

product catalogue

Camfil Farr

Air Filter Products and Services

Air Filtration Solutions - Asia Pacific & Middle East

Camfil Farr – clean air solutions





Camfil Farr - Ipoh, Malaysia plant.



Camfil Farr - Kunshan, China plant.

Dear Customer:

We are happy to provide this latest edition of the Camfil Farr Product Catalogue.

We've tried to make it easy to use and have included extensive product information, application guides and reference tools to simplify the selection of the right Camfil Farr Clean Air Solution. This catalogue along with additional application specific information is also on the enclosed CD.

Camfil Farr is a Clean Air Solution provider to the world, our product range includes many industry benchmark filters. Already a market leader in Europe and North America, growing Camfil Farr investments have made us the fastest growing Clean Air Solution provider in Asia. Building on our strength of in-house process development, continuous product R&D and global purchasing power Camfil Farr operates multiple factories and an extensive sales network dedicated to the support of our valued customers in Asia. We have also developed a wide range of technical support tools including software packages that can assist in Life Cycle Cost evaluation, Clean Room design, Filter Performance Data and Chemical Filter Selection.

We are also proud to be helping our customers become more environmentally friendly. Our R&D efforts are focused on developing sustainable solutions that take into account complete product life cycles. For a customer using high performance Camfil Farr products this translates into reduced energy consumption and lower operating costs. This is good for our customers and for the planet.

If you would like more information about any of these programs, please contact your local Camfil Farr Sales Office or Distributor.

Alternatively, you can visit our website at www.camfilfarr.com.

We are pleased to offer this wide range of Clean Air Solutions, please enjoy your reading.

Phil Whitaker
President,
Camfil Farr Asia & Middle East.



ALL HEPA/ULPA filters are individually tested according to EN 1822



Production in controlled environment



All plants are ISO 9000 certified



Advanced molecular filter production



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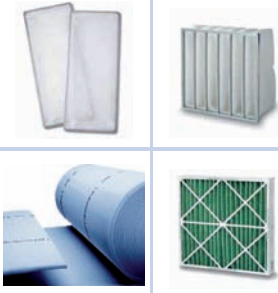

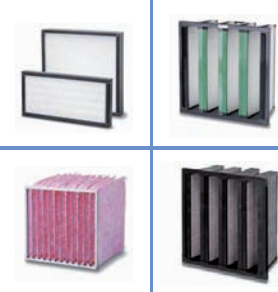
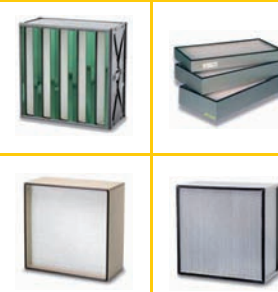

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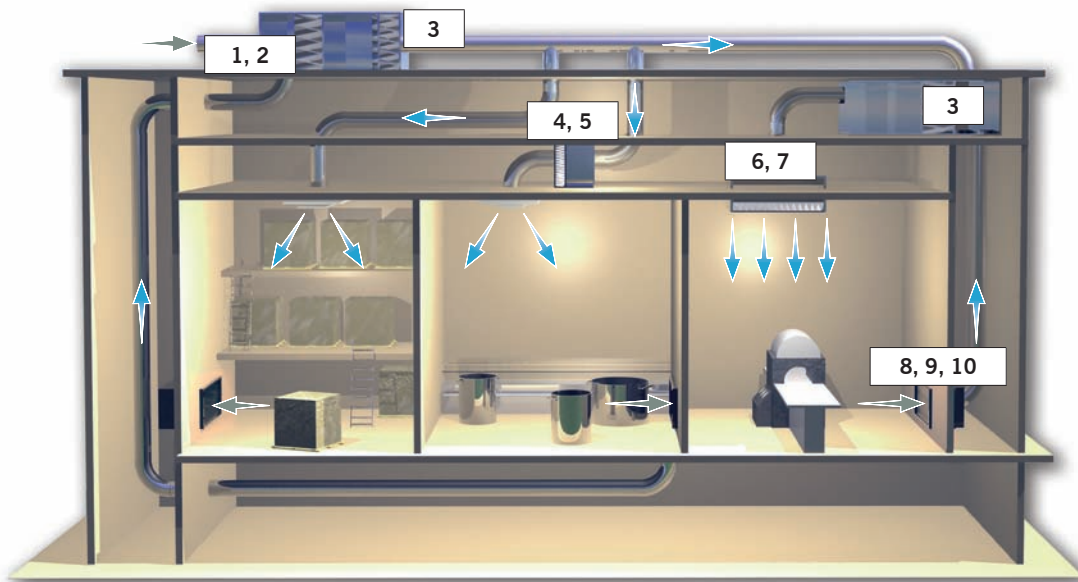
Quick Selection Guide

		Filter Grade		Air Filter Selection			
Primary Filtration	Medium Efficiency	Primary Filters	ASHRAE 52.2 - 2007	MERV 2 - 4 MERV 5 - 6 MERV 7 - 9	EN 779 : 2002	Primary Filters	
						G2 65% G3 80% G4 90%	
Filtration for Air Conditioning Systems. Pre-filtration for EPA/HEPA/ULPA Filters	High Efficiency	Fine Filters	ASHRAE 52.2 - 2007	MERV 10 MERV 11-12 MERV 13 MERV 14 MERV 15	EN 779 : 2002	Fine Filters	
						F5 40% F6 60% F7 80% F8 90% F9 95%	
Final Filters / Clean Room Filters	Very High Efficiency	DOP 0.3um	ULPA HEPA EPA	IV 95% IV 99,9% IV 99,97% IV 99,99% IV 99,999%	EN 1822 : 2009	MPPS (Most Penetrating Particle Size)	
						E10 85% E11 95% E12 99,5% H13 99,95% H14 99,995% U15 99,9995% U16 99,99995% U17 99,999995%	
Molecular	CityFlo, CitySorb, CityCarb, CamCarb						
Frames, housings & speciality filters							
Filter Housings, Camseal FC Casings, Type 8 Frames							

Food Industry

Protecting human health is a major concern for governments throughout the world. In many countries agencies associated with food safety have the authority to take direct action against manufacturers who fail to ensure the safety of foodstuffs that they produce. To prevent the air conditioning system from becoming contaminated, temperature, humidity and cleanliness must be closely controlled. Talk with the experts in clean air solutions - Camfil Farr.

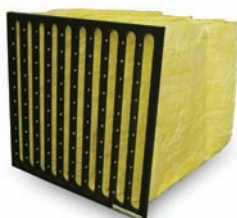
Segment brochure enclosed on CD



Food Industry recommendations



1. Hi-Cap Green



2. Hi-Flo Green



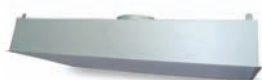
3. Opakfil F8



4. Sofilair H13



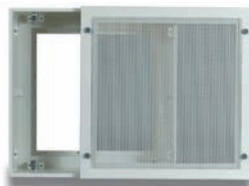
5. FC - Filter Casing



6. Sofdistri



7. Megalam



8. Sofdistri Exhaust

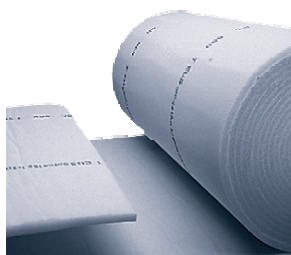


9. 30/30



10. Aeropac Green

Summary Pre-filtration, Class G3 to F5



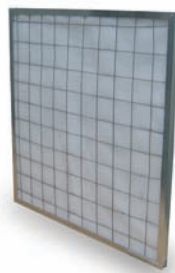
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Media Rolls

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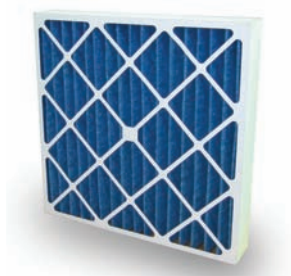
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Fan Coil Filter
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Media Holding Frame (MHF)

Media Holding Frame (MHF)
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Pleated Panel Filters

AeroPleat® III
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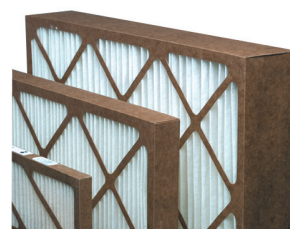
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Pleated Panel Filters

AP Eleven
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Pleated Panel Filters

30/30® WR
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Primary Bag Filters

Hi-Cap® HF 90/35
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Primary Bag Filters

Hi-Cap® Green HF 90/35
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Metal Filters

Type F/S
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Metal Filters

ECO®Moisture Separator
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Summary Bag and Compact Filters, Class F5 to F9



Bag Filters Glass Fibre

Hi-Flo® M-Series

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Bag Filters Glass Fibre

Hi-Flo® P-Series

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Bag Filters Glass Fibre

Hi-Flo® U-Series

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Bag Filters Glass Fibre

Hi-Flo® A-Series

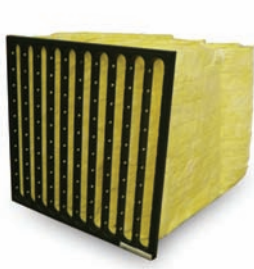
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Bag Filters Glass Fibre

Hi-Flo® T-Series

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Bag Filters Glass Fibre

Hi-Flo® Green

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Bag Filters Synthetic Media

S-Flo P Series

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Bag Filters Synthetic Media

S-Flo U Series

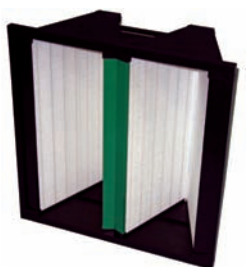
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Bag Filters Synthetic Media

S-Flo A Series

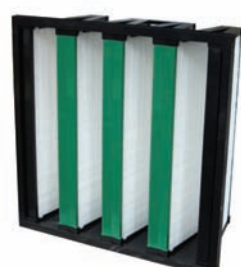
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Compact Filter

Opakfil 2V

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Compact Filter

Opakfil Green

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Compact Filter

Opakfil CC

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Compact Filter

Durafil® ES

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Compact Filter

Durafil® ESB

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High Efficiency Panel

OpakAir

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High Efficiency Panel

Airopac® 3GGM

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Summary Bag and Compact Filters, Class F5 to F9



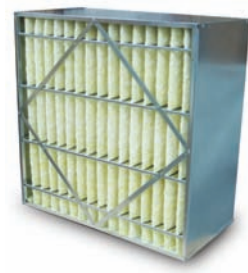
High Efficiency Panel
Airopac® 3GGMHF
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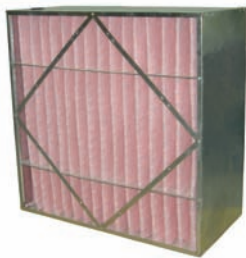
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Pleated Compact Filter
3HCP8 Aeropac
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Summary HEPA / ULPA Filters, Class E10 to U17



Filters for High Efficiency

Micretain MDE11/MXE11/
GGE11/TRS11

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Filters for High Efficiency

Micretain MDS11/MXS11/
GGS11/TRS11

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Filters for High Efficiency

Absolute MDE13/MXE13/
GGE13/TRS13

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Filters for High Efficiency

Absolute MDS13/MXS13/
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Filters for High Efficiency

MegaFlo

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Filters for High Efficiency

Opakfil G Micretain - E10

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Filters for High Efficiency

Opakfil Absolute H13

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Filters for High Efficiency

Sofilair - E11, H13, H14

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Filters for High Efficiency

Sofilair Green
- E10, E12, H13, H14

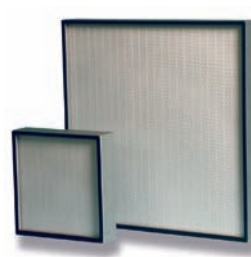
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Filters for High Efficiency

Megalam MD, MX, MG

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HEPA/ULPA Panels

Megalam MD - H13 to U15

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HEPA/ULPA Panels

Megalam MX/MG - H14 to U15

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HEPA/ULPA Panels

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

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HEPA/ULPA Panels

Silent Hood HD - H13 to U15

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HEPA/ULPA Panels

Silent Hood HL - H13 to U15

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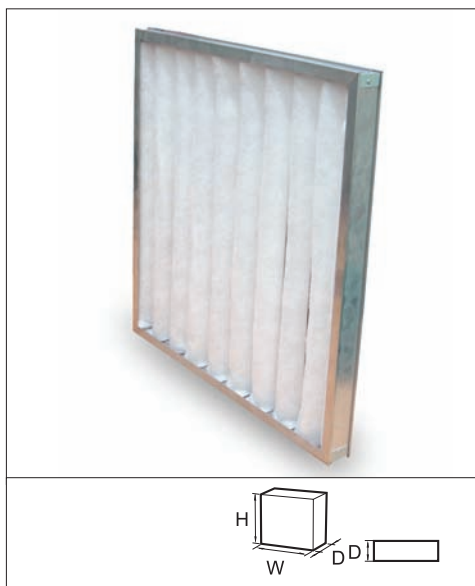


HEPA/ULPA Panels

CPXRG - H13

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Media Holding Frame (MHF)



Advantages

- Suitable for high humidity conditions
- Progressively built-up thermal bonded polyester fibre
- Replaceable filter media

Application: Prefiltration of dust and dirt on air handling units.

Type: Nonwoven media, pleated with a wire support grid.

Frame: Mill-finished aluminium profile.

Media: Polyester fibre.

EN 779:2002 filter class: G3, G4.

ASHRAE 52.2:2007 filter class: MERV 6, MERV 7.

Recommended final pressure drop: 250 Pa.

Temperature: 80°C - 100°C.

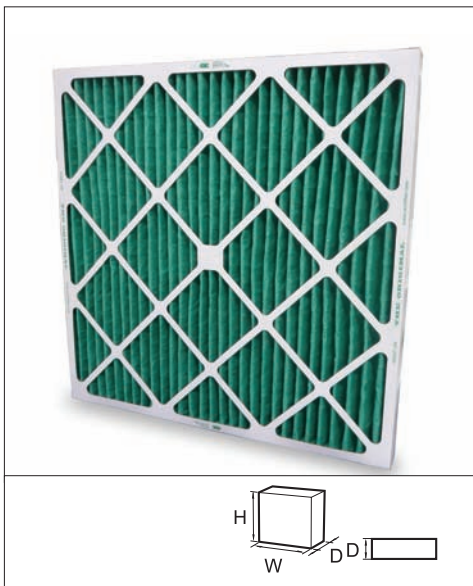
Holding frames: Front and side access housings and frames are available, Type 8 and FC Housings.

Fire rating: DIN 53438 class F1.

Reference	Model	Dimensions (WxHxD) mm	Filter Classification EN 779:2002	Media Area m ²	Airflow / pressure drop m ³ / hr / Pa	Unit Weight kg	Unit Volume m ³
5402501	MHF 24x24x2-G3	594 x 594 x 46	G3	0.57	3400/103	1.35	0.018
5402502	MHF 12x24x2-G3	289 x 594 x 46	G3	0.3	1700/149	0.77	0.009
5402001	MHF 24x24x2-G4	594 x 594 x 46	G4	0.57	3400/113	1.35	0.018
5402002	MHF 12x24x2-G4	289 x 594 x 46	G4	0.3	1700/161	0.77	0.009

Pleated Panel Filters

30/30®



Advantages

- High mechanical strength
- Fully supported media bonded onto a wire support grid
- Rigid, water resistant cardboard frame
- Large media surface
- Media bonded into frame to eliminate air bypass
- Unique radial pleat design

Application: Primary filter for air conditioning systems.

Type: High performance disposable pleated panel filter.

Frame: Rigid water resistant cardboard.

Media: Mixture of cotton and synthetic fibre.

EN 779:2002 filter class: G4.

ASHRAE 52.2:2007 filter class: MERV 8.

Recommended final pressure drop: 250 Pa.

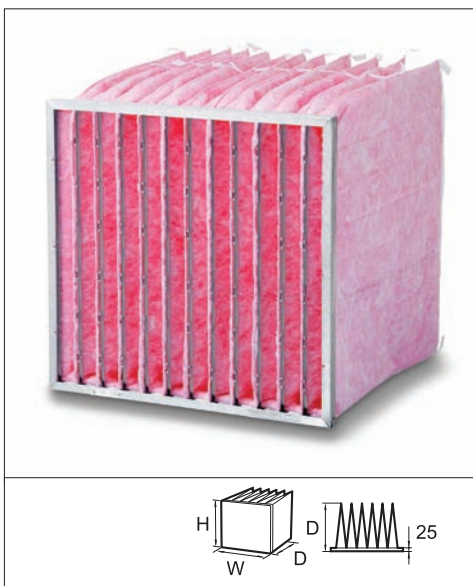
Temperature: 70°C maximum in continuous service.

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

Fire rating: UL 900.

Reference	Model	Dimensions (WxHxD) mm	Filter Classification EN 779:2002	Media area m ²	Airflow / pressure drop m ³ / hr / Pa	Unit Weight kg	Unit Volume m ³
54862001	30/30 2 20x16x1	394 x 495 x 22	G4	0.50	1326/58	0.3	0.006
54862002	30/30 2 20x20x1	495 x 495 x 22	G4	0.61	1649/58	0.4	0.007
54862003	30/30 2 25x20x1	495 x 622 x 22	G4	0.74	2066/58	0.55	0.008
54862004	30/30 2 25x16x1	394 x 622 x 22	G4	0.62	1649/58	0.42	0.007
54862005	30/30 2 24x24x1	594 x 594 x 22	G4	0.91	2380/58	0.6	0.010
54862010	30/30 2 24x12x1	289 x 594 x 22	G4	0.46	1190/58	0.3	0.005
54862011	30/30 2 24x20x1	495 x 597 x 22	G4	0.74	1981/58	0.53	0.008
49880001	30/30 2 20x16x2	394 x 495 x 44	G4	0.92	1870/78	0.44	0.011
49880002	30/30 2 20x20x2	495 x 495 x 44	G4	1.11	2363/78	0.55	0.013
49880003	30/30 2 25x20x2	495 x 622 x 44	G4	1.39	2958/78	0.7	0.017
49880004	30/30 2 25x16x2	394 x 622 x 44	G4	1.15	2363/78	0.55	0.014
49880005	30/30 2 24x24x2	594 x 594 x 44	G4	1.61	3400/78	0.78	0.019
49880006	30/30 2 24x12x2	289 x 594 x 44	G4	0.78	1700/78	0.4	0.010
49880009	30/30 2 20x14x2	343 x 495 x 44	G4	0.77	1658/78	0.25	0.010
49880012	30/30 2 24x20x2	495 x 594 x 44	G4	1.33	2839/78	0.45	0.016
49880015	30/30 2 24x18x2	444 x 594 x 44	G4	1.21	2550/78	0.45	0.014
49880017	30/30 2 24x16x2	394 x 594 x 44	G4	1.10	2270/78	0.55	0.014
59413001	30/30 2 24x24x4	594 x 594 x 95	G4	2.58	3400/68	1.45	0.039
59413002	30/30 2 24x12x4	289 x 594 x 95	G4	1.29	1700/68	0.6	0.019
59413003	30/30 2 20x20x4	492 x 492 x 95	G4	1.76	2363/68	0.3	0.027
59413004	30/30 2 20x16x4	390 x 492 x 95	G4	1.46	1870/68	0.25	0.022
59413005	30/30 2 25x16x4	390 x 619 x 95	G4	1.83	2363/68	0.25	0.027
59413006	30/30 2 25x20x4	492 x 619 x 95	G4	2.19	2958/68	0.45	0.033
59413008	30/30 2 24x20x4	492 x 594 x 95	G4	2.11	2839/68	0.45	0.031
59413010	30/30 2 25x25x4	619 x 619 x 95	G4	2.79	3689/68	0.5	0.044

Hi-Flo® M-Series



Advantages

- Large surface area
- Saves energy - optimised design (LCC)
- Comprehensive range of standard sizes
- Controlled media spacing (CMS)
- Certified performance

Application: Air conditioning applications.

Type: Extended surface multi pocket bag filter.

Frame: Galvanised steel.

Media: Glass Fibre.

EN 779:2002 filter class: F6, F7, F8, F9.

ASHRAE 52.2:2007 filter class: MERV 11, MERV 13, MERV 14, MERV 15.

Recommended final pressure drop: 450 Pa (suggested economical change point 250 Pa).

Temperature: 70°C maximum in continuous service.

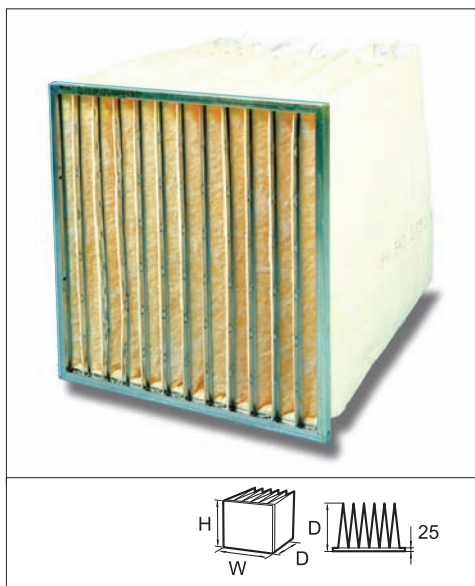
Holding frames: Front and side access housings and frames are available, Type 8 and FC Housings.

Fire rating: UL 900.

Reference	Model	Dimensions (WxHxD) mm	Filter Classification EN 779:2002	Number of pockets	Media Area m ²	Airflow / pressure drop m ³ / hr / Pa	Unit Weight kg	Unit Volume m ³
3100001	M6	592 x 592 x 635	F6	12	9	3400/65	3.30	0.05
3100002	N6	490 x 592 x 635	F6	10	7.4	2800/65	3.00	0.03
3100003	O6	287 x 592 x 635	F6	6	4.6	1700/65	2.00	0.05
3100029	M7	592 x 592 x 635	F7	12	9	3400/85	3.30	0.05
3100030	N7	490 x 592 x 635	F7	10	7.4	2800/85	3.00	0.05
3100031	O7	287 x 592 x 635	F7	6	4.5	1700/85	2.00	0.03
3100057	M8	592 x 592 x 635	F8	12	9	3400/130	3.30	0.05
3100058	N8	490 x 592 x 635	F8	10	7.4	2800/130	3.00	0.05
3100059	O8	287 x 592 x 635	F8	6	4.6	1700/130	1.80	0.03
3105006	M9	592 x 592 x 635	F9	12	9	3400/130	3.30	0.05
3105009	N9	490 x 592 x 635	F9	10	7.4	2800/130	3.00	0.05
3105007	O9	287 x 592 x 635	F9	6	4.6	1700/130	1.80	0.03

* 20mm header frame is available on request.

Hi-Flo® T-Series



Advantages

- Low pressure drop
- Ultra compact
- High dust holding capacity
- Large surface area
- Controlled media spacing (CMS)

Application: Air conditioning applications.

Type: Compact multi-pocket bag filter.

Frame: Galvanised steel.

Media: Glass Fibre.

EN 779:2002 filter class: F6, F7, F8.

ASHRAE 52.2:2007 filter class: MERV 11, MERV 13, MERV 14.

Recommended final pressure drop: 450 Pa (suggested economical change point 250 Pa).

Temperature: 70°C maximum in continuous service.

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

Fire rating: UL 900.

Reference	Model	Dimensions (WxHxD) mm	Filter Classification EN 779:2002	Number of pockets	Media Area m ²	Airflow / pressure drop m ³ / hr / Pa	Unit Weight kg	Unit Volume m ³
3100025	TM6	592 x 592 x 380	F6	12	5.5	3400/90	2.3	0.05
3100026	TN6	490 x 592 x 380	F6	10	4.6	2800/90	2.2	0.05
3100027	TO6	287 x 592 x 380	F6	6	2.7	1700/90	1.4	0.03
3100053	TM7	592 x 592 x 380	F7	12	5.5	3400/130	2.3	0.05
3100054	TN7	490 x 592 x 380	F7	10	4.6	2800/130	2.1	0.05
3100055	TO7	287 x 592 x 380	F7	6	2.7	1700/130	1.4	0.03
3100081	TM8	592 x 592 x 380	F8	12	5.5	3400/205	2.3	0.05
3100082	TN8	490 x 592 x 380	F8	10	4.6	2800/205	2.0	0.05
3100083	TO8	287 x 592 x 380	F8	6	2.7	1700/205	1.4	0.03

* 20mm header frame is available on request.

S-Flo A Series



Advantages

- Multi-pocket bag filter
- Comprehensive range of standard sizes
- Robust metal header frame
- Unique pocket design
- Available in a range of efficiencies

Application: Comfort air conditioning applications, prefilter applications.

Type: Multi pocket bag filter.

Case: Galvanised steel.

Media: Synthetic Fibres.

EN 779:2002 filter class: F5, F6, F7, F8.

ASHRAE 52.2:2007 filter class: MERV 10, MERV 11, MERV 13, MERV 14.

Recommended final pressure drop: 450 Pa (suggested economical change point 250 Pa).

Temperature: 70°C maximum in continuous service.

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

Fire rating: UL 900.

Reference	Model	Dimensions (WxHxD) mm	Filter Classification EN 779:2002	Number of pockets	Media Area m ²	Airflow / pressure drop m ³ / hr / Pa	Unit Weight kg	Unit Volume m ³
3300073	A5	592 x 592 x 600	F5	6	4.5	3400/75	2.4	0.05
3300074	B5	490 x 592 x 600	F5	5	3.6	2800/75	2	0.05
3300075	C5	287 x 592 x 600	F5	3	2.3	1700/75	1.5	0.03
3300017	A6	592 x 592 x 600	F6	6	4.5	3400/100	2.4	0.05
3300018	B6	490 x 592 x 600	F6	5	3.6	2800/100	2	0.05
3300019	C6	287 x 592 x 600	F6	3	2.3	1700/100	1.5	0.03
3300041	A7	592 x 592 x 600	F7	6	4.5	3400/110	2.4	0.05
3300042	B7	490 x 592 x 600	F7	5	3.6	2800/110	2	0.05
3300043	C7	287 x 592 x 600	F7	3	2.3	1700/110	1.5	0.05
3300065	A8	592 x 592 x 600	F8	6	4.7	3400/148	2.4	0.05
3300066	B8	490 x 592 x 600	F8	5	3.6	2800/148	2	0.05
3300067	C8	287 x 592 x 600	F8	3	2.3	1700/148	1.5	0.03

* 20mm header frame is available on request.

Compact Filter

Opakfil CC



Advantages

- Robust construction
- Long operating life
- Light and robust
- Large surface area
- Incinerable
- No metal parts

Application: Air conditioning applications and prefiltration for clean rooms.

Type: High efficiency, incinerable filter.

Frame: ABS.

Media: Glass fibre paper.

Separator: Hot-melt beads.

Sealant: Polyurethane.

EN 779:2002 filter class: F6, F7, F8, F9.

ASHRAE 52.2:2007 filter class: MERV 11, MERV 13, MERV 14, MERV 15.

Recommended final pressure drop: 450 Pa (suggested economical change point 350 Pa).

Temperature: 70°C maximum in continuous service.

Mounting system: Front and side access housing and frames are available, Type 8 and FC Housings.

Fire rating: UL 900.

Reference	Model	Dimensions (WxHxD) mm	Filter Classification EN 779:2002	Media area m ²	Airflow / pressure drop m ³ / hr / Pa	Unit Weight kg	Unit Volume m ³
2410001	3OPCCHF-242412-60	592 x 592 x 290	F6	14.3	3400/92	5	0.13
2410002	3OPCCHF-242012-60	592 x 490 x 290	F6	11.3	2800/95	4	0.13
2410003	3OPCCHF-241212-60	592 x 287 x 290	F6	6.8	1700/92	3	0.06
2410004	3OPCCHF-242412-90	592 x 592 x 290	F7	14.3	3400/96	5	0.13
2410005	3OPCCHF-242012-90	592 x 490 x 290	F7	11.3	2800/99	4	0.13
2410006	3OPCCHF-241212-90	592 x 287 x 290	F7	6.8	1700/96	3	0.06
2410007	3OPCCHF-242412-95	592 x 592 x 290	F8	14.3	3400/116	5	0.13
2410008	3OPCCHF-242012-95	592 x 490 x 290	F8	11.3	2800/119	4	0.13
2410009	3OPCCHF-241212-95	592 x 287 x 290	F8	6.8	1700/136	3	0.06
2410010	3OPCCHF-242412-98	592 x 592 x 290	F9	14.3	3400/160	5	0.13
2410011	3OPCCHF-242012-98	592 x 490 x 290	F9	11.3	2800/165	4	0.13
2410012	3OPCCHF-241212-98	592 x 287 x 290	F9	6.8	1700/180	3	0.06

High Efficiency Panel

EcoPleat Green



Advantages

- Large surface area
- Long operating life
- Ultra compact
- High dust holding capacity
- Less frequent changes

Application: Air conditioning or industrial processing systems and for mini air conditioning systems, individual modules, ventilation equipment.

Type: High efficiency compact filter.

Frame: Plastic frame.

Media: Wet-laid glass fibre paper.

Separator: Hot melt glue.

Sealant: Polyurethane.

EN 779:2002 filter class: F6, F7, F8.

ASHRAE 52.2:2007 filter class: MERV 11, MERV 13, MERV 14.

Recommended final pressure drop: 350 Pa.

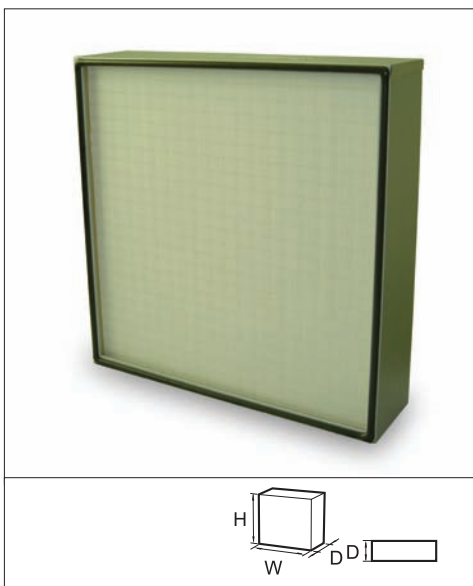
Temperature: 70°C.

Relative humidity: 100% RH.

Reference	Model	Dimensions (WxHxD) mm	Filter Classification EN 779:2002	Media area m²	Airflow / pressure drop m³ / hr / Pa	Unit Weight kg	Unit Volume m³
2715001	3GPPS-12242-F6	287 x 592 x 48	F6	2.9	950/65	2	0.01
2715002	3GPPS-20242-F6	490 x 592 x 48	F6	4.9	1500/65	2.5	0.015
2715003	3GPPS-24242-F6	592 x 592 x 48	F6	5.9	1900/60	3	0.02
2715004	3GPPS-12242-F7	287 x 592 x 48	F7	2.9	950/90	2	0.01
2715005	3GPPS-20242-F7	490 x 592 x 48	F7	4.9	1500/90	2.5	0.015
2715006	3GPPS-24242-F7	592 x 592 x 48	F7	5.9	1900/90	3	0.02
2715007	3GPPS-12242-F8	287 x 592 x 48	F8	2.9	950/120	2	0.01
2715008	3GPPS-20242-F8	490 x 592 x 48	F8	4.9	1500/120	2.5	0.015
2715009	3GPPS-24242-F8	592 x 592 x 48	F8	5.9	1900/110	3	0.02
2714001	3GPPS-12244-F6	287 x 592 x 96	F6	4.8	1700/90	3	0.02
2714002	3GPPS-20244-F6	490 x 592 x 96	F6	9.9	2800/90	3.5	0.03
2714003	3GPPS-24244-F6	592 x 592 x 96	F6	11.9	3400/90	4	0.04
2714004	3GPPS-12244-F7	287 x 592 x 96	F7	5.8	1700/110	3	0.02
2714005	3GPPS-20244-F7	490 x 592 x 96	F7	9.9	2800/110	3.5	0.03
2714006	3GPPS-24244-F7	592 x 592 x 96	F7	11.9	3400/110	4	0.04
2714007	3GPPS-12244-F8	287 x 592 x 96	F8	5.8	1700/150	3	0.02
2714008	3GPPS-20244-F8	490 x 592 x 96	F8	9.9	2800/150	3.5	0.03
2714009	3GPPS-24244-F8	592 x 592 x 96	F8	11.9	3400/150	4	0.04

* Other sizes are available on request

Absolute MDE13/MXE13/GGE13/TRE13



Advantages

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

Application: Very high efficiency final filtration, in air conditioning systems, housing-ducts or diffusers.

Type: Close pleated very high efficiency filter.

Frame: Electro zinc.

Gasket: Endless polyurethane gasket at inlet.

Media: Pleated glass paper.

Separator: Hot melt.

EN 1822:2009 filter class: H13.

MPPS efficiency: $\geq 99.95\%$.

DOP efficiency: $\geq 99.99\%$.

Recommended final pressure drop: 500 Pa.

Maximum flow rate: Nominal flow rate, otherwise reduction in efficiency.

Temperature: 70°C maximum in continuous service.

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

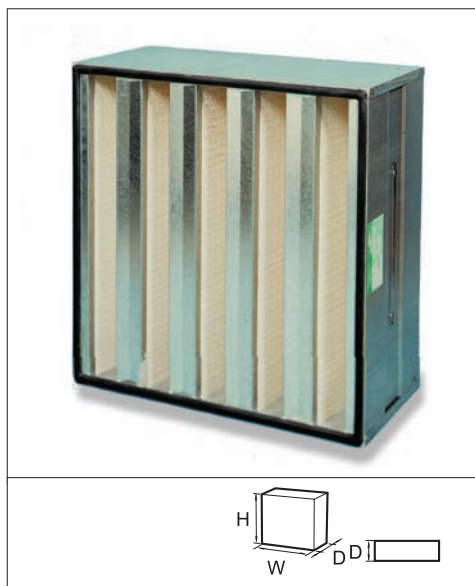
Fire rating: DIN 53438 Class F1.

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
1400001	MDE13-1200-10/00	1219 x 610 x 150	H13	2618/250	19.7	18	0.14
1400002	MDE13-980-10/00	914 x 610 x 150	H13	1958/250	14.7	15	0.11
1400003	MDE13-830-10/00	762 x 610 x 150	H13	1635/250	12.3	13.5	0.09
1400004	MDE13-600-10/00	610 x 610 x 150	H13	1305/250	9.8	12	0.07
1400005	MDE13-500-10/00	575 x 575 x 150	H13	1161/250	8.7	11	0.07
1400006	MDE13-300-10/00	457 x 457 x 150	H13	726/250	5.5	10	0.04
1400007	MDE13-220-10/00	305 x 610 x 150	H13	645/250	4.9	6	0.04
1400008	MDE13-110-10/00	305 x 305 x 150	H13	317/250	2.4	4	0.02
1400051	MXE13-1200-10/00	1219 x 610 x 150	H13	3131/250	27.1	18	0.14
1400052	MXE13-980-10/00	914 x 610 x 150	H13	2348/250	20.1	15	0.11
1400053	MXE13-830-10/00	762 x 610 x 150	H13	1957/250	16.7	13.5	0.09
1400054	MXE13-600-10/00	610 x 610 x 150	H13	1565/250	13.4	12	0.07
1400055	MXE13-500-10/00	575 x 575 x 150	H13	1384/250	12	11	0.07
1400056	MXE13-300-10/00	457 x 457 x 150	H13	867/250	7.4	10	0.04
1400057	MXE13-220-10/00	305 x 610 x 150	H13	773/250	6.6	6	0.04
1400058	MXE13-110-10/00	305 x 305 x 150	H13	380/250	3.2	4	0.02
1400151	GGE13-1250-10/00	762 x 610 x 292	H13	2251/250	19.6	16	0.18
1400152	GGE13-1000-10/00	610 x 610 x 292	H13	1804/250	15.7	12.5	0.13
1400153	GGE13-725-10/00	457 x 610 x 292	H13	1340/250	11.7	9.9	0.13
1400154	GGE13-450-10/00	305 x 610 x 292	H13	893/250	7.8	7	0.07
1400201	TRE13-1250-10/00	762 x 610 x 292	H13	3100/250	29.4	16	0.18
1400202	TRE13-1000-10/00	610 x 610 x 292	H13	2485/250	23.5	12.5	0.13
1400203	TRE13-725-10/00	457 x 610 x 292	H13	1850/250	17.5	9.9	0.13
1400204	TRE13-450-10/00	305 x 610 x 292	H13	1230/250	11.7	7	0.07

* Other sizes are available on request.

Filters for High Efficiency

Sofilair - E11, H13, H14



Advantages

- High air flow rates, up to 5000 m³/hr
- Tested in accordance with EN 1822
- Handle to assist with filter changes
- High filter surface area offers low pressure drop for energy savings and longer life

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: Endless polyurethane gasket.

EN 1822:2009 filter class: E11, H13 and H14.

MPPS efficiency: E11:>95%, H13:>99.95%, H14:> 99.995%.

DOP efficiency: ≥ 99%.

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.

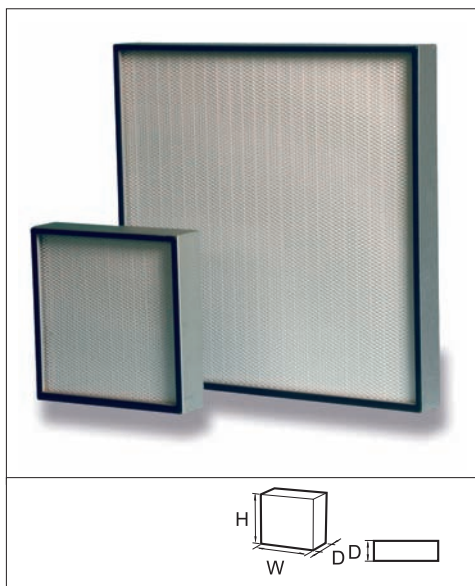
Mounting systems: Front and side access filter frames, FC Housings, terminal housings and safe change systems.

Fire rating: DIN 53438 class F1.

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
1700006	Micretain, 1570.01	610 x 610 x 292	E11	35	5000/250	23	0.11
1700007	Micretain, 1573.02	610 x 610 x 292	E11	21	4000/250	20	0.11
1700008	Micretain, 1575.02	305 x 610 x 292	E11	14	2000/250	14	0.05
1700009	Micretain, 1577.01	595 x 595 x 292	E11	38	4200/250	22	0.11
1700010	Micretain, 1578.01	289 x 595 x 292	E11	16	1700/250	13	0.05
1700001	Absolute, 1560.02	610 x 610 x 292	H13	40	4000/250	23	0.11
1700002	Absolute, 1560.01	610 x 610 x 292	H13	33	3400/250	20	0.11
1700003	Absolute, 1565.01	305 x 610 x 292	H13	16	1700/250	13	0.05
1700004	Absolute, 1567.01	595 x 595 x 292	H13	38	3200/250	22	0.11
1700005	Absolute, 1568.01	289 x 595 x 292	H13	16	1300/250	12	0.05
1700011	HEPA, 1560.02.06	610 x 610 x 292	H14	40	3000/250	23	0.11
1700013	HEPA, 1565.01.02	305 x 610 x 292	H14	16	1500/250	13	0.11
1700016	HEPA, 1560.02.99	610 x 610 x 292	H14	40	3400/250	23	0.11
1700018	HEPA, 1565.01.99	305 x 610 x 292	H14	16	1700/250	13	0.05

* Other sizes, stainless steel or aluminium frames are available on request.

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.

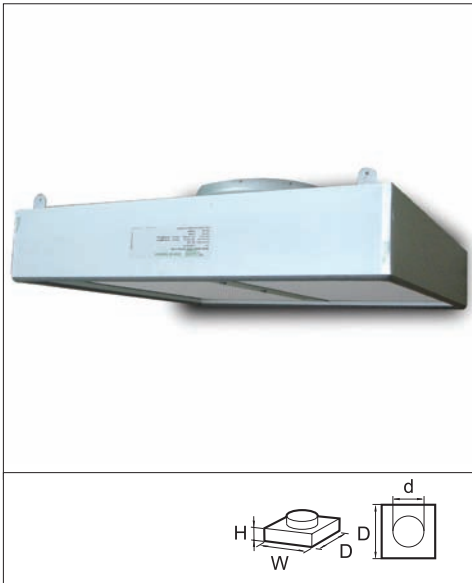
Mounting system: Mechanical clamping structure, Terminal housings.

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	MDL15-914*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.

Silent Hood HD - H13 to U15



Advantages

- Compact filter-diffuser for clean room
- Ready to install
- Low noise
- Test port
- Non-slip collar design
- Laminarity $\pm 20\%$
- Roomside adjustable diffuser disc

Application: Final filtration for clean rooms.

Type: Ready to install HEPA/ULPA filter diffuser.

Frame: Extruded and anodised aluminium, galvanised steel cover.

Gasket: Endless PU.

Media: Glass fibre paper.

Separator: Hot melt beads.

Sealant: Polyurethane.

Terminal: Collar with outer dia. 305 mm (12in) or 210 mm (10in) depending on the model.

Diffuser disc: Perforated aluminium.

Faceguard: Expanded metal on outlet, powder coated 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 scanned in accordance with EN 1822.

Mounting system: Integrated suspension eyes.

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
15300001	MD13-HD10-610*610-01/02	610 x 610 x 110	H13	9.7	603/130	13	0.07
15300002	MD13-HD10-914*610-01/02	914 x 610 x 110	H13	14.6	903/129	16	0.11
15300003	MD13-HD10-1219*610-01/02	1219 x 610 x 110	H13	19.5	1205/129	19	0.15
15300004	MD13-HD10-600*600-01/02	600 x 600 x 110	H13	9.4	583/130	13	0.07
15300005	MD13-HD10-905*600-01/02	905 x 600 x 110	H13	14.2	880/130	16	0.11
15300006	MD13-HD10-1210*600-01/02	1210 x 600 x 110	H13	19.1	1176/129	19	0.15
15300101	MD14-HD10-610*610-01/02	610 x 610 x 110	H14	9.7	603/156	13	0.07
15300102	MD14-HD10-914*610-01/02	914 x 610 x 110	H14	14.6	903/155	16	0.11
15300103	MD14-HD10-1219*610-01/02	1219 x 610 x 110	H14	19.5	1205/155	19	0.15
15300104	MD14-HD10-600*600-01/02	600 x 600 x 110	H14	9.4	583/156	13	0.07
15300105	MD14-HD10-905*600-01/02	905 x 600 x 110	H14	14.2	880/155	16	0.11
15300106	MD14-HD10-1210*600-01/02	1210 x 600 x 110	H14	19.1	1176/155	19	0.15
15300201	MD15-HD10-610*610-01/02	610 x 610 x 110	U15	11.3	603/161	13	0.07
15300202	MD15-HD10-914*610-01/02	914 x 610 x 110	U15	17.1	903/160	16	0.11
15300203	MD15-HD10-1219*610-01/02	1219 x 610 x 110	U15	22.7	1205/160	19	0.15
15300204	MD15-HD10-600*600-01/02	600 x 600 x 110	U15	11	583/160	13	0.07
15300205	MD15-HD10-905*600-01/02	905 x 600 x 110	U15	16.6	880/160	16	0.11
15300206	MD15-HD10-1210*600-01/02	1210 x 600 x 110	U15	22.2	1176/160	19	0.15
15300401	MX14-HD10-610*610-01/02	610 x 610 x 133	H14	13.2	603/111	15	0.09
15300402	MX14-HD10-914*610-01/02	914 x 610 x 133	H14	19.9	903/110	19	0.13
15300403	MX14-HD10-1219*610-01/02	1219 x 610 x 133	H14	26.6	1205/110	22	0.18
15300404	MX14-HD10-600*600-01/02	600 x 600 x 133	H14	12.8	583/110	15	0.09

* Other sizes are available on request.

CityPleat



Advantages

- Compact “2-in-1” solution
- Double action: particle and odour filtration
- Ideal for filtering most low concentration interior and exterior pollutants
- 100% incinerable
- Can be used to upgrade existing installations
- Range of standard sizes

Application: High efficiency particle filtration for deodorisation and removal of gas pollutants, used for filtration in offices, airports.

Type: Prefilter for gas and particles removal.

Frame: Moisture resistant cardboard.

Media: Synthetic fibre and broad spectrum carbon.

EN 779:2002 filter class: G4.

ASHRAE 52.2:2007 filter class: MERV 7.

Recommended temperature: 0 - 40°C.

Recommended relative humidity: 30 - 70%.

Recommended final pressure drop: 250 Pa.

Maximum final pressure drop: 350 Pa.

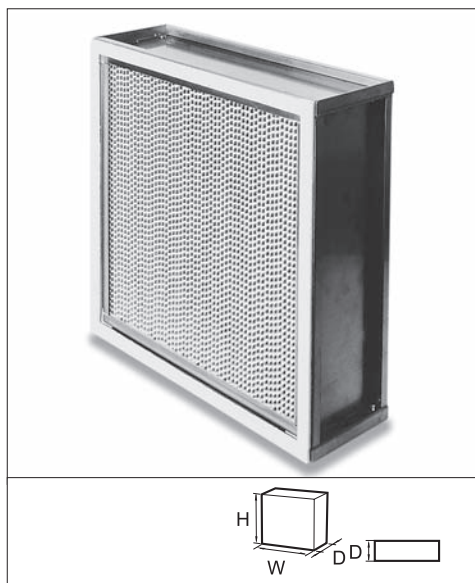
Ozone removal efficiency: 50 - 70% depending on model and air flow.

All values are $\pm 15\%$.

Reference	Model	Dimensions (WxHxD) mm	Particle removal filter class	Average ozone removal efficiency at rated airflow (%)*	Airflow / pressure drop m ³ / hr / Pa	Unit Weight kg	Unit Volume m ³
5103001	CityPleat-100-594x594x44	594 x 594 x 44	G4	55%	1900/135	1.0	0.019
5103007	CityPleat-100-289x594x44	289 x 594 x 44	G4	55%	900/135	0.5	0.010
5103005	CityPleat-200-594x594x44	594 x 594 x 44	G4	55%	3175/135	1.8	0.019
5103004	CityPleat-200-289x594x44	289 x 594 x 44	G4	55%	1500/135	0.9	0.10
5103011	CityPleat-200-594x594x95	594 x 594 x 95	G4	55%	3175/110	2	0.039
5103008	CityPleat-200-289x594x95	289 x 594 x 95	G4	55%	1500/110	1	0.019
5103010	CityPleat-480-594x594x95	594 x 594 x 95	G4	65%	3175/90	3.8	0.039
5103009	CityPleat-480-289x594x95	289 x 594 x 95	G4	65%	1500/90	1.9	0.019

* Full size test in Camfil Farr molecular filtration test rig.

Absolute® 1FRSI



Advantages

- 99.97% DOP
- High temperature resistant (up to 250°C)

Application: Protection of ultra-clean processes at high-temperatures.

Frame: Stainless steel.

Gasket: High temperature silicone.

Media: Glass fibre.

Separator: Aluminium.

Sealant: High temperature silicon.

DOP efficiency: 99.97%.

Temperature: ≤250°C.

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
162610GBC	1FRSI-25-1SIHT	203 x 203 x 78	H13	0.5	50/250	1.3	0.01
162610LBC	1FRSI-50-1SIHT	203 x 203 x 150	H13	0.9	90/250	2.5	0.01
162610QBC	1FRSI-110-1SIHT	305 x 305 x 150	H13	2.4	250/250	3.8	0.02
162610WBC	1FRSI-200-1SIHT	305 x 305 x 292	H13	5.1	410/250	7.5	0.03
162611HBC	1FRSI-300-1SIHT	457 x 457 x 150	H13	5.9	620/250	5.8	0.03
162611WBC	1FRSI-450-1SIHT	305 x 610 x 292	H13	10.4	900/250	10	0.03
162614ABC	1FRSI-600-1SIHT	610 x 610 x 150	H13	10.9	1180/250	7.5	0.06
162616PBC	1FRSI-725-1SIHT	457 x 610 x 292	H13	16.3	1420/250	13	0.05
162617HBC	1FRSI-830-1SIHT	762 x 610 x 150	H13	13.7	1500/250	9	0.07
162618ABC	1FRSI-980-1SIHT	915 x 610 x 150	H13	16.8	1800/250	11	0.08
162618HBC	1FRSI-1000-1SIHT	610 x 610 x 292	H13	22.5	1960/250	15	0.11
162619ABC	1FRSI-1250-1SIHT	762 x 610 x 292	H13	28.4	2500/250	16	0.14
162612ABC	1FRSI-457x457x292-1SIHT	457 x 457 x 292	H13	12.8	1030/250	11	0.06
162615ABC	1FRSI-610x457x150-1SIHT	610 x 457 x 150	H13	8.2	860/250	6.5	0.05
162616ABC	1FRSI-610x762x292-1SIHT	610 x 762 x 292	H13	28.2	2500/250	16	0.14