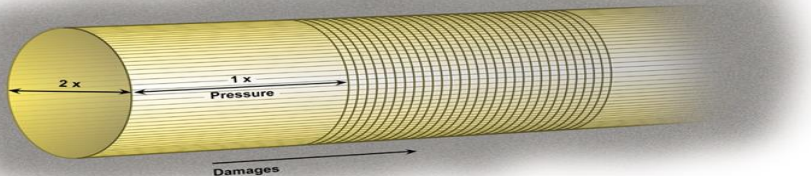


## Specification Ventiflex ventilation ducts

	VENTIFLEX 6117FR	VENTIFLEX 6212FR	VENTIFLEX 6298FR	VENTIFLEX 6698FR	VENTIFLEX 7111FRAS	VENTIFLEX 7198FRAS	VENTIFLEX 7117FRAS
1. Total weight g/m <sup>2</sup> :	600	600	685	735	800	850	620
2. Tensile strength acc. to EN 12311-2 N/5cm warp approx.: weft approx.:	1200 1400	1745 1850	1830 2100	1830 2600	1800 2000	1940 2180	1745 1850
3. Tear strength trapezoid acc. to EN 12310-2N warp: weft:	350 400	450 600	530 700	530 850	500 600	600 700	450 600
4. Fire resistant DIN 75200SE BS3119:1959	DIN 75200	DIN 75200 UNI9177	DIN75200/ EN13501-1	DIN 75200/ EN13501-1	DIN 75200/ ISO3795	DIN 75200/ EN11925-2	DIN 75200/ ISO 3795 UNI9177
5. Yarn Dtex	PES 1050/1200	PES 1100/1670	PES 1100/1670	PES 1100/2200	PES 1100/1670	PES 1100/1670	PES 1100/1670
6. Surface resistivity acc. to DIN 53482					≤3·10 <sup>8</sup> Ω	≤1·10 <sup>8</sup> Ω	≤3·10 <sup>8</sup> Ω
7. Certified	ISO 9001 / ISO 14001	ISO 9001 / ISO 14001	ISO 9001 / ISO 14001	ISO 9001 / ISO 14001	ISO 9001 / ISO 14001	ISO 9001 / ISO 14001	ISO 9001 / ISO 14001

The given values are average and may vary +/- < 10%.  
FR = Fire Resistant  
AS = Antistatic



The strength of the duct fabric is determined by the design of the textile. The strength should be designed stronger in radial (weft) direction, then in axial (warp) direction. So by evaluation of qualities, the weft value is of most importance, as this act to withstand the air-pressure, mechanical stress, and damage.

Drammen, 2018

### Calculated Burst Pressure for Ventiflex, n=1,0

Safety Factor n=1

	Value
6117FR	1400
6212FR	1850
6298FR	2100
6698FR	2600
7198FRAS	2180
7111FRAS	2000
7117 FRAS	1850

	6117FR	6212FR	6298FR	6698FR	7111FRAS	7198FRAS	7117FRAS
Diameter							
200	300 000	366 000	420 000	520 000	400 000	436 000	366 000
300	200 000	244 000	280 000	346 667	266 667	290 667	244 000
400	165 470	183 000	210 000	260 000	200 000	218 000	183 000
500	131 400	146 400	168 000	208 000	160 000	174 400	146 400
600	109 800	122 000	140 000	173 333	133 333	145 333	122 000
700	99 111	104 571	120 000	148 571	114 286	124 571	104 571
800	83 076	91 500	105 000	130 000	100 000	109 000	91 500
900	70 000	81 333	93 333	115 556	88 889	96 889	81 333
1000	65 705	73 200	84 000	104 000	80 000	87 200	73 200
1100	59 406	66 545	76 364	94 545	72 727	79 273	66 545
1200	54 900	61 000	70 000	86 667	66 667	72 667	61 000
1300	50 404	56 308	64 615	80 000	61 538	67 077	56 308
1400	46 875	52 286	60 000	74 286	57 143	62 286	52 286
1500	43 206	48 800	56 000	69 333	53 333	58 133	48 800
1600	40 560	45 750	52 500	65 000	50 000	54 500	45 750
1700	38 755	43 059	49 412	61 176	47 059	51 294	43 059
1800	36 000	40 667	46 667	57 778	44 444	48 444	40 667
1900	34 200	38 526	44 211	54 737	42 105	45 895	38 526
2000	32 944	36 600	42 000	52 000	40 000	43 600	36 600
2100	30 600	34 857	40 000	49 524	38 095	41 524	34 857
2200	29 750	33 273	38 182	47 273	36 364	39 636	33 273
2300	27 990	31 826	36 522	45 217	34 783	37 913	31 826
2400	27 000	30 500	35 000	43 333	33 333	36 333	30 500
2500	26 105	29 280	33 600	41 600	32 000	34 880	29 280
2600	25 222	28 154	32 308	40 000	30 769	33 538	28 154
2700	24 304	27 111	31 111	38 519	29 630	32 296	27 111
2800	23 405	26 143	30 000	37 143	28 571	31 143	26 143
2900	22 555	25 241	28 966	35 862	27 586	30 069	25 241
3000	21 678	24 400	28 000	34 667	26 667	29 067	24 400
3100	20 788	23 613	27 097	33 548	25 806	28 129	23 613
3200	19 800	22 875	26 250	32 500	25 000	27 250	22 875

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