

Megalam MD, MX, MG

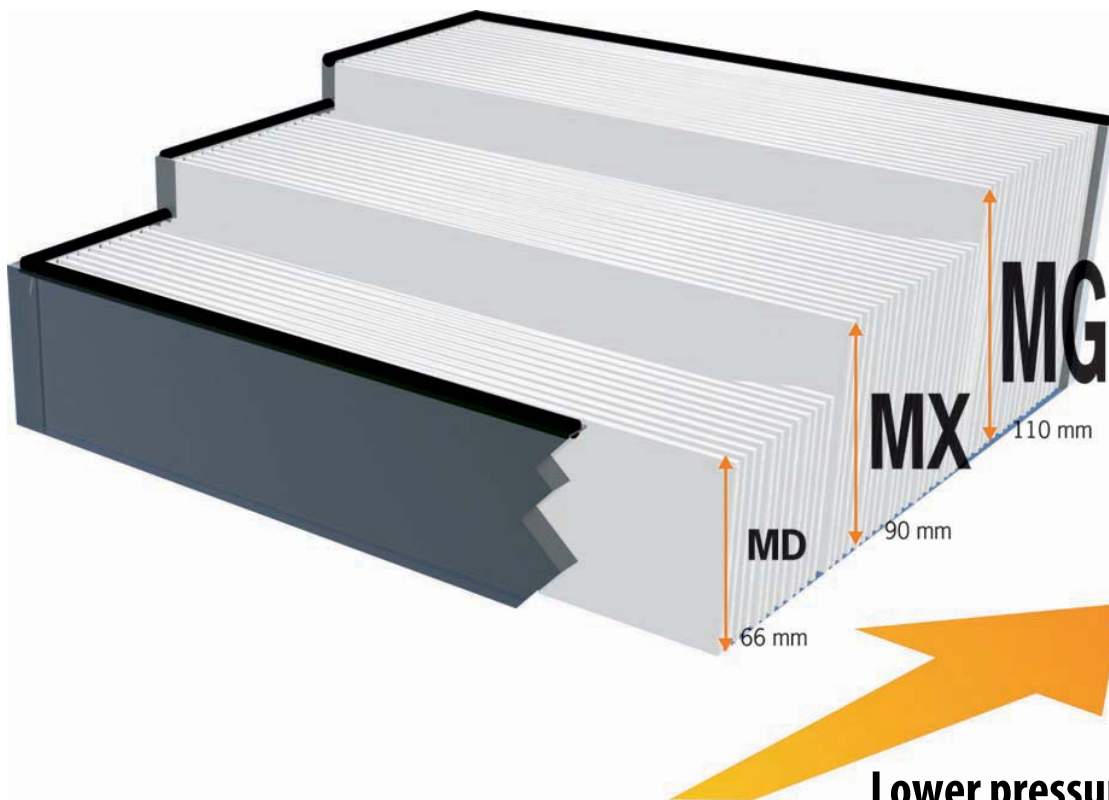


Advantages

- Low pressure drop
- Low noise
- Higher flow rate
- Longer operating life

Example: Megalam H14 / 610x610 mm

	MD	MX	MG
Filter area	10m ²	12.5m ²	18m ²
Pressure drop at 0.45 m/s	140 Pa	95 Pa (-32%)	65 Pa (-54%)
Maximum airflow	900 m ³ /h	1300 m ³ /h	2000 m ³ /h
Energy		-32%	-54%
Lifespan	(-)	x 1.5	x 2.5



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

Megalam Configurations Options

We have included a range of standard configurations in this catalogue, but the Megalam series of clean room panels can be configured with a wide range of options to meet your requirement. Options include (first item denotes the standard product):

Element	Options
Gasket	<ul style="list-style-type: none"> - Endless Polyurethane - Poron - Neoprene - PU Gel - Silicone Gel - None
Faceguard	<ul style="list-style-type: none"> - RAL 9016 powder coated hot dip galvanized iron - Custom color powder coated hot dip galvanized iron - Stainless steel - Anodized aluminium - None
Frame Type	<ul style="list-style-type: none"> - Anodized aluminium - Anodized aluminium knife type
High Performance Airflow Distribution	<ul style="list-style-type: none"> - Glass fibre screen - Synthetic screen
Filter Efficiency	<ul style="list-style-type: none"> - H10 - U17 according to EN1822 - Rating at 0.3 µm or 0.12 µm
Test Aerosol	<ul style="list-style-type: none"> - DEHS (liquid) - PSL (solid) - None
Fire Rating	<ul style="list-style-type: none"> - DIN 53438 - UL 900 - FM 4920
Media Options	<ul style="list-style-type: none"> - Glass fibre media - Low boron media - ePFTE media

HEPA / ULPA Panels

Profiles for Megalam Filter



Extruded aluminium frames for megalam filters

This overview shows the different standard frame profiles available.

Frame

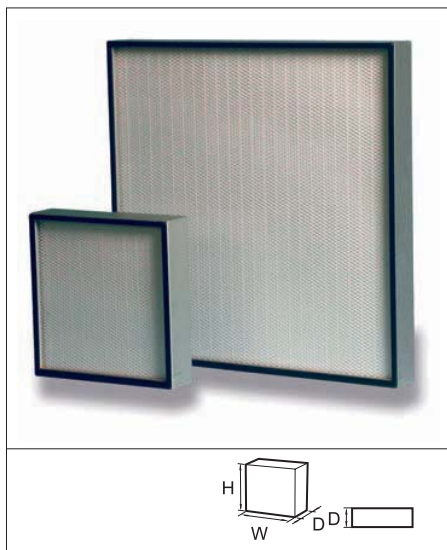
Seal	Filter Type		
	MD	MX	MG
GASKET			
LIQUID SEAL			
LIQUID SEAL			
KNIFE EDGE			

* Other profile configurations are available upon request

As part of our continuous improvement, Camfil Farr reserve the right to change specifications without notice.

HEPA/ULPA Panels

Megalam MD - H13 to U15



Advantages

- Low pressure drop
- Double faceguard
- Individually tested according to EN 1822
- Guaranteed performance
- Laminarity better than +/- 20%

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

Type: High efficiency filter panel with seal for mechanical clamping mounting systems.

Frame: Extruded and anodized aluminium.

Gasket: Endless polyurethane at inlet.

Media: Glass fibre paper.

Separator: Hot-melt beads.

Sealant: Polyurethane.

Faceguard: Expanded metal on both sides, powder coated with RAL 9016.

EN 1822:2009 filter class: H13, H14, U15.

MPPS efficiency: H13: $\geq 99.95\%$, H14: $\geq 99.995\%$, U15: $\geq 99.9995\%$.

Recommended final pressure drop: 500 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 tested according to EN 1822.

Mounting system: Mechanical clamping structure, Terminal housings.

Fire rating: UL 900, FM 4920 approval on request.

Reference	Model	Dimensions (WxHxD) mm	Filter Classification EN 1822:2009	Media area m ²	Airflow / pressure drop m ³ / hr / Pa	Unit Weight kg	Unit Volume m ³
15002001	MD13-305*305-10/22	305 x 305 x 66	H13	2.4	151/119	1	0.01
15002002	MD13-305*610-10/22	305 x 610 x 66	H13	4.8	301/116	2	0.02
15002003	MD13-610*610-10/22	610 x 610 x 66	H13	9.7	603/115	4	0.03
15002004	MD13-762*610-10/22	762 x 610 x 66	H13	12.2	753/115	5	0.04
15002005	MD13-914*610-10/22	914 x 610 x 66	H13	14.6	903/114	6	0.05
15002006	MD13-1219*610-10/22	1219 x 610 x 66	H13	19.5	1205/114	8	0.07
15002007	MD13-1524*610-10/22	1524 x 610 x 66	H13	24.5	1506/114	10	0.09
15002008	MD13-914*762-10/22	914 x 762 x 66	H13	18.4	1128/114	7.5	0.07
15002009	MD13-1219*762-10/22	1219 x 762 x 66	H13	24.5	1505/114	10	0.09
15002010	MD13-1524*762-10/22	1524 x 762 x 66	H13	30.7	1881/114	12.5	0.11
15002011	MD13-914*914-10/22	914 x 914 x 66	H13	22.1	1353/113	9	0.08
15002201	MD14-305*305-10/22	305 x 305 x 66	H14	2.4	151/145	1	0.01
15002202	MD14-305*610-10/22	305 x 610 x 66	H14	4.8	301/142	2	0.02
15002203	MD14-610*610-10/22	610 x 610 x 66	H14	9.7	603/141	4	0.03
15002204	MD14-762*610-10/22	762 x 610 x 66	H14	12.2	753/140	5	0.04
15002205	MD14-914*610-10/22	914 x 610 x 66	H14	14.6	903/140	6	0.05
15002206	MD14-1219*610-10/22	1219 x 610 x 66	H14	19.5	1205/140	8	0.07
15002207	MD14-1524*610-10/22	1524 x 610 x 66	H14	24.5	1506/140	10	0.09
15002208	MD14-914*762-10/22	914 x 762 x 66	H14	18.4	1128/139	7.5	0.07
15002209	MD14-1219*762-10/22	1219 x 762 x 66	H14	24.5	1505/139	10	0.09
15002210	MD14-1524*762-10/22	1524 x 762 x 66	H14	30.7	1881/139	12.5	0.17
15002211	MD14-914*914-10/22	914 x 914 x 66	H14	22.1	1353/139	9	0.08
15002401	MD15-305*305-10/22	305 x 305 x 66	U15	2.7	151/150	1	0.01
15002402	MD15-305*610-10/22	305 x 610 x 66	U15	5.6	301/146	2	0.02
15002403	MD15-610*610-10/22	610 x 610 x 66	U15	11.3	603/146	4	0.03
15002404	MD15-762*610-10/22	762 x 610 x 66	U15	14.2	753/145	5	0.04
15002405	MD15-914*610-10/22	914 x 610 x 66	U15	17.1	903/145	6	0.05
15002406	MD15-1219*610-10/22	1219 x 610 x 66	U15	22.7	1205/145	8	0.07
15002407	MD15-1524*610-10/22	1524 x 610 x 66	U15	28.5	1506/144	10	0.09
15002408	MD15-914*762-10/22	914 x 762 x 66	U15	21.4	1128/144	7.5	0.07
15002409	MD15-1219*762-10/22	1219 x 762 x 66	U15	28.5	1505/144	10	0.09
15002410	MD15-1524*762-10/22	1524 x 762 x 66	U15	35.7	1881/144	12.5	0.11
15002411	MD15-914*914-10/22	914 x 914 x 66	U15	26	1353/143	9	0.08

* Other sizes are available on request.

HEPA/ULPA Panels

Megalam MX - H14 to U15



Advantages

- Low pressure drop
- Higher flow rate
- Individually tested according to EN 1822
- Longer operating life
- Laminarity better than +/- 20%

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

Type: High efficiency filter panel with seal for mechanical clamping systems.

Frame: Extruded and anodised aluminium.

Gasket: Polyurethane endless at inlet.

Media: Glass fibre paper.

Separator: Hot-melt beads.

Sealant: Polyurethane.

Faceguard: Expanded metal on both side, powder coated RAL 9016.

EN 1822:2009 filter class: H14, U15.

MPPS efficiency: H14: $\geq 99.995\%$, U15: $\geq 99.9995\%$.

Recommended final pressure drop: 500 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 tested according to EN 1822.

Mounting system: Mechanical clamping structure, Terminal housing.

Fire rating: UL 900, FM 4920 approval on request.

Reference	Model	Dimensions (WxHxD) mm	Filter Classification EN 1822:2009	Media area m ²	Airflow / pressure drop m ³ / hr / Pa	Unit Weight kg	Unit Volume m ³
15002801	MX14-305*305-10/22	305 x 305 x 90	H14	3.2	151/99	1.4	0.01
15002802	MX14-305*610-10/22	305 x 610 x 90	H14	6.6	301/96	2.8	0.02
15002803	MX14-610*610-10/22	610 x 610 x 90	H14	13.2	603/96	5.6	0.04
15002804	MX14-762*610-10/22	762 x 610 x 90	H14	16.5	753/95	7	0.05
15002805	MX14-914*610-10/22	914 x 610 x 90	H14	20.2	903/95	8.4	0.07
15002806	MX14-1219*610-10/22	1219 x 610 x 90	H14	27	1205/95	11.2	0.09
15002807	MX14-1524*610-10/22	1524 x 610 x 90	H14	33.2	1506/95	14	0.12
15002808	MX14-914*762-10/22	914 x 762 x 90	H14	25.2	1128/95	10.5	0.09
15002809	MX14-1219*762-10/22	1219 x 762 x 90	H14	33.4	1505/95	14	0.12
15002810	MX14-1524*762-10/22	1524 x 762 x 90	H14	42.2	1881/95	17.5	0.14
15002811	MX14-914*914-10/22	914 x 914 x 90	H14	30	1353/95	12.6	0.1
15003001	MX15-305*305-10/22	305 x 305 x 90	U15	3.7	151/119	1.4	0.01
15003002	MX15-305*610-10/22	305 x 610 x 90	U15	7.5	301/116	2.8	0.02
15003003	MX15-610*610-10/22	610 x 610 x 90	U15	15.2	603/115	5.6	0.04
15003004	MX15-762*610-10/22	762 x 610 x 90	U15	19	753/115	7	0.06
15003005	MX15-914*610-10/22	914 x 610 x 90	U15	23.1	903/115	8.4	0.07
15003006	MX15-1219*610-10/22	1219 x 610 x 90	U15	30.5	1205/115	11.2	0.09
15003007	MX15-1524*610-10/22	1524 x 610 x 90	U15	38.1	1506/115	14	0.12
15003008	MX15-914*762-10/22	914 x 762 x 90	U15	28.6	1128/115	10.5	0.09
15003009	MX15-1219*762-10/22	1219 x 762 x 90	U15	38.2	1505/114	14	0.12
15003010	MX15-1524*762-10/22	1524 x 762 x 90	U15	48.4	1881/114	17.5	0.14
15003011	MX15-914*914-10/22	914 x 914 x 90	U15	34.4	1353/114	12.6	0.1

* Other sizes are available on request.

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HEPA/ULPA Panels

Megalam MG - H14 to U15



Advantages

- Low pressure drop
- Double faceguard
- Individually tested according to EN 1822
- Longer operating life
- Laminarity better than +/- 20%

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

Type: High efficiency filter panel with seal for mechanical clamping mounting systems.

Frame: Extruded and anodized aluminium.

Gasket: Endless polyurethane at inlet.

Media: Glass fibre paper.

Separator: Hot-melt beads.

Sealant: Polyurethane.

Faceguard: Expanded metal on both sides, powder coated with RAL 9016.

EN 1822:2009 filter class: H14, U15.

MPPS efficiency: H14: $\geq 99.995\%$, U15: $\geq 99.9995\%$.

Recommended final pressure drop: 500 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 tested according to EN 1822.

Mounting system: Mechanical clamping structure, Terminal housings.

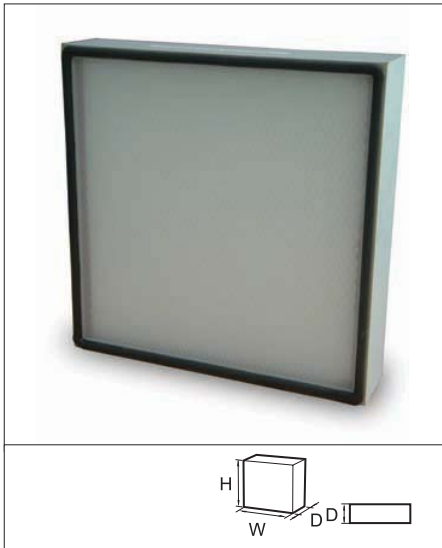
Fire rating: UL 900, FM 4920 approval on request.

Reference	Model	Dimensions (WxHxD) mm	Filter Classification EN 1822:2009	Media area m ²	Airflow / pressure drop m ³ / hr / Pa	Unit Weight kg	Unit Volume m ³
15003401	MG14-305*305-10/22	305 x 305 x 110	H14	4.2	151/66	1.7	0.02
15003402	MG14-305*610-10/22	305 x 610 x 110	H14	8.7	301/65	2.9	0.03
15003403	MG14-610*610-10/22	610 x 610 x 110	H14	17.5	603/65	5.3	0.06
15003404	MG14-762*610-10/22	762 x 610 x 110	H14	22.2	753/64	6.5	0.07
15003405	MG14-914*610-10/22	914 x 610 x 110	H14	26.3	903/64	7.7	0.09
15003406	MG14-1219*610-10/22	1219 x 610 x 110	H14	35.2	1205/64	10	0.14
15003407	MG14-1524*610-10/22	1524 x 610 x 110	H14	44	1506/64	12.4	0.14
15003408	MG14-914*762-10/22	914 x 762 x 110	H14	33.4	1128/64	9.4	0.11
15003409	MG14-1219*762-10/22	1219 x 762 x 110	H14	44.2	1505/64	12.4	0.14
15003410	MG14-1524*762-10/22	1524 x 762 x 110	H14	55.2	1881/64	15.4	0.14
15003411	MG14-914*914-10/22	914 x 914 x 110	H14	40.1	1353/64	11.2	0.13
15003601	MG15-305*305-10/22	305 x 305 x 110	U15	4.6	151/83	1.7	0.02
15003602	MG15-305*610-10/22	305 x 610 x 110	U15	9.3	301/81	2.9	0.03
15003603	MG15-610*610-10/22	610 x 610 x 110	U15	19	603/81	5.3	0.06
15003604	MG15-762*610-10/22	762 x 610 x 110	U15	23.5	753/80	6.5	0.07
15003605	MG15-914*610-10/22	914 x 610 x 110	U15	28.2	903/80	7.7	0.09
15003606	MG15-1219*610-10/22	1219 x 610 x 110	U15	38.4	1205/80	10	0.11
15003607	MG15-1524*610-10/22	1524 x 610 x 110	U15	48	1506/80	12.4	0.14
15003608	MG15-914*762-10/22	914 x 762 x 110	U15	35.4	1128/80	9.4	0.11
15003609	MG15-1219*762-10/22	1219 x 762 x 110	U15	48	1505/80	12.4	0.14
15003610	MG15-1524*762-10/22	1524 x 762 x 110	U15	60	1881/80	15.4	0.14
15003611	MG15-914*914-10/22	914 x 914 x 110	U15	43	1353/80	11.2	0.13

* Other sizes are available on request.

HEPA/ULPA Panels

Megalam (Laminator) MDL, MXL, MGL - H14 to U15



Advantages

- Low pressure drop
- Single faceguard
- Individually tested according to EN 1822
- Longer operating life
- Laminarity better than +/- 10%

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

Type: High efficiency filter panel with laminator and seal for mechanical clamping systems.

Frame: Extruded and anodized aluminium.

Gasket: Polyurethane endless at outlet.

Media: Glass fibre paper.

Separator: Hot-melt beads.

Sealant: Polyurethane.

Laminator: Glass fibre screen, bonded downstream for laminar diffusion.

Faceguard: Expanded metal at inlet side, powder coated RAL 9016.

EN 1822:2009 filter class: H14, U15.

MPPS efficiency: H14: $\geq 99.995\%$, U15: $\geq 99.9995\%$.

Recommended final pressure drop: 500 Pa.

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

Temperature: 70°C maximum in continuous service.

Mounting system: Mechanical clamping structure, Terminal housing.

Fire rating: UL 900, FM 4920 approval on request.

Reference	Model	Dimensions (WxHxD) mm	Filter Classification EN 1822:2009	Media area m ²	Airflow / pressure drop m ³ / hr / Pa	Unit Weight kg	Unit Volume m ³
15000203	MDL14-610*610-01/20	610 x 610 x 66	H14	9.7	603/156	4	0.03
15000206	MDL14-1219*610-01/20	1219 x 610 x 66	H14	19.5	1205/155	8	0.07
15000403	MDL15-610*610-01/20	610 x 610 x 66	U15	11.3	603/161	4	0.03
15000406	MDL15-1219*610-01/20	1219 x 610 x 66	U15	23.1	1205/160	8	0.07
15000803	MXL14-610*610-01/20	610 x 610 x 90	H14	13.2	603/110	5.6	0.03
15000806	MXL14-1219*610-01/20	1219 x 610 x 90	H14	26.6	1205/110	11.2	0.07
15001003	MXL15-610*610-01/20	610 x 610 x 90	U15	15.2	603/131	5.6	0.03
15001006	MXL15-1219*610-01/20	1219 x 610 x 90	U15	30.5	1205/130	11.2	0.07
15001403	MGL14-610*610-01/20	610 x 610 x 110	H14	17.5	603/75	5.3	0.04
15001406	MGL14-1219*610-01/20	1219 x 610 x 110	H14	35.2	1205/74	10	0.08
15001603	MGL15-610*610-01/20	610 x 610 x 110	U15	18.8	603/95	5.3	0.04
15001606	MGL15-1219*610-01/20	1219 x 610 x 110	U15	37.8	1205/94	10	0.08

* Other sizes are available on request.