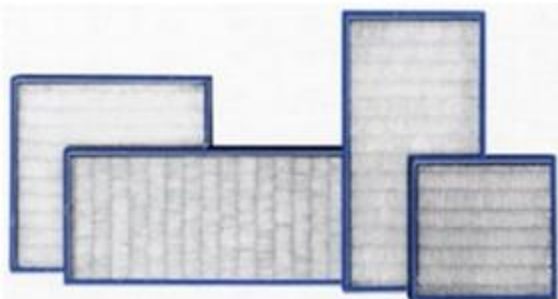


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ABSOLUTE LAMINAR FLOW FILTERS



TYPICAL APPLICATIONS

To be used for absolute air filtration in controlled contamination environments, installed in final unidirectional units. The increased depth assures a lower pressure drop at the face velocity of 0,45 m/s than the standard laminar filters

TECHNICAL CHARACTERISTICS

MEDIA = Glass fibre paper.

SEPARATORS = Cotton threads with hot melt gluing.

FRAME = Anodized aluminium profile 78 mm deep.

FACE GUARDS = Epoxy painted expanded aluminium grids on both sides.

SEALANT = Two components cold moulded polyurethane.

GASKET = One piece cold moulded expanded polyurethane.

EFFICIENCY

EUROVENT 4/4 FILTRATION CLASS		CEN-EN 1822 FILTRATION CLASS			
CODE	CLASS	Initial Efficiency Ei %	CLASS	Filters global efficiency % for MPPS particles	Local efficiency % for MPPS particles
AH	EU10	$95 \leq Ei < 99,9$	H10	$\geq 85 \%$	-
ST	EU13	$99,99 \leq Ei < 99,999$	H13	$\geq 99,95 \%$	99,75 %
SU	EU14	$99,999 \leq Ei$	H14	$\geq 99,995 \%$	99,975 %
SV	-		U15	$\geq 99,9995 \%$	99,9975 %

TESTING = Each filter individually tested according to EN 1822 standard.

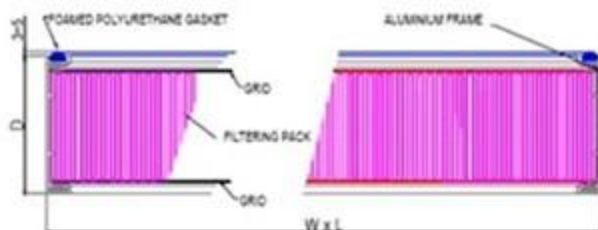
TEMPERATURE = 80°C max.

RELATIVE HUMIDITY = 100% max.

OPTIONS = Antibacterial treatment on request

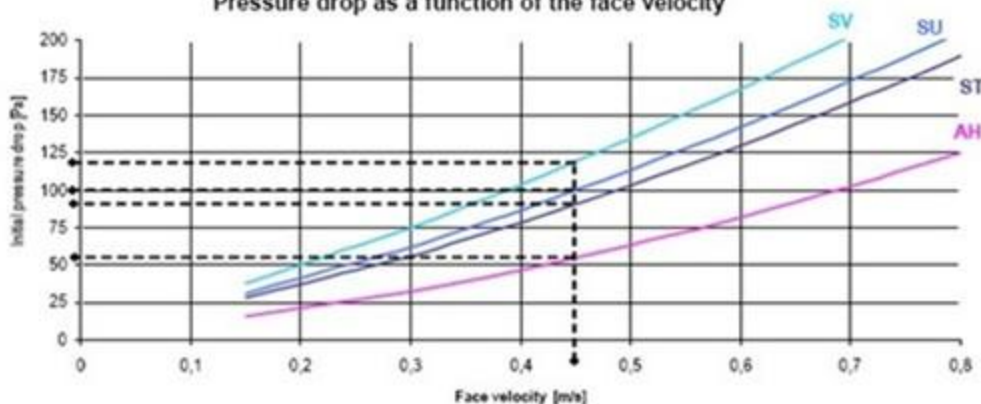
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STANDARD SIZES



CODE	Dimensions W x L x D mm	Flow rate (0,45 m/s) m ³ /h	Filtering surface m ²	Initial Pressure Drop Pa				Volume m ³	Weight kg
				AH	ST	SU	SV		
PG 02 00	305 x 305 x 78	150	2,9	55	90	100	120	0,007	2,75
PG 03 00	457 x 457 x 78	335	6,7	55	90	100	120	0,016	3,85
PG 04 00	305 x 610 x 78	300	6,0	55	90	100	120	0,015	4,40
PG 05 00	457 x 610 x 78	450	9,0	55	90	100	120	0,022	5,20
PG 06 00	457 x 305 x 78	225	4,5	55	90	100	120	0,011	3,30
PG 07 00	610 x 610 x 78	600	12,0	55	90	100	120	0,029	7,70
PG 11 00	610 x 915 x 78	900	18,0	55	90	100	120	0,044	11,00
PG 12 00	610 x 1219 x 78	1200	24,0	55	90	100	120	0,058	13,20
PG 13 00	610 x 1524 x 78	1500	30,0	55	90	100	120	0,073	18,20
PG 14 00	610 x 1829 x 78	1800	36,0	55	90	100	120	0,087	20,90
PG 15 00	762 x 305 x 78	375	7,5	55	90	100	120	0,018	6,05
PG 16 00	762 x 610 x 78	750	14,9	55	90	100	120	0,036	9,90
PG 17 00	762 x 762 x 78	950	18,6	55	90	100	120	0,045	11,00
PG 18 00	762 x 914 x 78	1125	22,5	55	90	100	120	0,054	12,10
PG 19 00	762 x 1219 x 78	1500	30,0	55	90	100	120	0,072	17,60
PG 20 00	762 x 1524 x 78	1875	37,5	55	90	100	120	0,091	20,90
PG 21 00	762 x 1829 x 78	2250	45,0	55	90	100	120	0,109	25,80
PG 22 00	914 x 305 x 78	450	8,9	55	90	100	120	0,022	7,15
PG 24 00	914 x 914 x 78	1350	27,0	55	90	100	120	0,065	16,00
PG 25 00	914 x 1219 x 78	1800	36,0	55	90	100	120	0,087	20,90
PG 26 00	914 x 1524 x 78	2250	45,0	55	90	100	120	0,109	25,85
PG 27 00	914 x 1829 x 78	2700	54,0	55	90	100	120	0,130	31,90
PG 55 00	545 x 545 x 78	500	10,3	55	90	100	120	0,023	7,20
PG 51 00	545 x 1155 x 78	1000	20,7	55	90	100	120	0,049	12,50

Pressure drop as a function of the face velocity



- ↳ Suggested final pressure drop ≤ 600Pa
- ↳ Maximum pressure drop ≤ 1000 Pa