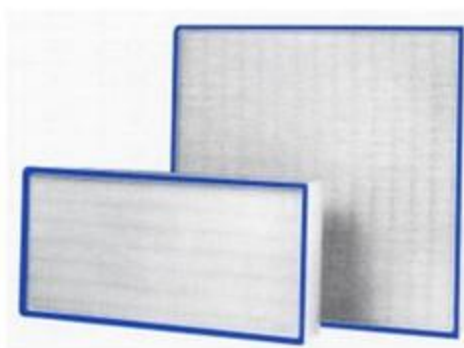


## ERISLAB

*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 88 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

CODE	EUROVENT 4/4 FILTRATION CLASS		CEN-EN 1822 FILTRATION CLASS		
	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.

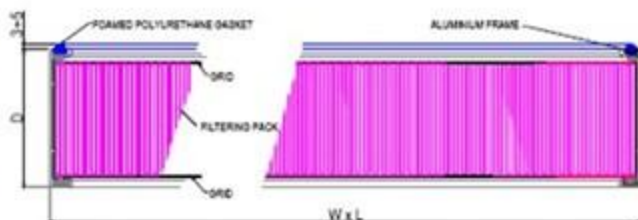
**TEMPERATURE** = 80°C max.

**RELATIVE HUMIDITY** = 100% max.

**OPTIONS** = Antibacterial treatment on request

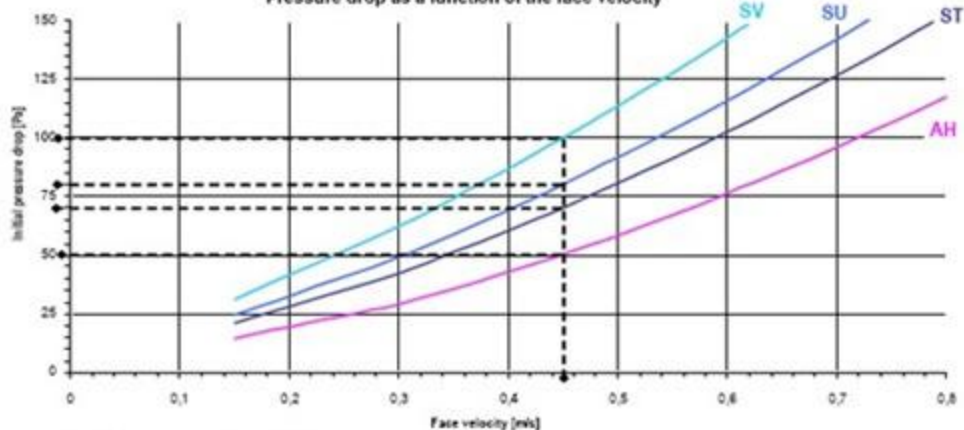
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## STANDARD SIZES



CODE	Dimensions W x L x D mm	Flow rate (0,45 m/s) m³/h	Filtering surface m²	Initial Pressure Drop Pa				Volume m³	Weight kg
				AH	ST	SU	SV		
PD 02_00	305 x 305 x 88	150	3,4	50	70	80	100	0,009	3,12
PD 03_00	457 x 457 x 88	335	7,8	50	70	80	100	0,019	4,37
PD 04_00	305 x 610 x 88	300	7,0	50	70	80	100	0,016	5,00
PD 05_00	457 x 610 x 88	450	10,4	50	70	80	100	0,025	5,87
PD 06_00	457 x 305 x 88	225	5,2	50	70	80	100	0,012	3,75
PD 07_00	610 x 610 x 88	600	14,0	50	70	80	100	0,033	8,75
PD 11_00	610 x 915 x 88	900	21,0	50	70	80	100	0,049	12,50
PD 12_00	610 x 1219 x 88	1200	28,0	50	70	80	100	0,065	15,00
PD 13_00	610 x 1524 x 88	1500	35,0	50	70	80	100	0,082	20,62
PD 14_00	610 x 1829 x 88	1800	41,0	50	70	80	100	0,099	23,75
PD 15_00	762 x 305 x 88	375	8,8	50	70	80	100	0,020	6,85
PD 16_00	762 x 610 x 88	750	17,4	50	70	80	100	0,041	11,25
PD 17_00	762 x 762 x 88	950	21,7	50	70	80	100	0,051	12,50
PD 18_00	762 x 914 x 88	1125	26,2	50	70	80	100	0,061	13,75
PD 19_00	762 x 1219 x 88	1500	35,0	50	70	80	100	0,082	20,00
PD 20_00	762 x 1524 x 88	1875	43,7	50	70	80	100	0,102	23,75
PD 21_00	762 x 1829 x 88	2250	52,3	50	70	80	100	0,123	29,35
PD 22_00	914 x 305 x 88	450	10,4	50	70	80	100	0,025	8,15
PD 24_00	914 x 914 x 88	1350	31,5	50	70	80	100	0,074	18,20
PD 25_00	914 x 1219 x 88	1800	42,0	50	70	80	100	0,099	23,75
PD 26_00	914 x 1524 x 88	2250	52,5	50	70	80	100	0,123	29,40
PD 27_00	914 x 1829 x 88	2700	62,9	50	70	80	100	0,147	36,25
PD 55_00	545 x 545 x 88	500	12,0	50	70	80	100	0,026	8,20
PD 51_00	545 x 1155 x 88	1000	24,0	50	70	80	100	0,055	14,30

Pressure drop as a function of the face velocity



Suggested final pressure drop  $\leq$  600Pa

$\rightarrow$  Maximum pressure drop  $\leq$  1000 Pa