

Summary HEPA / ULPA Filters, Class H10 to U17



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European Standard EN 1822



camfil PV CONTROL INDIVIDUEL

Données générales (à remplir avant l'essai) :

Catégorie système : 14 Date : 23/03/2004
 Référence filtre : 1561-0200 Place : 10/13/18
 Numéro de série du filtre : 340676
 Ordre de fabrication : 7418000
 Norme de test : EN 1822

Critères de test (par référence) :

Date de test : 2004 03/18
 Efficacité nominale : 99.99 % MPPS
 Niveau de référence : 0.0001

Résultat de test (par référence) :

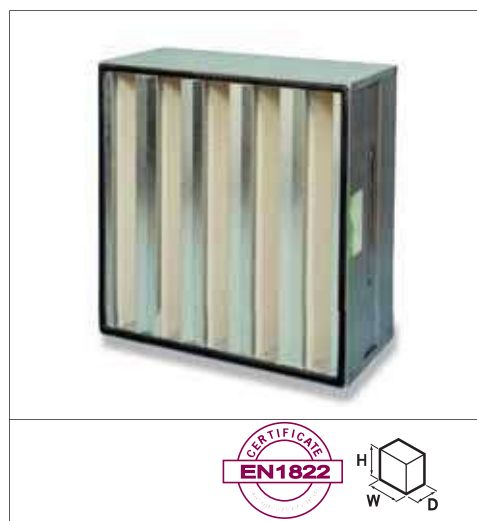
Efficacité mesurée : 99.997 % MPPS (0.1 à 0.2 µm)
 Classe garantie : H13 selon EN 1822

Filtre 1561-0200 N° 340676
OK

Détail des résultats de test du filtre aux tailles de particules (Efficacité mesurée dans par particule µm)

Classes	Aléatoire (MPPS)	Aléatoire	Efficacité	Précision
0.1 - 0.2	100000	99.997	99.997	0.0001
0.2 - 0.3	100000	99.997	99.997	0.0001
0.3 - 0.5	100000	99.997	99.997	0.0001
0.5 - 0.8	100000	99.997	99.997	0.0001
0.8 - 1.0	100000	99.997	99.997	0.0001
1.0 - 1.5	100000	99.997	99.997	0.0001
1.5 - 2.0	100000	99.997	99.997	0.0001
2.0 - 3.0	100000	99.997	99.997	0.0001
3.0 - 5.0	100000	99.997	99.997	0.0001
5.0 - 10.0	100000	99.997	99.997	0.0001
10.0 - 20.0	100000	99.997	99.997	0.0001
20.0 - 50.0	100000	99.997	99.997	0.0001
50.0 - 100.0	100000	99.997	99.997	0.0001
100.0 - 200.0	100000	99.997	99.997	0.0001
200.0 - 500.0	100000	99.997	99.997	0.0001
500.0 - 1000.0	100000	99.997	99.997	0.0001
1000.0 - 2000.0	100000	99.997	99.997	0.0001
2000.0 - 5000.0	100000	99.997	99.997	0.0001
5000.0 - 10000.0	100000	99.997	99.997	0.0001
10000.0 - 20000.0	100000	99.997	99.997	0.0001
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Sofilair - H10 to H14



Advantages

- High air flow rates, up to 5000 m³/hr
- Tested in accordance with EN 1822
- New ergonomic handle to assist with filter changes
- Low pressure drop

Application: Very high efficiency final filtration in air conditioning systems, housings and diffusers.

Type: High air flow HEPA filter.

Frame: Galvanised steel.

Media: Glass fibre paper.

Separator: Hot-melt beads.

Sealant: Polyurethane.

Gasket: One piece half round continuous gasket.

EN 1822 efficiency: H10, H12, H13, and H14.

MPPS efficiency: H10:>85%, H12:>99.5%, H13:>99.95%, H14:> 99.995%.

Recommended final pressure drop: 600 Pa.

Maximum air flow rate: See table, use nominal values otherwise a reduction in efficiency may occur.

Temperature: 80°C maximum in continuous service.

Mounting systems: Front and side access filter frames, FC Housings, terminal housings and safe change systems.

Reference	Type	Model	Dimensions (WxHxD) mm	Filter classification EN 1822	Media area m ²	Air flow/preasure drop m ³ /h/Pa	Unit weight kg	Unit volume m ³
1575.02.00	Sofilair H10	SFR-E-2000-H10	305x610x292	H10	14	2000/230	8	0,06
1573.02.00	Sofilair H10	SFR-E-4000-H10	610x610x292	H10	21	4000/230	13	0,11
1570.01.00	Sofilair H10	SFR-E-5000-H10	610x610x292	H10	35	5000/230	16,5	0,11
1585.01.00	Sofilair H12	SFR-E-1500-H12	305x610x292	H12	16	1500/250	8,5	0,06
1580.01.00	Sofilair H12	SFR-E-3400-H12	610x610x292	H12	33	3400/250	16,5	0,11
1580.02.00	Sofilair H12	SFR-E-4000-H12	610x610x292	H12	40	4000/250	16,5	0,11
1568.01.00	Sofilair H13	SFR-E-1300-H13	289x595x292	H13	16	1300/250	8,5	0,06
1565.01.00	Sofilair H13	SFR-E-1500-H13	305x610x292	H13	16	1500/250	8,5	0,06
1567.01.00	Sofilair H13	SFR-E-3200-H13	595x595x292	H13	38	3200/250	15,5	0,11
1560.01.00	Sofilair H13	SFR-E-3400-H13	610x610x292	H13	33	3400/250	16,5	0,11
1560.02.00	Sofilair H13	SFR-E-4000-H13	610x610x292	H13	40	4000/250	16,5	0,11
1560.02.20	Sofilair H13	SFR-E-5000-H13	610x610x292	H13	40	5000/400	16,5	0,11
1565.01.02	Sofilair H14	SFR-E-1400-H14	610x305x292	H14	16	1400/280 1500/310*	8,5	0,06
1560.02.06	Sofilair H14	SFR-E-3500-H14	610x610x292	H14	40	3500/270 4000/310*	16,5	0,11

*Maximum airflow

Sofilair Green



Advantages

- Totally incinerable
- High air flow rates
- Light weight construction
- New ergonomic handle to assist with filter changes
- Corrosion resistant

Application: High efficiency final filtration in air conditioning systems, extraction from corrosive or hazardous environments.

Type: High air flow incinerable HEPA filter.

Frame: ABS.

Media: Glass fibre paper.

Separator: Hot-melt beads.

Sealant: Polyurethane.

Gasket: One piece half round continuous gasket.

EN 1822 efficiency: H10, H12, H13, H14.

MPPS efficiency: H10:>85%, H13:>99.95 & H14:>99.995%.

Recommended final pressure drop: 600 Pa.

Maximum air flow rate: See table, use nominal values otherwise a reduction in efficiency may occur.

Temperature: 60°C maximum in continuous service.

Mounting systems: Front and side access filter frames. Terminal housings and safe change systems.

Reference	Type	Model	Dimensions (LxHxD) mm	Filter classification EN 1822	Media area m ²	Airflow/pressure drop m ³ /h/Pa	Unit weight kg	Unit volume m ³
1575.82.00	Sofilair Green H10	SFRG-P-2000-H10	305x610x292	H10	13	2000/230	6	0,06
1570.81.00	Sofilair Green H10	SFRG-P-5000-H10	610x610x292	H10	33	5000/230	12	0,11
1585.81.00	Sofilair Green H12	SFRG-P-1500-H12	305x610x292	H12	15	1500/250	10	0,06
1580.82.00	Sofilair Green H12	SFRG-P-4000-H12	610x610x292	H12	38	4000/250	13,5	0,11
1565.81.00	Sofilair Green H13	SFRG-P-1500-H13	305x610x292	H13	15	1500/250	6	0,06
1560.82.00	Sofilair Green H13	SFRG-P-4000-H13	610x610x292	H13	38	4000/250	12	0,11
1565.81.02	Sofilair Green H14	SFRG-P-1400-H14	305x610x292	H14	15	1400/280 1500/310*	6	0,06
1560.82.06	Sofilair Green H14	SFRG-P-3500-H14	610x610x292	H14	38	3500/270 4000/310*	12	0,11

Close Pleat - H13



Advantages

- Range of standard sizes
- Compact design concept
- Very high efficiency

Application: Very high efficiency final filtration in air conditioning systems, housings, ducts and diffusers.

Type: Close pleated very high efficiency filter.

Frame: Galvanised steel / MDF.

Gasket: Half round continuous expanded polyurethane.

Media: Pleated glass paper.

Separator: Hot melt beads.

Sealant: Polyurethane.

EN 1822 efficiency: H13.

MPPS efficiency: $\geq 99.95\%$.

DOP efficiency: $\approx 0.3 \mu\text{m}$: $\geq 99.99\%$.

Recommended final pressure drop: 600 Pa.

Maximum flow rate: See table, use nominal values otherwise a reduction in efficiency may occur.

Temperature: 70°C maximum in continuous service.

Mounting systems: FCB Housings, Ducts, Diffusers, CAMSAFE.

Reference	Type	Model	Dimensions (WxHxD) mm	Filter classification EN 1822	Air flow/pressure drop m ³ /hr/Pa	Media area m ²	Unit weight kg	Unit volume m ³
229004A1	Steel case HEPA	TREA-1000	610x610x292	H13	2700 / 250	23,5	13	0,13
229002A1	Steel case HEPA	TREA-450	305x610x292	H13	1350 / 250	11,7	7	0,07
231007A1	Steel case HEPA	MXEA-600	610x610x150	H13	1625 / 250	13,4	12	0,07
231004A1	Steel case HEPA	MXEA-220	305x610x150	H13	820 / 250	6,7	6	0,04
226001A1	MDF case HEPA	TRSA-1000	610x610x292	H13	2450 / 250	21,4	13	0,13
226003A1	MDF case HEPA	TRSA-450	305x610x292	H13	1160 / 250	10,1	7	0,07
225006A1	MDF case HEPA	MXSA-600	610x610x150	H13	1475 / 250	12,1	12	0,07
225007A1	MDF case HEPA	MXSA-220	305x610x150	H13	690 / 250	5,7	6	

Alternative models, sizes and constructions are available.

Opakfil G Micretain - H10



Advantages

- Easy to install
- Up to 4000 m³/hr air flow
- Incinerable

Application: Final filtration in air conditioning systems, industrial processes.

Type: Very high efficiency, incinerable, compact filter.

Frame: 25 mm thick flange, polypropylene and ABS.

Gasket: Half round continuous expanded polyurethane. Position: 01- rear, 10- front.

Media: Glass fibre paper.

Separator: Hot-melt beads.

Sealant: Polyurethane.

EN 1822 efficiency: H10.

MPPS efficiency: ≥ 85%.

Recommended final pressure drop: 450 Pa.

Maximum flow rate: See table, use nominal values otherwise a reduction in efficiency may occur.

Temperature: 70°C maximum in continuous service.

Holding Frames: Front and side access housings and frames are available. Type 8, Type L and FC housings.

Reference	Type	Model	Dimensions (WxHxD) mm	Filter classification EN 1822	Media area m ²	Air flow / pressure drop m ³ /hr/Pa	Unit weight kg	Unit volume m ³
1511.36.51	70PGHF-241212	Opakfil-G Micretain	592x287x290-01	H10	9.0	1700/250	3	0.06
1511.35.51	70PGHF-242412	Opakfil-G Micretain	592x592x290-01	H10	19.0	4000/250	6	0.11
1511.36.52	70PGHF-241212	Opakfil-G Micretain	592x287x290-10	H10	9.0	1700/250	3	0.06
1511.35.52	70PGHF-242412	Opakfil-G Micretain	592x592x290-10	H10	19.0	4000/250	6	0.11

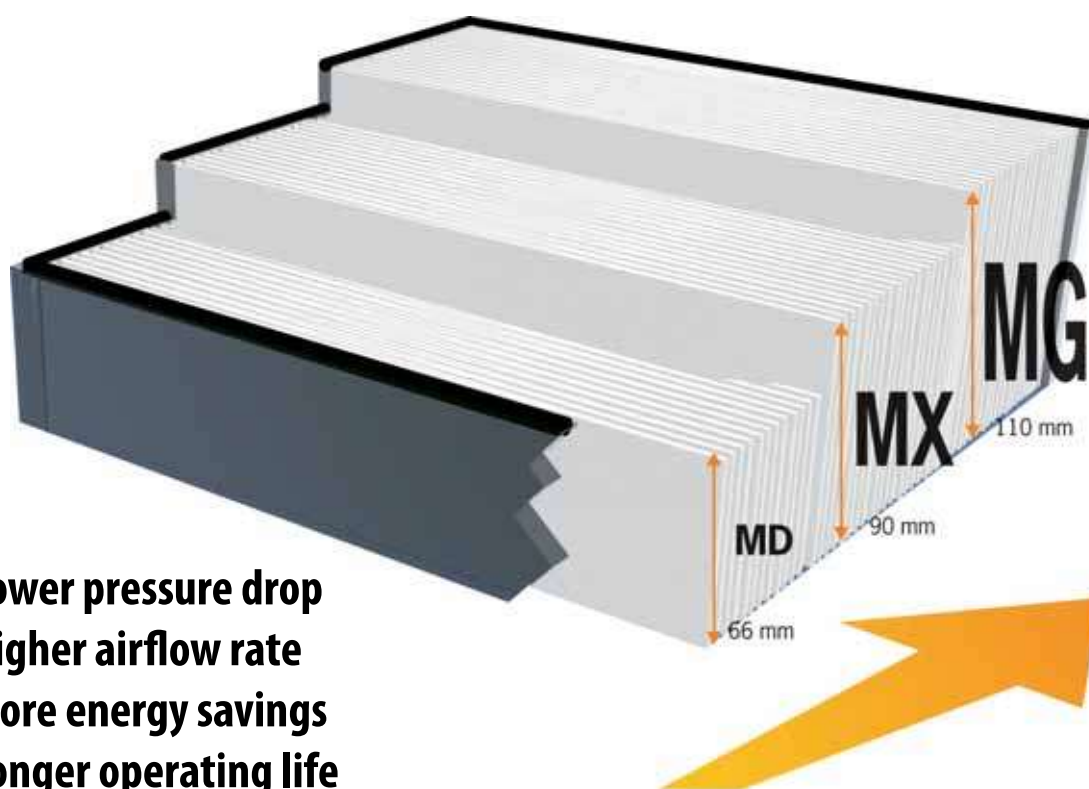
Megalam MD, MX, MG



Advantages

- Less pressure drop
- Quieter
- Longer operating life
- Higher flow rate

Example: Megalam H14 / 6P6			
	MD	MX	MG
Filter area	10m ²	12.5m ²	18m ²
Pressure drop 0.45 m/s (600m ³ /h)	120 Pa	90 Pa (-25%)	70 Pa (-40%)
Maximum pressure drop	900 m ³ /h (190 Pa)	600 m ³ /h (90 Pa)	2000 m ³ /h (250 Pa)
Energy		-25%	-42%
Lifespan		x 1.5	x 2.5
	Less pressure loss		More Flow



Lower pressure drop
Higher airflow rate
More energy savings
Longer operating life

Megalam MX & MG - H14



Advantages

- Low pressure drop
- Quiet: LW = 35dB
- Higher flow rate
- Longer operating life
- Individually scanned in accordance with EN 1822

Application: Final or return filtration for clean rooms with turbulent flow.

Type: HEPA filtering panel with seal for mechanical clamping systems.

Frame: Extruded and anodised aluminium.

Gasket: Half round continuous expanded polyurethane.

Media: Glass fibre paper.

Separator: Hot-melt beads.

Sealant: Polyurethane.

Grid: Mild steel painted grille upstream and downstream.

EN 1822 efficiency: H14.

MPPS efficiency: $\geq 99.995\%$.

Recommended final pressure drop: 600 Pa.

Maximum flow rate: see table, use nominal values otherwise a reduction in efficiency may occur.

Temperature: 70°C maximum in continuous service.

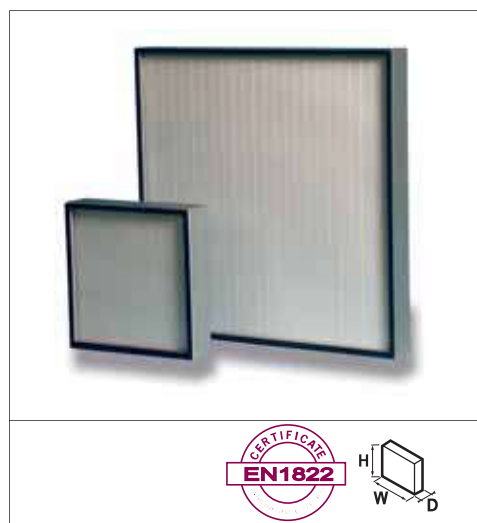
Test: 100% individually scanned to EN 1822.

Mounting system: Mechanical clamping structure, Terminal housing.

Reference	Type	Model	Dimensions (WxHxD) mm	Filter classification EN 1822	Media area m ²	Air flow/pressure drop m ³ /h/Pa	Air flow/pressure drop max m ³ /h/Pa	Unit weight kg	Unit volume m ³
3440.00.20	MEGALAM MXA	3P6	305x610x90	H14	6.3	300/90	650/195	3.0	0.02
3440.00.30	MEGALAM MXA	6P6	610x610x90	H14	12.7	600/90	1300/195	6.0	0.05
3440.00.40	MEGALAM MXA	9P6	915x610x90	H14	19.1	900/90	1950/195	9.0	0.05
3440.00.50	MEGALAM MXA	12P6	1220x610x90	H14	28.3	1200/90	2500/195	12.0	0.07
3444.00.20	MEGALAM MGA	3P6	305x610x110	H14	9.8	300/70	1000/220	5.0	0.02
3444.00.30	MEGALAM MGA	6P6	610x610x110	H14	19.8	600/70	2000/220	8.0	0.04
3444.00.40	MEGALAM MGA	9P6	915x610x110	H14	27.0	900/70	3000/220	10.0	0.06
3444.00.50	MEGALAM MGA	12P6	1220x610x110	H14	36.3	1200/70	4000/220	13.0	0.08

Other dimensions available on request - Also available with laminator

Megalam MD - H10 & H14



Advantages

- Low pressure drop
- Guaranteed performance
- Protection via 2 grids

Application: Final or return filtration for clean rooms with turbulent flow.

Type: HEPA filtering panel with seal for mechanical clamping mounting systems.

Frame: Extruded and anodised aluminium.

Gasket: Half round continuous expanded polyurethane.

Media: Glass fibre paper.

Separator: Hot-melt beads.

Sealant: Polyurethane.

Grid: Mild steel painted grille upstream and downstream.

EN 1822 efficiency: H10 / H14.

MPPS efficiency: H10: $\geq 85\%$, H14: $\geq 99.995\%$.

DOP efficiency: H10: $\geq 95\%$, H14: $\geq 99.999\%$.

Recommended final pressure drop: 600 Pa.

Maximum flow rate: See table, use nominal values otherwise a reduction in efficiency may occur.

Temperature: 70°C maximum in continuous service.

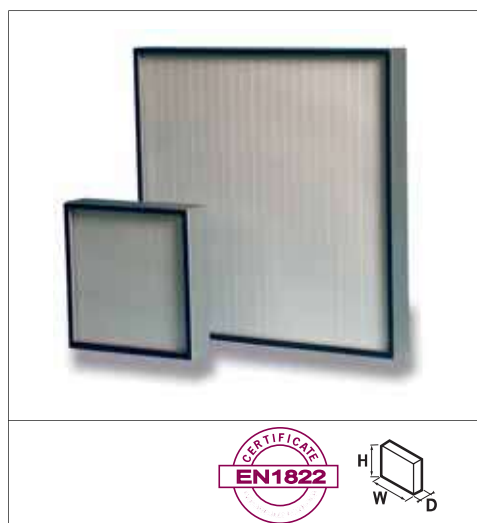
Test: : 100% individually scanned to EN 1822.

Mounting system: Mechanical clamping structure, Terminal housings.

Reference	Type	Model	Dimensions (WxHxD) mm	Filter classification EN 1822	Media area m ²	Air flow / pressure drop at 0.45 m/s m ³ /h/Pa	Unit weight kg	Unit volume m ³
3401.61.11	MEGALAM MDM	3P6	305x610x66	H10	4.6	300/70	2.0	0.02
3401.62.08	MEGALAM MDM	6P6	610x610x66	H10	9.3	600/70	4.0	0.03
3401.63.01	MEGALAM MDM	9P6	915x610x66	H10	14.0	900/70	6.0	0.05
3401.64.07	MEGALAM MDM	12P6	1220x610x66	H10	18.5	1200/70	9.0	0.07
3423.00.10	MEGALAM MDA	3P3	305x305x66	H14	2.4	150/140	1.0	0.01
3423.00.20	MEGALAM MDA	3P6	305x610x66	H14	4.8	300/130	3.0	0.02
3423.00.30	MEGALAM MDA	6P6	610x610x66	H14	10.0	600/120	5.0	0.03
3423.00.90	MEGALAM MDA	7P6	762x610x66	H14	12.3	750/120	5.0	0.04
3423.00.40	MEGALAM MDA	9P6	915x610x66	H14	14.8	900/120	6.0	0.05
3423.00.50	MEGALAM MDA	12P6	1220x610x66	H14	19.8	1200/120	9.0	0.07
3423.00.60	MEGALAM MDA	15P6	1525x610x66	H14	24.9	1500/120	10.0	0.07
3423.01.00	MEGALAM MDA	9P7	915x762x66	H14	18.6	1125/120	7.5	0.06
3423.01.10	MEGALAM MDA	12P7	1220x762x66	H14	24.9	1500/120	10.0	0.07
3423.01.20	MEGALAM MDA	15P7	1525x762x66	H14	31.0	1875/120	12.5	0.09
3423.01.30	MEGALAM MDA	18P7	1830x762x66	H14	37.2	2250/120	12.5	0.12
3423.01.40	MEGALAM MDA	3P9	305x915x66	H14	7.4	450/120	3.0	0.03
3423.01.50	MEGALAM MDA	9P9	915x915x66	H14	22.3	1350/120	9.0	0.06
3423.01.60	MEGALAM MDA	12P9	1220x915x66	H14	30.0	1800/120	12.0	0.08

Other dimensions available on request

Megalam MD & MG - U15



Advantages

- Guaranteed performance
- 100% individual scanning test according to standard EN 1822
- Protection via 2 grids
- Very high efficiency

Application: Final or return filtration for clean rooms with turbulent flow.

Type: ULPA filtering panel with seal for mechanical clamping systems.

Frame: Extruded and anodised aluminium.

Gasket: Half round continuous expanded polyurethane.

Media: Glass fibre paper.

Separator: Hot-melt beads.

Sealant: Polyurethane.

Grid: Mild steel painted grille upstream and downstream.

EN 1822 efficiency: U15.

MPPS efficiency: $\geq 99.9995\%$.

Recommended final pressure drop: 600 Pa.

Maximum flow rate: See table, use nominal values otherwise a reduction in efficiency may occur.

Temperature: 70°C maximum in continuous service.

Test: 100% individually scanned to EN 1822.

Mounting system: Mechanical clamping structure, Terminal housings.

Reference	Type	Model	Dimensions (WxHxD) mm	Filter classification EN 1822	Media area m ²	Air flow / pressure drop m ³ /hr/Pa	Unit weight kg	Unit volume m ³
3445.00.30	MEGALAM MGGS	6P6	610x610x110	U15			8.0	
3418.00.10	MEGALAM MDGS	3P3	305x305x66	U15	2,8	150/140	1.0	0,01
3418.00.20	MEGALAM MDGS	3P6	305x610x66	U15	5,5	300/140	2.0	0,02
3418.00.30	MEGALAM MDGS	6P6	610x610x66	U15	11,2	600/140	4.0	0,03
3418.00.90	MEGALAM MDGS	7P6	762x610x66	U15	14	750/140	5.0	0,04
3418.00.40	MEGALAM MDGS	9P6	915x610x66	U15	16,9	900/140	6.0	0,05
3418.00.50	MEGALAM MDGS	12P6	1220x610x66	U15	22,5	1200/140	8.0	0,07
3418.00.60	MEGALAM MDGS	15P6	1525x610x66	U15	28,3	1500/140	10.0	0,07
3418.00.80	MEGALAM MDGS	3P7	305x762x66	U15	7	375/140	2.5	0,02
3418.01.00	MEGALAM MDGS	9P7	915x762x66	U15	21,1	1125/140	7.5	0,06
3418.01.10	MEGALAM MDGS	12P7	1220x762x66	U15	28,3	1500/140	10.0	0,07
3418.01.20	MEGALAM MDGS	15P7	1525x762x66	U15	35,3	1875/140	12.5	0,09
3418.01.40	MEGALAM MDGS	3P9	305x915x66	U15	8,3	450/140	3.0	0,03
3418.01.50	MEGALAM MDGS	9P9	915x915x66	U15	25,3	1350/140	9.0	0,06
3418.01.60	MEGALAM MDGS	12P9	1220x915x66	U15	33,9	1800/140	12.0	0,08

Megalam (Laminator) MDL & MXL - U15 & U16



Advantages

- Laminarity better than +/- 20%
- 100% individual scanning test according to standard EN 1822
- Integrated laminator screen
- ULPA U15 and U16

Application: Final filtration for clean rooms, clean devices and units with laminar flow.

Type: ULPA filtering panel with laminator and gasket for mechanical clamping systems.

Frame: Extruded and anodised aluminium.

Gasket: Half round continuous expanded polyurethane.

Media: Glass fibre paper.

Separator: Hot-melt beads.

Sealant: Polyurethane.

Laminator: Screen bonded downstream for laminar diffusion.

Grid: Mild steel painted grille placed upstream.

EN 1822 efficiency: U15 / U16.

MPPS efficiency: U15: ≥99.9995%, U16: ≥99.99995%.

Recommended final pressure drop: 600 Pa.

Maximum flow rate: See table, use nominal values otherwise a reduction in efficiency may occur.

Temperature: 70°C maximum in continuous service.

Test: 100% individually scanned to EN 1822.

Mounting system: Mechanical clamping structure, Terminal housings.

Reference	Type	Model	Dimensions (WxHxD) mm	Filter classification EN 1822	Media area m ²	Air flow/pressure drop m ³ /h/Pa	Unit weight kg	Unit volume m ³
3449.20.40	MEGALAM MDLGS	9P6-01	915x610x66	U15	16.9	900/150	6.0	0.05
3449.00.40	MEGALAM MDLGS	9P6-10	915x610x66	U15	16.9	900/150	6.0	0.05
3449.20.50	MEGALAM MDLGS	12P6-01	1220x610x66	U15	22.5	1200/150	8.0	0.07
3449.00.50	MEGALAM MDLGS	12P6-10	1220x610x66	U15	22.5	1200/150	8.0	0.07
3450.20.40	MEGALAM MDLSGS	9P6-01	915x610x66	U16	18.4	900/165	6.0	0.05
3450.00.40	MEGALAM MDLSGS	9P6-10	915x610x66	U16	18.4	900/165	6.0	0.05
3450.00.50	MEGALAM MDLSGS	12P6-01	1220x610x66	U16	24.5	1200/165	8.0	0.07
3450.20.50	MEGALAM MDLSGS	12P6-01	1220x610x66	U16	24.5	1200/165	8.0	0.07
3425.20.30	MEGALAM MXLGS	6P6-01	610x610x90	U15	15.4	600/120	5.6	0.05
3425.00.30	MEGALAM MXLGS	6P6-10	610x610x90	U15	15.4	600/120	5.6	0.05

Other dimensions available on request

Silent Hood Diffuser - H14



Advantages

- H14 compact filter-diffuser for clean room
- Quiet: LW = 35 dB
- Ready to install
- Laminarity +/- 20%

Application: Final filtration for clean rooms.

Type: Ready to install HEPA/ULPA filter diffuser.

Frame: Extruded and anodised aluminium, galvanised steel cover.

Gasket: 10x5mm neoprene, self adhesive ready for installation.

Media: Glass fibre paper.

Separator: Hot melt beads.

Sealant: Polyurethane.

Connection: Spigot with outer dia. 315mm or 250mm depending on the model.

Grid: Downstream in painted mild steel.

EN 1822 efficiency: H14.

MPPS efficiency: ≥99.995%.

Recommended final pressure drop: 600 Pa.

Maximum flow rate: See table, use nominal values otherwise a reduction in efficiency may occur.

Temperature: 70°C maximum in continuous service.

Test: 100% individually scanned in accordance with EN 1822.

Mounting system: Mechanical clamping structures.

Reference	Type	Model	Dimensions (WxHxD) mm	Filter classification EN 1822	media area m ²	Air flow/nominal pressure drop m ³ /h/Pa	Unit weight kg	Unit volume m ³
5970.00.21	Silent Hood	MDSHA RF1	300x600x116/250	H14	4.2	300/140	10	0.03
5975.00.31	Silent Hood	MDSHA RF1	600x600x116/315	H14	9.2	600/140	13	0.06
5975.00.41	Silent Hood	MDSHA RF	905x600x116/335	H14	14	900/140	16	0.09
5975.00.51	Silent Hood	MDSHA RF1	1210x600x116/315	H14	19	1200/140	19	0.13
5975.00.20	Silent Hood	MDSHA RF1	305x610x116/250	H14	4.3	300/140	10	0.03
5975.00.30	Silent Hood	MDSHA RF1	610x610x116/315	H14	9.4	600/140	13	0.06
5975.00.40	Silent Hood	MDSHA RF	915x610x116/315	H14	14.6	900/140	16	0.09
5975.00.50	Silent Hood	MDSHA RF	1220x610x116/315	H14	19.5	1200/140	19	0.13

Other dimensions available on request. Available in other grades and with a laminator

Megalam U (Gel) - H14 & U15



Advantages

- Leaktightness by means of gel
- 100% individual control
- Can be assembled without clamping

Application: Final filtration for clean rooms and housings.

Type: HEPA/ULPA filter with gel seal.

Frame: Anodized aluminium.

Gasket: PU gel.

Media: Glass fibre paper.

Separator: Hot melt beads.

Sealant: Polyurethane.

Grid: Mild steel white epoxy paint upstream and downstream.

EN 1822 efficiency: H14 and U15.

MPPS efficiency: H14 = 99.995%, U15 = 99.9995%.

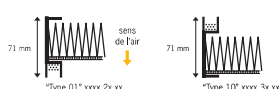
Temperature: 70°C maximum in continuous service.

Test: 100% individually scanned in accordance with EN 1822.

Reference	Type	Filter classification EN 1822	Dimensions (WxHxD)mm	Media area m ²	Air flow/pressure drop m ³ /h/Pa	Air flow / pressure drop max m ³ /h/Pa	Unit volume m ³	Unit weight kg
3413.08.96	MEGALAM MDA U	H14	305x305x78	2.4	150/120	250/200	0.01	2.0
3413.08.89	MEGALAM MDA U	H14	305x610x78	4.8	300/120	300/200	0.02	4.0
3413.08.79	MEGALAM MDA U	H14	610x610x78	10.0	600/120	1000/200	0.03	6.0
3413.08.87	MEGALAM MDA U	H14	915x610x78	14.8	900/120	1500/200	0.05	8.0
3413.08.90	MEGALAM MDA U	H14	1220x610x78	19.8	1200/120	2000/200	0.06	11.0
3413.08.97	MEGALAM MDA U	H14	305x762x78	6.1	375/120	625/200	0.02	4.5
3413.08.98	MEGALAM MDA U	H14	915x762x78	18.6	1125/120	1875/200	0.05	9.0
3413.08.91	MEGALAM MDA U	H14	1220x762x78	24.9	1500/120	2500/200	0.07	13.0
3413.08.88	MEGALAM MDA U	H14	915x915x78	22.3	1350/120	2250/200	0.06	12.0
3413.08.95	MEGALAM MDA U	H14	1220x915x78	29.0	1800/120	3000/200	0.08	15.0
3413.08.82	MEGALAM MDGS U	U15	762x610x78	14.0	750/140	-	0.04	6.5
3413.08.81	MEGALAM MDGS U	U15	915x610x78	16.9	900/140	-	0.05	8.0
3413.18.02	MEGALAM MDGS U	U15	915x762x78	21.1	1125/140	-	0.05	9.0
3413.08.84	MEGALAM MDGS U	U15	1220x762x78	28.3	1500/140	-	0.07	13.0
3413.08.80	MEGALAM MDGS U	U15	915x915x78	25.3	1350/140	-	0.06	12.0

Other dimensions available on request.

Megalam T (Gel) - H14 & U15



Advantages

- Compact design
- Secure protection of the filter media
- 100% individually scanned tested in accordance with EN 1822
- Laminar air flow distribution

Application: Gel seal filter for terminal housings and laminar flow environments.

Type: HEPA/ULPA filter with gel seal.

Frame: Extruded anodised aluminium.

Media: Glass fibre paper.

Separator: Hot-melt beads.

Sealant: Polyurethane.

Gasket: PU Gel.

EN 1822 efficiency: H14 and U15.

MPPS efficiency: H14 = 99.995%, U15 = 99.9995%.

Recommended final pressure drop: 600 Pa.

Maximum air flow rate: See table, use nominal values otherwise a reduction in efficiency may occur.

Temperature: 70°C maximum in continuous service.

Test: 100% individually scanned in accordance with EN 1822.

Mounting systems: Ceiling mounted grid systems and terminal housings.

Reference	Type	Model	Dimensions (WxHxD) mm	Filter classification EN 1822	Media area m ²	Air flow/pressure drop m ³ /h/Pa	Unit weight kg	Unit volume m ³
3471.x0.10	MEGALAM	MDT14 U-305x305x71-2G	305x305x71	H14	2,4	150/120	1	0,01
3471.x0.20	MEGALAM	MDT14 U-305x610x71-2G	305x610x71	H14	4,8	300/120	2	0,02
3471.x0.30	MEGALAM	MDT14 U-610x610x71-2G	610x610x71	H14	10	600/120	4	0,03
3471.x0.90	MEGALAM	MDT14 U-762x610x71-2G	762x610x71	H14	12,3	750/120	5	0,04
3471.x0.40	MEGALAM	MDT14 U-915x610x71-2G	915x610x71	H14	14,8	900/120	6	0,05
3471.x0.50	MEGALAM	MDT14 U-1220x610x71-2G	1220x610x71	H14	19,8	1200/120	8	0,06
3471.x0.80	MEGALAM	MDT14 U-305x762x71-2G	305x762x71	H14	6	375/120	2,5	0,02
3471.x1.00	MEGALAM	MDT14 U-915x762x71-2G	915x762x71	H14	18,6	1125/120	7,5	0,06
3471.x1.10	MEGALAM	MDT14 U-1220x762x71-2G	1220x762x71	H14	24,9	1500/120	10	0,07
3471.x1.50	MEGALAM	MDT14 U-915x915x71-2G	915x915x71	H14	22,3	1350/120	9	0,06
3471.x1.60	MEGALAM	MDT14 U-1220x915x71-2G	1220x915x71	H14	30	1800/120	12	0,08
3472.x0.20	MEGALAM	MDT15 U-305x610x71-2G	305x610x71	U15	5,5	300/140	2	0,017
3472.x0.30	MEGALAM	MDT15 U-610x610x71-2G	610x610x71	U15	11,2	600/140	4	0,034
3472.x0.90	MEGALAM	MDT15 U-762x610x71-2G	762x610x71	U15	14	750/140	5	0,042
3472.x0.40	MEGALAM	MDT15 U-915x610x71-2G	915x610x71	U15	16,9	900/140	6	0,051
3472.x0.50	MEGALAM	MDT15 U-1220x610x71-2G	1220x610x71	U15	22,5	1200/140	8	0,068
3472.x0.80	MEGALAM	MDT15 U-305x762x71-2G	305x762x71	U15	7	375/140	2,5	0,021
3472.x1.00	MEGALAM	MDT15 U-915x762x71-2G	915x762x71	U15	21,1	1125/140	7,5	0,064
3472.x1.10	MEGALAM	MDT15 U-1220x762x71-2G	1220x762x71	U15	28,3	1500/140	10	0,069
3472.x1.50	MEGALAM	MDT15 U-915x915x71-2G	915x915x71	U15	25,3	1200/140	9	0,062

Please Note:

Seal Position "01" : x = 2

Seal Position "10" : x = 3

Other dimensions available on request

Megalam MD & MX e-PTFE - U15



Advantages

- Very high efficiency
- High mechanical strength
- Chemical resistance
- No outgassing

Application: Very high efficiency final filter for clean environments and LAF benches.

Type: ULPA filter.

Frame: Extruded anodised aluminium.

Media: e PTFE (Teflon).

Separator: Hot-melt beads.

Sealant: Polyurethane.

Gasket: Half round continuous expanded polyurethane.

EN 1822 efficiency: U15

MPPS efficiency: > 99.9995%

Maximum air flow rate: See table, use nominal values otherwise a reduction in efficiency may occur.

Temperature: 70°C maximum in continuous service.

Test: 100% individually scanned in accordance with EN 1822.

Mounting system: Ceiling mounted grid systems, terminal housings and clean devices.

Reference	Type	Filter classification EN 1822	Dimensions (WxHxD)mm	Media area m ²	Air flow/Preassure drop m ³ /h/Pa	Unit volume m ³	Unit weight kg
1645020Z	MD15/PTFE-305×610	U15	305x610x66	4,80	300/105	0,017	2,00
1645050B	MD15/PTFE-610×610	U15	610x610x66	9,70	605/100	0,034	4,00
1645150	MD15/PTFE-1220×610	U15	1220x610x66	19,50	1205/100	0,068	8,00
164550P1	MD15/PTFE-1220×915	U15	1220x915x66	29,20	1810/100	0,083	12,00
164902	MX15/PTFE-305×610	U15	305x610x90	6,60	300/85	0,023	2,80
164907	MX15/PTFE-610×610	U15	610x610x90	13,20	605/80	0,046	5,60
1649000	MX15/PTFE-1220×610	U15	1220x610x90	26,60	1205/80	0,092	11,20
16490000	MX15/PTFE-1220×915	U15	1220x915x90	40,10	1810/80	0,112	16,80