



## 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)		120°C (Working temperature) 130°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>		60 Kgf (- 5%)	NEW 04.08
<b>COMPRESSION STRENGTH</b>		50 Kgf (- 5%) (elastic deformation 10% Øint)	NEW 04.07
<b>CORROSION RESISTANCE</b>		YES	NEW 05.06
<b>Pressure Drop (ΔP)</b>		0.12 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 / FCA - CELLULOSE THERMOADHESIVE FILM / POLYESTER	

## 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

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.

## NEW WdB TEST STANDARD

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