

HLFM Laminar Flow HEPA Filters



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Product Description

To be used for absolute air filtration in controlled contamination environments, installed in terminal filter

Technical Characteristics

Media – Glass fibre paper

Separators – Hot melt glue

Frame – Anodised aluminium profile 68mm deep

Face Guards – Epoxy painted expanded aluminium grids on both sides.

Special grid lock keeps the mesh away from the filter pack

Sealant – Two components cold moulded polyurethane

Gasket – One piece polyurethane, single or both sides. Standard extrusion thickness 68mm. Any other thickness made to order

Diffuser Scrim – Can be supplied in place of the grill on request

DOP Challenge Port – Option available on request



Testing and Certification

Each filter Grade H13 and above is individually leak tested and certificates are issued.

We can also test and certify to EN1822, if required.

Every HEPA is issued with a unique serial number, which allows full traceability right back to the filter media Batch and Roll.

Each roll of HEPA filter media is individually tested and certified.

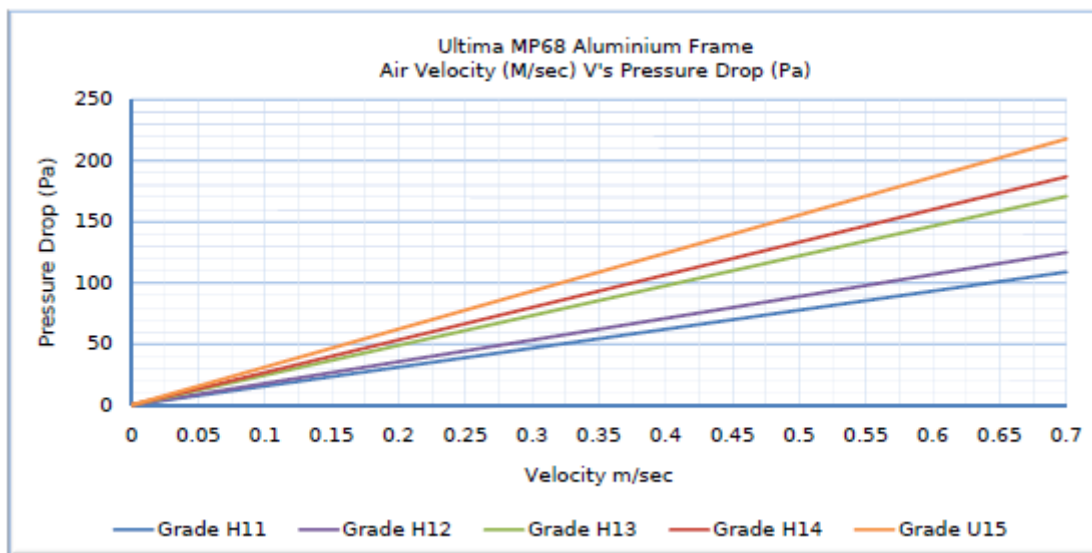


EN 1822 Filtration Class		
Class	Filters Global Efficiency % for MPPS Particles	Local Efficiency % for MPPS Particles
H11	≥ 95%	-
H12	≥ 99.50 %	-
H13	≥ 99.95 %	99.75%
H14	≥99.995 %	99.98%
U15	≥99.9995 %	99.998%

Standard Sizes & Capacities

Model No.	Description	Flow Rate (0.45m/sec) m ³ /hr	Initial Pressure Drop (Pa)					Dimensions and Weight			
			Grade H11	Grade H12	Grade H13	Grade H14	Grade U15	Height (mm)	Width (mm)	Depth (mm)	Weight Kg
HLM_121268	Laminar Flow HEPA 12x12	151	70	90	110	120	140	305	305	68	2.5
HLFM_181868	Laminar Flow HEPA 18x18	338	70	90	110	120	140	457	457	68	3.5
HLFM_122468	Laminar Flow HEPA 12x24	301	70	90	110	120	140	610	305	68	4.0
HLFM_182468	Laminar Flow HEPA 18x24	452	70	90	110	120	140	457	610	68	4.7
HLFM_181268	Laminar Flow HEPA 18x12	226	70	90	110	120	140	457	305	68	3.0
HLFM_222268	Laminar Flow HEPA 22x22	481	70	90	110	120	140	545	545	68	5.0
HLFM_224468	Laminar Flow HEPA 22x44	1020	70	90	110	120	140	545	1155	68	10.0
HLFM_242468	Laminar Flow HEPA 24x24	603	70	90	110	120	140	610	610	68	7.0
HLFM_243668	Laminar Flow HEPA 24x36	903	70	90	110	120	140	610	914	68	10.0
HLFM_244868	Laminar Flow HEPA 24x48	1206	70	90	110	120	140	610	1220	68	12.0
HLFM_246068	Laminar Flow HEPA 24x60	1506	70	90	110	120	140	610	1524	68	16.5
HLFM_247268	Laminar Flow HEPA 24x72	1807	70	90	110	120	140	610	1829	68	19.0
HLFM_301268	Laminar Flow HEPA 30x12	377	70	90	110	120	140	762	305	68	5.5
HLFM_302468	Laminar Flow HEPA 30x24	753	70	90	110	120	140	762	610	68	9.0
HLFM_303068	Laminar Flow HEPA 30x30	941	70	90	110	120	140	762	762	68	10.0
HLFM_303668	Laminar Flow HEPA 30x36	1128	70	90	110	120	140	762	914	68	11.0
HLFM_304868	Laminar Flow HEPA 30x48	1505	70	90	110	120	140	762	1219	68	16.0
HLFM_306068	Laminar Flow HEPA 30x60	1881	70	90	110	120	140	762	1524	68	19.0
HLFM_307268	Laminar Flow HEPA 30x72	2258	70	90	110	120	140	762	1829	68	23.5
HLFM_361268	Laminar Flow HEPA 36x12	452	70	90	110	120	140	914	305	68	6.5
HLFM_362468	Laminar Flow HEPA 36x24	903	70	90	110	120	140	914	610	68	10.0
HLFM_363668	Laminar Flow HEPA 36x36	1353	70	90	110	120	140	914	914	68	14.5
HLFM_364868	Laminar Flow HEPA 36x48	1805	70	90	110	120	140	914	1219	68	19.0
HLFM_366068	Laminar Flow HEPA 36x60	2257	70	90	110	120	140	914	1524	68	23.5
HLFM_367268	Laminar Flow HEPA 36x72	2708	70	90	110	120	140	914	1829	68	29.0

Replace the _ in the part number with the grade required, e.g. for H13 use 13.



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