

## Jensen Ventilation Flexible Ducting – Technical specification

**General:** All seams and other joining works are fully welded (vulcanized) 40 mm wide. No sewing. Suspension hooks are welded to the fabric at a distance of c/c 1 m on ducts <math>\varnothing</math> 900 mm and on ducts up to <math>\varnothing</math> 2000 mm with c/c 0,75 m. On duct diameter ><math>\varnothing</math> 2000 mm, two parallel lines of suspension hooks are welded on.

**Coupling A – JP Zip-joints:** Both duct ends made with a slit zipper (nylon zipper) of heavy duty type.

**Protection-sleeve** which on the outside protect the zipper and on the inside seals the joint according to the principle “the higher pressure the tighter joint”.

**Coupling B – JP steel clamps:** One end of each duct length is fitted with a steel ring, vulcanized to the fabric. One steel clamp made of galvanized 1,5 mm steel with locking device (threaded crank) closes the joint.

**Coupling C – JP Velcro-joints:** Both duct ends made with a Velcro of heavy duty type.

**Protection-sleeve** which on the outside protect the Velcro and on the inside seals the joint according to the principle “the higher pressure the tighter joint”

Every duct length is marked with information quality, length, diameter, bursting pressure point and manufacturing date.

		JP 551 FR Yellow	JP 651 FR Yellow	JP 753 FR White	JP 651 FRA Black & White
Base fabric:		Polyester			
Yarn thickness: (dtex)		1100	1430	1430 x 2200	1430
Yarn / inch:	Warp	12	12	20	12
	Weft	12	12	20	12
Coating:		Plasticized PVC			
Tensile strength: (N/5 cm) (DIN 53354)	Warp	1700	2100	2350	2100
	Weft	1700	2100	2550	2100
Tear strength: (N) (DIN 53363)	Warp	400	500	500	500
	Weft	400	500	700	500
Welding strength: (N/5 cm) (DIN 53 357)		1550	1900	2200	1900
Total weight: g/m <sup>2</sup>	(DIN 53 352)	550	670	750	650
Flame Resistance: (EN 13501-1)		YES			
Conductivity : (ISO 284)		<math>< 10^8 \Omega</math>			

Diameter (mm)	Bursting Pressure Point (kPa)			
300	203,9	250,1	309,4	250,1
400	152,9	188,7	232,1	188,7
500	122,3	150,9	185,6	150,9
600	102,1	125,7	154,7	125,7
700	87,4	107,8	132,6	107,8
800	76,4	94,3	116,1	94,3
900	67,9	83,8	103,1	83,8
1000	61,1	75,5	92,8	75,5
1100	55,5	68,6	84,4	68,6
1200	50,9	62,9	77,3	62,9
1300	47,1	58,1	71,4	58,1
1400	43,6	53,9	66,3	53,9
1500	40,8	50,3	61,9	50,3
1600	38,2	47,2	58,1	47,2
1700	35,9	44,4	54,6	44,4
1800	33,9	41,9	51,5	41,9
1900	32,1	39,7	48,8	39,7
2000	30,5	37,7	46,4	37,7
2100	29,1	35,9	44,2	35,9
2200	27,8	34,3	42,2	34,3
2300	26,5	32,9	40,4	32,9
2400	25,5	31,4	38,7	31,4
2500	24,4	30,2	37,1	30,2
2600	23,5	29,1	35,6	29,1
2700	22,6	27,9	34,3	27,9
2800	21,8	26,9	33,1	26,9
2900	21,1	25,8	31,4	25,8
3000	20,3	25,2	30,4	25,2

The above figures are average values  $\pm$  10% valid for test of new material.