140°C (Working temperature)	NEW 05.05
		150°C (Peak temperature)	
BENDING RADIUS (x diameter internal)		1.4	NEW 04.04
INFLAMMABILITY		SELF EXTINGUISHING	NEW 06.05
BENDING CYCLES		2.000.000	NEW 04.10
TENSILE	STRENGTH	120 Kgf (- 5%)	NEW 04.08
COMPRESSION		75 Kgf (- 5%) (elastic deformation 10% Øint)	NEW 04.07
CORROSION RESISTANCE		YES	NEW 05.06
Pressure Drop (ΔP)		0.10 kPa	NEW 07.07
IMMERSION		4 min	NEW 06.06
SEALING		FUSING	NEW 04.01
RAW MATERIAL/Spring	POLYESTER / ALUMINUM ADHESIVE / POLYESTER		

Test were performed in duct of internal diameter 50mm.
Pressure Drop(ΔP): the duct diameter 50x500mm in IP 200 with a flow 200 m³/h.

TABLE OF DIAMETERS

INNER DIAMETER = Øi
24,5 mm
39 mm
40 mm
41 mm
43 mm
45,5 mm
46 mm
47,5 mm
50 mm
51,5 mm
55 mm
58 mm
60 mm
63,5 mm
65 mm
70 mm
73 mm
76 mm
80 mm
90 mm
100 mm
105 mm
110 mm
120 mm
150 mm

* more diameters on request

NEW WdB TEST STANDARD

NEW 01.00	GENERAL SPECIFICATION FOR FLEXIBLE DUCTS
NEW 04.01	SEALING DUCT PROCEDURE
NEW 04.02	WALL THICKNESS VERIFICATION
NEW 04.04	CURVATURE RADIUS
NEW 04.07	COMPRESSION STRENGTH
NEW 04.08	TENSILE STRENGTH
NEW 04.10	FLEXURAL STRENGTH
NEW 05.05	CONDITIONING IN AIR FLOW OVEN
NEW 06.01	INFLAMMABILITY
NEW 06.06	WATER IMMERSION RESISTANCE