

GLOBAL FILTRATION CLEAN TECHNOLOGY (I) PVT. LTD.



Galacel [®] II

Minipleat HEPA and ULPA Filter Panels



Clean Air Is Our Business



Description

The Galacel® II HEPA and ULPA filter panels meet the highest standard of air purity particularly in clean room manufacturing facilities such as facilities in electronics, pharmaceutical, semiconductors and hospitals. It can be constructed according to requirements in term of sizes, with or without faceguards, gaskets and varies performance.

Applications

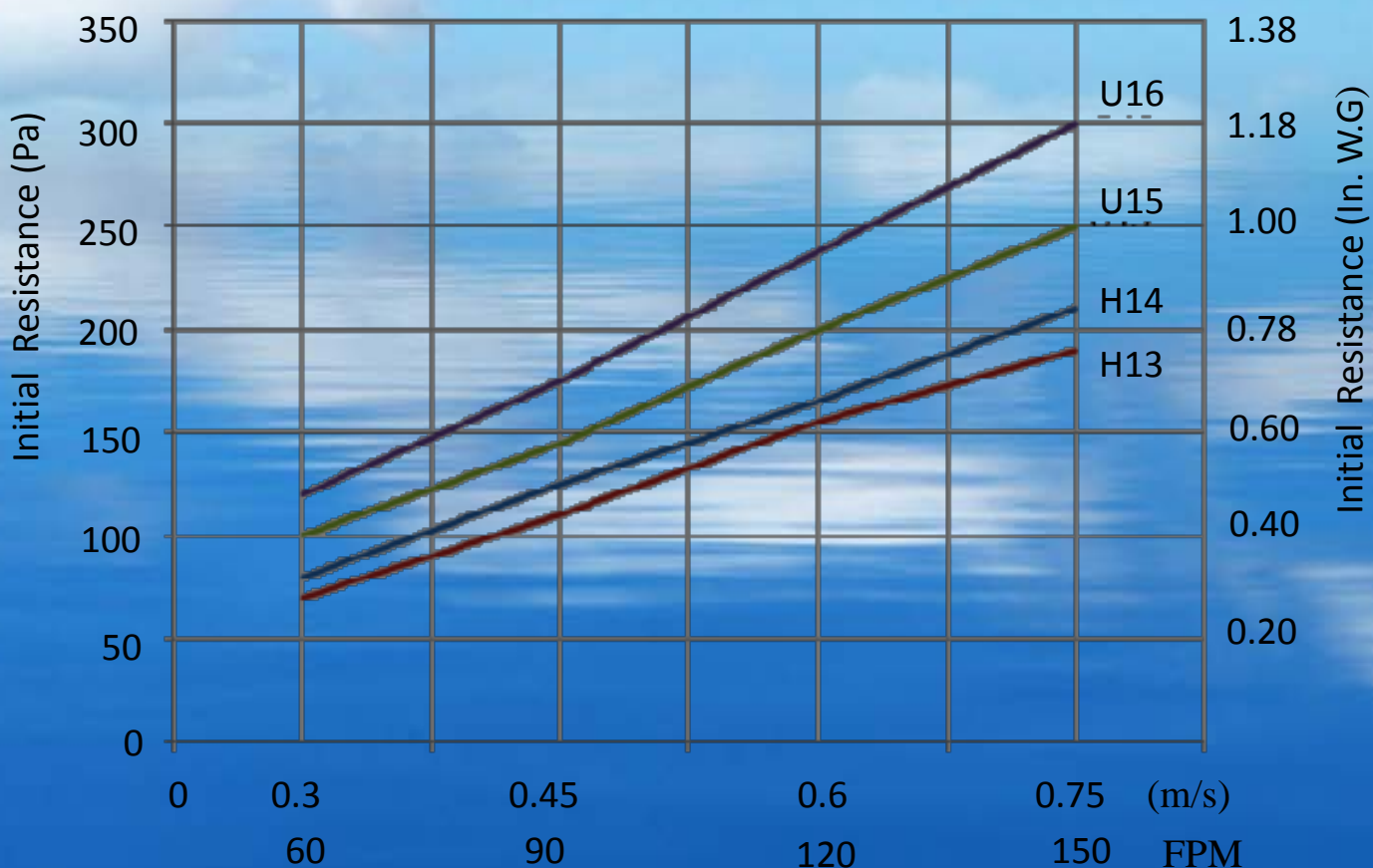
Typically used as final filters to ensure supply of clean air, free from dust and micro-organisms to either individual work place or enclosed working rooms to ensure and maintain the desire cleanliness.

Specifications

Frame	: Anodized extruded aluminiumnon.
Media	: Fire-retardant and moisture resistant fiber glass media.
Faceguard	: Epoxy powder coated steel.
Separators	: Thermoplastic beads.
Gasket	: Neoprene.
Sealant	: Fire retardant polyurethene sealant.
Recommended final resistance	: 250 Pa or 1.0 w.g.
Temperature	: 70°C maximum in continuous operation.
Filter class	: H13, H14, U15, U16, U17 to EN 1822.

Technical Data

Frame depth : 69mm. Media pack depth : 49mm.



Technical Data



Frame depth : 69mm. Media pack depth : 49mm.

Standard sizes (Height x Width x Depth) (mm)	Filter grade EN 1822	Air flow/pressure drop @ 0.45 m/s (nominal)	Air flow/pressure drop @ 90 FPM (nominal)	Media Surface Area (Gross)		Approximate Unit Weight
		(CMH / Pa)	(cfm / Inches W.G.)	(m ²)	(ft ²)	(Kg)
203 x 203 x 69	H13	70/ 110	41/0.45	1.0	11	0.7
305 x 305 x 69	H13	150/ 112	88/0.45	2.3	26	1.3
305 x 610 x 69	H13	300/ 110	176/0.45	4" 4.6	51	2.5
305 x 762 x 69	H13	380/ 110	223/0.45	5.7	63	2.7
305 x 915 x 69	H13	450/ 113	264/0.45	6.9	77	3.1
457 x 457 x 69	H13	340/ 110	200/0.45	5.1	57	2.5
457 x 610 x 69	H13	450/ 110	265/0.45	6.8	76	3
610 x 610 x 69	H13	600/ 115	352/0.45	9.8	109	4.2
610 x 762 x 69	H13	750/ 110	441/0.45	11.4	127	5.2
610 x 915 x 69	H13	900/ 110	529/0.45	13.7	152	6.2
610 x 1220 x 69	H13	1200/ 110	705/0.45	18.3	203	8.1
610 x 1524 x 69	H13	1500/ 110	882/0.45	22.8	253	10.5
610 x 1830 x 69	H13	1800/ 112	1058/0.45	27.4	304	12.5
762 x 762 x 69	H13	940/ 110	552/0.45	14.4	160	6.5
762 x 915 x 69	H13	1130/ 110	664/0.45	17.1	190	7.8
762 x 1220 x 69	H13	1500/ 111	882/0.45	22.8	253	10.3
762 x 1524 x 69	H13	1880/ 110	1105/0.45	28.5	317	12.7
762 x 1830 x 69	H13	2260/ 113	1329/0.45	34.3	381	15.5
915 x 915 x 69	H13	1360/ 110	800/0.45	20.6	229	9.3
915 x 1220 x 69	H13	1800/ 110	1058/0.45	27.4	304	12.5
915 x 1524 x 69	H13	2260/ 114	1329/0.45	34.3	381	15.5
915 x 1830 x 69	H13	2710/ 110	1594/0.45	41.1	457	18.6
1220 x 1220 x 69	H13	2400/ 110	1411/0.45	37.0	411	16.5
203 x 203 x 69	H14	70/ 130	41/0.51	1.0	11	0.7
305 x 305 x 69	H14	150/ 131	88/0.51	2.3	26	1.3
305 x 610 x 69	H14	300/ 133	176/0.51	4.6	51	2.5
305 x 762 x 69	H14	380/ 125	223/0.51	5.7	63	2.7
305 x 915 x 69	H14	450/ 130	264/0.51	6.9	77	3.1
457 x 457 x 69	H14	340/ 132	200/0.51	5.1	57	2.5
457 x 610 x 69	H14	450/ 129	265/0.51	6.8	76	3
610 x 610 x 69	H14	600/ 127	352/0.51	9.8	109	4.2
610 x 762 x 69	H14	750/ 130	441/0.51	11.4	127	5.2
610 x 915 x 69	H14	900/ 132	529/0.51	13.7	152	6.2
610 x 1220 x 69	H14	1200/ 129	705/0.51	18.3	203	8.1
610 x 1524 x 69	H14	1500/ 130	882/0.51	22.8	253	10.5
610 x 1830 x 69	H14	1800/ 131	1058/0.51	27.4	304	12.5
762 x 762 x 69	H14	940/ 129	552/0.51	14.4	160	6.5
762 x 915 x 69	H14	1130/ 130	664/0.51	17.1	190	7.8
762 x 1220 x 69	H14	1500/ 131	882/0.51	22.8	253	10.3
762 x 1524 x 69	H14	1880/ 133	1105/0.51	28.5	317	12.7
762 x 1830 x 69	H14	2260/ 129	1329/0.51	34.3	381	15.5
915 x 915 x 69	H14	1360/ 130	800/0.51	20.6	229	9.3
915 x 1220 x 69	H14	1800/ 130	1058/0.51	27.4	304	12.5
915 x 1524 x 69	H14	2260/ 132	1329/0.51	34.3	381	15.5
915 x 1830 x 69	H14	2710/ 129	1594/0.51	41.1	457	18.6

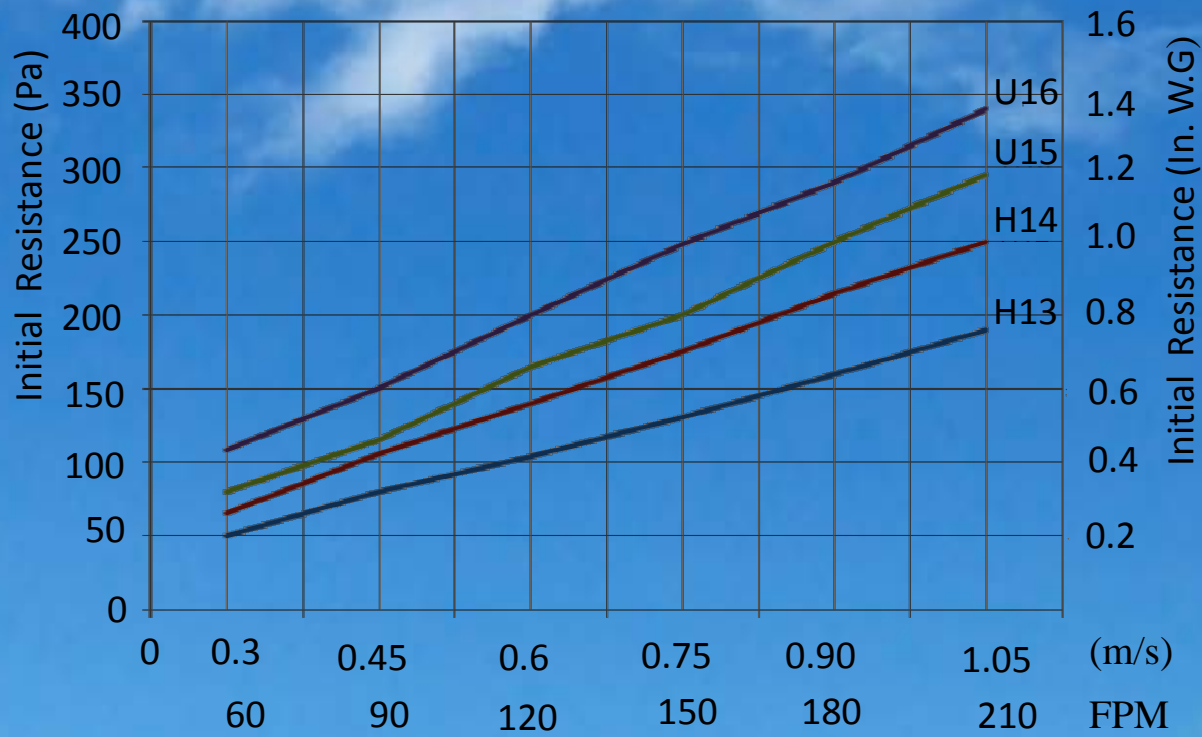


Standard sizes (Height x Width x Depth)	Filter grade	Air flow/pressure drop @ 0.45 m/s (nominal)	Air flow/pressure drop @ 90 FPM (nominal)	Media Surface Area (Gross)		Approximate Unit Weight
		(mm)	EN 1822	(CMH / Pa)	(cfm / Inches W.G.)	(m ²)
1220 x 1220 x 69	H14	2400/ 131	1411/0.51	37.0	411	16.5
203 x 203 x 69	U15	70/ 145	41/0.57	1.0	11	0.7
305 x 305 x 69	U15	150/ 146	88/0.57	2.3	26	1.3
305 x 610 x 69	U15	300/ 143	176/0.57	4.6	51	2.5
305 x 762 x 69	U15	380/ 145	223/0.57	5.7	63	2.7
305 x 915 x 69	U15	450/ 146	264/0.57	6.9	77	3.1
457 x 457 x 69	U15	340/ 145	200/0.57	5.1	57	2.5
457 x 610 x 69	U15	450/ 143	265/0.57	6.8	76	3
610 x 610 x 69	U15	600/ 145	352/0.57	9.8	109	4.2
610 x 762 x 69	U15	750/ 146	441/0.57	11.4	127	5.2
610 x 915 x 69	U15	900/ 145	529/0.57	13.7	152	6.2
610 x 1220 x 69	U15	1200/ 145	705/0.57	18.3	203	8.1
610 x 1524 x 69	U15	1500/ 146	882/0.57	22.8	253	10.5
610 x 1830 x 69	U15	1800/ 145	1058/0.57	27.4	304	12.5
762 x 762 x 69	U15	940/ 145	552/0.57	14.4	160	6.5
762 x 915 x 69	U15	1130/ 143	664/0.57	17.1	190	7.8
762 x 1220 x 69	U15	1500/ 145	882/0.57	22.8	253	10.3
762 x 1524 x 69	U15	1880/ 145	1105/0.57	28.5	317	12.7
762 x 1830 x 69	U15	2260/ 146	1329/0.57	34.3	381	15.5
915 x 915 x 69	U15	1360/ 142	800/0.57	20.6	229	9.3
915 x 1220 x 69	U15	1800/ 145	1058/0.57	27.4	304	12.5
915 x 1524 x 69	U15	2260/ 146	1329/0.57	34.3	381	15.5
915 x 1830 x 69	U15	2710/ 145	1594/0.57	41.1	457	18.6
1220 x 1220 x 69	U15	2400/ 142	1411/0.57	37.0	411	16.5
203 x 203 x 69	U16	70/ 175	41/0.69	1.0	11	0.7
305 x 305 x 69	U16	150/ 173	88/0.69	2.3	26	1.3
305 x 610 x 69	U16	300/ 175	176/0.69	4.6	51	2.5
305 x 762 x 69	U16	380/ 176	223/0.69	5.7	63	2.7
305 x 915 x 69	U16	450/ 178	264/0.69	6.9	77	3.1
457 x 457 x 69	U16	340/ 175	200/0.69	5.1	57	2.5
457 x 610 x 69	U16	450/ 174	265/0.69	6.8	76	3
610 x 610 x 69	U16	600/ 176	352/0.69	9.8	109	4.2
610 x 762 x 69	U16	750/ 175	441/0.69	11.4	127	5.2
610 x 915 x 69	U16	900/ 175	529/0.69	13.7	152	6.2
610 x 1220 x 69	U16	1200/ 176	705/0.69	18.3	203	8.1
610 x 1524 x 69	U16	1500/ 175	882/0.69	22.8	253	10.5
610 x 1830 x 69	U16	1800/ 175	1058/0.69	27.4	304	12.5
762 x 762 x 69	U16	940/ 176	552/0.69	14.4	160	6.5
762 x 915 x 69	U16	1130/ 175	664/0.69	17.1	190	7.8
762 x 1220 x 69	U16	1500/ 176	882/0.69	22.8	253	10.3
762 x 1524 x 69	U16	1880/ 175	1105/0.69	28.5	317	12.7
762 x 1830 x 69	U16	2260/ 175	1329/0.69	34.3	381	15.5
915 x 915 x 69	U16	1360/ 175	800/0.69	20.6	229	9.3
915 x 1220 x 69	U16	1800/ 176	1058/0.69	27.4	304	12.5
915 x 1524 x 69	U16	2260/ 175	1329/0.69	34.3	381	15.5
915 x 1830 x 69	U16	2710/ 174	1594/0.69	41.1	457	18.6
1220 x 1220 x 69	U16	2400/ 175	1411/0.69	37.0	411	16.5



Technical Data

Frame depth : 73mm. Media pack depth : 93mm.

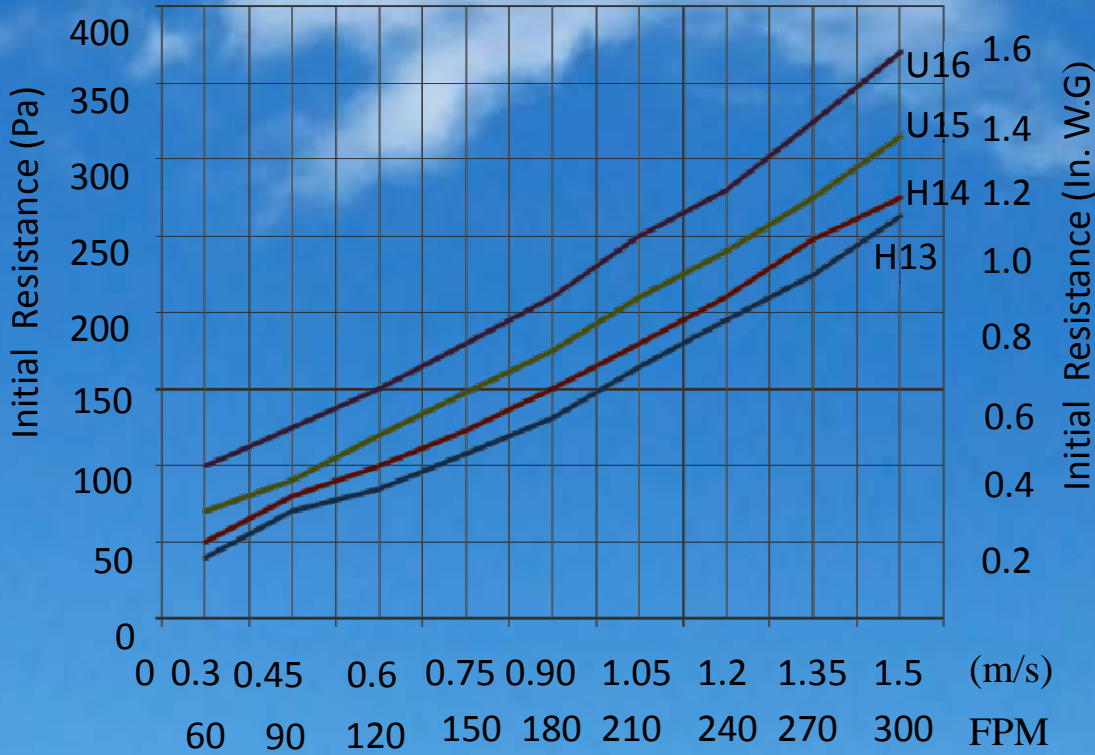


Standard sizes (Height x Width x Depth) (mm)	Filter grade EN 1822	Air flow/pressure drop @ 0.45 m/s (nominal)	Air flow/pressure drop @ 90 FPM (nominal)	Media Surface Area (Gross)		Approximate Unit Weight (Kg)
		(CMH / Pa)	(cfm / Inches W.G.)	(m ²)	(ft ²)	
305 x 305 x 93	H13	150/80	88/0.31	3.4	38	1.5
305 x 610 x 93	H13	300/82	176/0.31	7.0	78	2.9
610 x 610 x 93	H13	600/81	352/0.31	13.7	152	5.8
610 x 762 x 93	H13	750/80	441/0.31	17.1	190	7.2
610 x 915 x 93	H13	900/83	529/0.31	21	233	8.6
610 x 1220 x 93	H13	1200/83	705/0.31	27.4	304	11.5
762 x 762 x 93	H13	940/85	552/0.31	21.4	238	9.0
305 x 305 x 93	H14	150/110	88/0.43	3.4	38	1.5
305 x 610 x 93	H14	300/112	176/0.43	7.0	78	2.9
610 x 610 x 93	H14	600/110	352/0.43	13.7	152	5.8
610 x 762 x 93	H14	750/113	441/0.43	17.1	190	7.2
610 x 915 x 93	H14	900/115	529/0.43	21	233	8.6
610 x 1220 x 93	H14	1200/110	705/0.43	27.4	304	11.5
762 x 762 x 93	H14	940/112	552/0.43	21.4	238	9.0
305 x 305 x 93	U15	150/116	88/0.46	3.4	38	1.5
305 x 610 x 93	U15	300/118	176/0.46	7.0	78	2.9
610 x 610 x 93	U15	600/118	352/0.46	13.7	152	5.8
610 x 762 x 93	U15	750/119	441/0.46	17.1	190	7.2
610 x 915 x 93	U15	900/117	529/0.46	21	233	8.6
610 x 1220 x 93	U15	1200/115	705/0.46	27.4	304	11.5
762 x 762 x 93	U15	940/116	552/0.46	21.4	238	9.0
305 x 305 x 93	U16	150/150	88/0.60	3.4	38	1.5
305 x 610 x 93	U16	300/148	176/0.60	7.0	78	2.9
610 x 610 x 93	U16	600/147	352/0.60	13.7	152	5.8
610 x 762 x 93	U16	750/148	441/0.60	17.1	190	7.2
610 x 915 x 93	U16	900/150	529/0.60	21	233	8.6
610 x 1220 x 93	U16	1200/149	705/0.60	27.4	304	11.5
762 x 762 x 93	U16	940/150	552/0.60	21.4	238	9.0

Technical Data



Frame depth : 117mm. Media pack depth : 97mm.



Efficiency EN 1822 @ MPPS	Class	Efficiency @ 0.3 Am
99.9995%	H14	99.999%
99.99995%	U15	99.95%
99.999995%	U16	99.99995%
99.9999995%	U17	99.999995%

Standard sizes (Height x Width x Depth) (mm)	Filter grade EN 1822	Air flow/pressure drop @ 0.45 m/s (nominal)	Air flow/pressure drop @ 90 FPM (nominal)	Media Surface Area (Gross)		Approximate Unit Weight (Kg)
		(CMH / Pa)	(cfm / Inches W.G.)	(m ²)	(ft ²)	
305 x 305 x 117	H13	150/70	88/0.28	4.6	51	1.9
457 x 457 x 117	H13	340/73	200/0.28	10.3	114	4.3
610 x 610 x 117	H13	600/71	352/0.28	18.3	203	5.5
610 x 762 x 117	H13	750/70	441/0.28	23.0	256	6.8
610 x 915 x 117	H13	900/72	529/0.28	27.5	306	7.8
610 x 1220 x 117	H13	1200/70	705/0.28	37.0	411	10.3
305 x 305 x 117	H14	150/80	88/0.31	4.6	51	1.9
457 x 457 x 117	H14	340/81	200/0.31	10.3	114	4.3
610 x 610 x 117	H14	600/80	352/0.31	18.3	203	5.5
610 x 762 x 117	H14	750/82	441/0.31	23.0	256	6.8
610 x 915 x 117	H14	900/80	529/0.31	27.5	306	7.8
610 x 1220 x 117	H14	1200/83	705/0.31	37.0	411	10.3
305 x 305 x 117	U15	150/90	88/0.35	4.6	51	1.9
457 x 457 x 117	U15	340/91	200/0.35	10.3	114	4.3
610 x 610 x 117	U15	600/90	352/0.35	18.3	203	5.5
610 x 762 x 117	U15	750/92	441/0.35	23.0	256	6.8
610 x 915 x 117	U15	900/90	529/0.35	27.5	306	7.8
610 x 1220 x 117	U15	1200/91	705/0.35	37.0	411	10.3
305 x 305 x 117	U16	150/125	88/0.50	4.6	51	1.9
457 x 457 x 117	U16	340/126	200/0.50	10.3	114	4.3
610 x 610 x 117	U16	600/123	352/0.50	18.3	203	5.5
610 x 762 x 117	U16	750/125	441/0.50	23.0	256	6.8
610 x 915 x 117	U16	900/127	529/0.50	27.5	306	7.8
610 x 1220 x 117	U16	1200/125	705/0.50	37.0	411	10.3

Factory & Sales Registered Office:

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