

ERISREP

ABSOLUTE LAMINAR FLOW FILTERS



TYPICAL APPLICATIONS

To be used for absolute air filtration in controlled contamination environments, installed in final unidirectional units.

TECHNICAL CHARACTERISTICS

MEDIA = Glass fibre paper.

SEPARATORS = Cotton threads with hot melt gluing.

FRAME = Anodized aluminium profile 150 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.

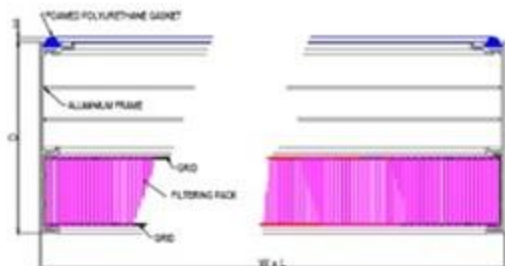
TEMPERATURE = 80°C max.

RELATIVE HUMIDITY = 100% max.

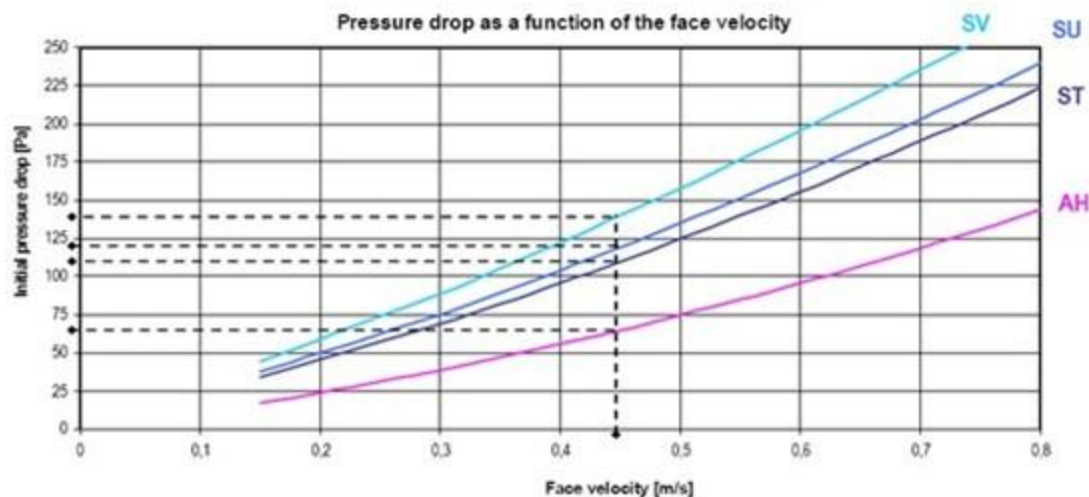
OPTIONS = Antibacterial treatment on request

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STANDARD SIZES



CODE	Dimensions W x L x D mm	Flow rate (0,45 m/s) m³/h	Filtering surface m²	Initial Pressure Drop Pa				Volume m³	Weight kg
				AH	ST	SU	SV		
PR 02_00	305 x 305 x 150	150	2,7	65	110	120	140	0,014	3,30
PR 03_00	457 x 457 x 150	335	6,2	65	110	120	140	0,031	4,70
PR 04_00	305 x 610 x 150	300	5,5	65	110	120	140	0,028	5,20
PR 05_00	457 x 610 x 150	450	8,2	65	110	120	140	0,042	6,10
PR 06_00	457 x 305 x 150	225	4,1	65	110	120	140	0,021	4,00
PR 07_00	610 x 610 x 150	600	11,0	65	110	120	140	0,056	8,70
PR 11_00	610 x 915 x 150	900	16,5	65	110	120	140	0,084	12,10
PR 12_00	610 x 1219 x 150	1200	22,0	65	110	120	140	0,112	14,50
PR 13_00	610 x 1524 x 150	1500	27,5	65	110	120	140	0,139	19,40
PR 14_00	610 x 1829 x 150	1800	33,0	65	110	120	140	0,167	22,40
PR 15_00	762 x 305 x 150	375	6,9	65	110	120	140	0,035	6,90
PR 16_00	762 x 610 x 150	750	13,7	65	110	120	140	0,070	10,90
PR 17_00	762 x 762 x 150	950	17,1	65	110	120	140	0,087	12,10
PR 18_00	762 x 914 x 150	1125	20,6	65	110	120	140	0,104	13,30
PR 19_00	762 x 1219 x 150	1500	27,5	65	110	120	140	0,139	18,70
PR 20_00	762 x 1524 x 150	1875	34,4	65	110	120	140	0,174	22,20
PR 21_00	762 x 1829 x 150	2250	41,2	65	110	120	140	0,209	27,10
PR 22_00	914 x 305 x 150	450	8,2	65	110	120	140	0,042	8,20
PR 24_00	914 x 914 x 150	1350	24,8	65	110	120	140	0,125	17,00
PR 25_00	914 x 1219 x 1150	1800	33,0	65	110	120	140	0,167	21,90
PR 26_00	914 x 1524 x 150	2250	41,3	65	110	120	140	0,209	26,90
PR 27_00	914 x 1829 x 150	2700	49,5	65	110	120	140	0,251	32,80



↕ Suggested final pressure drop ≤ 600Pa

↕ Maximum pressure drop ≤ 1000 Pa