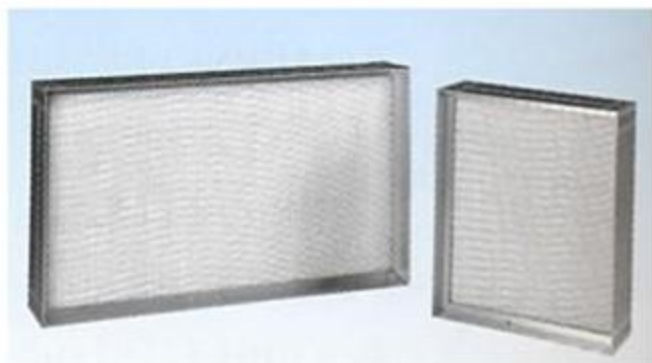


ERISLAS

KNIFE EDGE ABSOLUTE LAMINAR FLOW FILTERS



TYPICAL APPLICATIONS

To be used for absolute air filtration in clean-rooms, laminar flow benches, equipped for the "liquid seal" method.

TECHNICAL CHARACTERISTICS

MEDIA = Glass fibre paper.

SEPARATORS = Cotton threads with hot melt gluing.

FRAME = Anodized aluminium profile with knife edge 35 mm deep.

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

SEALANT = Two components cold moulded 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.

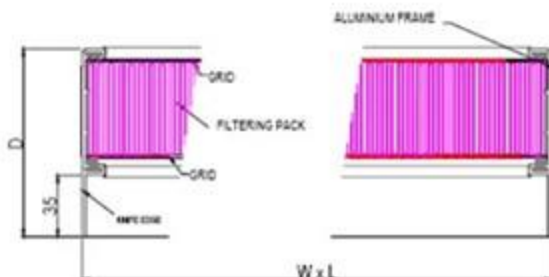
TEMPERATURE = 80°C max.

RELATIVE HUMIDITY = 100% max.

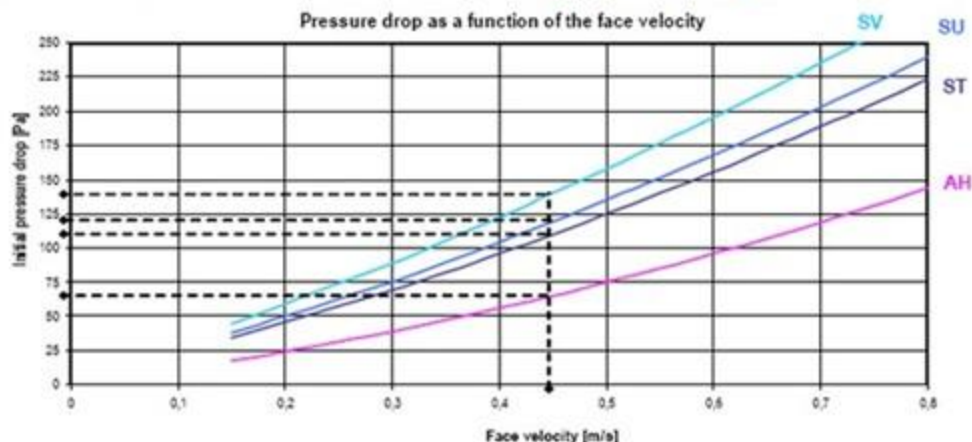
OPTIONS = Antibacterial treatment on request.

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STANDARD SIZES



CODE	Dimensions W x L x D mm	Flow rate (0,45 m/s) m³/h	Filtering surface m²	Initial Pressure Drop Pa				Volume m³	Weight kg
				AH	ST	SU	SV		
PS 02_00	305 x 305 x 109	150	2,7	65	110	120	140	0,010	3,30
PS 03_00	457 x 457 x 109	335	6,2	65	110	120	140	0,023	4,60
PS 04_00	305 x 610 x 109	300	5,5	65	110	120	140	0,020	5,25
PS 05_00	457 x 610 x 109	450	8,2	65	110	120	140	0,030	6,15
PS 06_00	457 x 305 x 109	225	4,1	65	110	120	140	0,015	3,95
PS 07_00	610 x 610 x 109	600	11,0	65	110	120	140	0,041	9,20
PS 11_00	610 x 915 x 109	900	16,5	65	110	120	140	0,061	13,10
PS 12_00	610 x 1219 x 109	1200	22,0	65	110	120	140	0,081	15,70
PS 13_00	610 x 1524 x 109	1500	27,5	65	110	120	140	0,101	21,60
PS 14_00	610 x 1829 x 109	1800	33,0	65	110	120	140	0,122	25,20
PS 15_00	762 x 305 x 109	375	6,9	65	110	120	140	0,025	7,30
PS 16_00	762 x 610 x 109	750	13,7	65	110	120	140	0,051	12,00
PS 17_00	762 x 762 x 109	950	17,1	65	110	120	140	0,063	13,25
PS 18_00	762 x 914 x 109	1125	20,6	65	110	120	140	0,076	14,50
PS 19_00	762 x 1219 x 109	1500	27,5	65	110	120	140	0,101	21,20
PS 20_00	762 x 1524 x 109	1875	34,4	65	110	120	140	0,127	25,00
PS 21_00	762 x 1829 x 109	2250	41,2	65	110	120	140	0,152	31,10
PS 22_00	914 x 305 x 109	450	8,2	65	110	120	140	0,030	8,70
PS 24_00	914 x 914 x 109	1350	24,8	65	110	120	140	0,091	19,20
PS 25_00	914 x 1219 x 109	1800	33,0	65	110	120	140	0,121	25,20
PS 26_00	914 x 1524 x 109	2250	41,3	65	110	120	140	0,152	31,20
PS 27_00	914 x 1829 x 109	2700	49,5	65	110	120	140	0,182	38,40



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