



## TECHNICAL SPECIFICATIONS

<b>LENGTH</b>	Normal = L	Piece	
<b>WALL THICKNESS</b>		5mm ± 0,50mm	NEW 04.02
<b>MINIMUM TEMPERATURE</b>		-40°C	NEW 06.10
Maximum Internal Ventilation (Fixed Ducts ends air flow temperature 22°C)		140°C (Working temperature) 150°C (Peak temperature)	NEW 05.05
<b>BENDING RADIUS (x diameter internal)</b>		1.5	NEW 04.04
<b>INFLAMMABILITY</b>		SELF EXTINGUISHING	NEW 06.05
<b>BENDING CYCLES</b>		2.000.000	NEW 04.10
<b>TENSILE STRENGTH</b>		90 Kgf (- 5%)	NEW 04.08
<b>COMPRESSION STRENGTH</b>		62 Kgf (- 5%) (elastic deformation 10% Øint)	NEW 04.07
<b>CORROSION RESISTANCE</b>		YES	NEW 05.06
<b>Pressure Drop (ΔP)</b>		0.08 kPa	NEW 07.07
<b>IMMERSION</b>		4 min	NEW 06.06
<b>SEALING</b>		FUSING	NEW 04.01
<b>RAW MATERIAL/Spring</b>		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