



Product catalogue 2015



Clean air solutions

Camfil Product Catalogue 2015

OVER 50 YEARS OF CLEAN AIR SOLUTIONS

In 1960, Sweden is about to start its nuclear program. Air filtration specialist Gösta Larson realizes that these new power plants need air filters of better quality than ever before. Using low quality air filters in a nuclear plant can quickly turn into a catastrophe. Gösta convinces the nuclear engineers to start using top quality filters and quickly wins a business contract. In 1963, he builds his first factory in Trosa, Sweden. Camfil is founded. Today, with more than 50 years of experience, Camfil delivers clean air solutions to customers and local markets all over the world. With high quality products, we are contributing to something that is essential to everyone – clean air for health, performance and well-being.

FILTERS FOR EVERY NEED

Comfort

- Comfort Ventilation
- Schools
- Offices
- Museums
- Airports

Clean processes

- Life Science
- Food
- Microelectronics
- Hospitals

Power systems

- Power Generation
- Compressors
- Oil & Gas

Air pollution control

- Mining
- Metal Working
- Life Science/Pharmaceutical

Oral Solid Dosage

- Containment
- Biosafety Labs
- Nuclear
- Chem/Bio Protection
- Healthcare

Industrial

- Warehouses
- Petrochemical
- Foam Industry
- Pulp & Paper

Information

Pre-Filtration: G2 to G4

Comfort Filters: M5 to F9

Clean Process Filters: E10 to U17

Molecular Filtration

Housings and Frames

Air Purifiers

Gas Turbine Filtration

APC and Dust Collectors

Quick Selection Guide

	FILTER GRADE		AIR FILTER SELECTION		
PRIMARY FILTRATION	LOW EFFICIENCY	PRIMARY	EN 779:2012	G2 ≥ 65% G3 ≥ 80% G4 ≥ 90%	
	MEDIUM EFFICIENCY	FINE MEDIUM		M5 ≥ 40% M6 ≥ 60% F7 ≥ 80% F8 ≥ 90% F9 ≥ 95%	
FINAL FILTERS CLEAN ROOM FILTERS	VERY HIGH EFFICIENCY	ULPA HEPA EPA	EN 1822	E10 ≥ 85% H14 ≥ 99,995% E11 ≥ 95% U15 ≥ 99,9995% E12 ≥ 99,5% U16 ≥ 99,99995% H13 ≥ 99,95% U17 ≥ 99,999995%	
MOLECULAR FILTRATION	LOW TO VERY HIGH EFFICIENCY	PRIMARY MEDIUM HIGH EFFICIENCY	ISO 10121	2 IN 1 SOLUTIONS COMPACT FILTERS CYLINDRICAL FILTERS CLEAN ROOM AMC FILTERS	
FILTER HOLDING FRAMES AND CASINGS	LOW EFFICIENCY TO SAFETY PROTECTION	HOUSINGS FRAMES CONTAINMENT SYSTEMS	MODULAR SOLUTIONS	HOLDING FRAMES HOUSINGS TERMINAL FILTER HOUSINGS CONTAINMENT SYSTEMS MODULAR FILTRATION CEILING	

As part of our program for continuous improvement, Camfil reserves the right to change specifications without notice.

Caring for the Environment

“How will your filters help you to reduce the environmental impact of your installations?”

Camfil has been involved in air quality for over 50 years, and has set an example when it comes to the environment. It therefore has an obligation to provide its customers with practical assistance on green issues. With regard to complying with the law on waste disposal, Camfil is with you all the way; in designing products and services, Camfil shares your environmental concerns.

It is now widely acknowledged that air conditioning filters can be considered ordinary industrial waste, whereas filters used in environments containing potentially hazardous products (e.g. return air from clean rooms, spray booths and operating theatres) should be considered special industrial waste and must be disposed of by an approved route using accredited systems.

Please Note - your individual circumstances depend entirely on your processes and we recommend that you approach your usual waste disposal provider, who will be qualified to advise you on the matter.

In order to minimise waste, Camfil pay close attention to the life cycle of the product:

1. We make strenuous efforts to extend the lifespan of our filters and to optimise their performance, which means that you reduce your operating costs, the frequency with which you have to replace the filters and the cost of their disposal.

Just look at the large filter surface used in many of our products and remember large filter area is synonymous with long filter life.

2. We favour the use of recyclable or incinerable materials.
3. We are continually researching effective materials with low pressure loss, a parameter that has a direct influence on the energy consumed during the lifetime of the filter.
4. The Green CAMFIL range ensures that you can dispose of your used filters with less hassle and at lower cost. The use of plastics or cardboard lends itself to the incineration of used filters whilst ensuring compliance with all provisions of environmental law.
5. We minimise the weight of materials used in the construction of our filters which helps reduce the waste mass as far as possible when the filter reaches the end of its life.
6. In our ISO 14001 certified factories, we are phasing out the use of chloride solvents and hazardous products from our processes.



Follow up CFM

Conscious of the increasing importance attached by our customers to waste management, Camfil can support you and take charge of replacing and organising the disposal of certain used filters as part of its CAMFIL FILTER MANAGEMENT (CFM) programme. For more information and to find out whether this service might work for you, please contact us.



Would you like to reduce your energy outgoings?



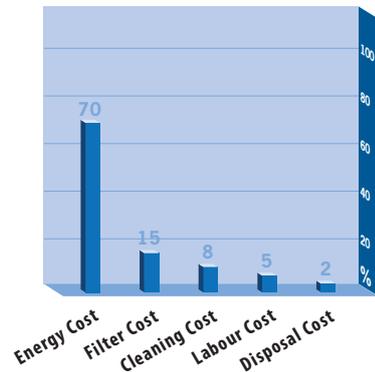
1Pa = 1 euro

A rule of thumb, for a typical installation running for half of the time over one year, is that one additional Pascal in pressure drop adds 1 euro per filter in extra energy cost.

A badly designed filter construction could add 50 Pascal compared to a well engineered filter, even if it claims to have the same efficiency. In other words it adds 50 euros to the annual energy bill, for every filter.

70% of the total cost comes from energy costs

Calculations show that energy normally accounts for 70% of the total cost of the life cycle of an air treatment system. Energy consumption is in direct proportion to the filter's average pressure loss.



Economic optimisation of air filtration

The price of crude oil has more than doubled in recent years and the cost of electricity is rising throughout the world. The World Bank's Energy Group has predicted that total energy consumption is set to rise at the current rate for at least the next 50 years.

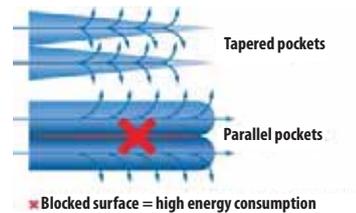
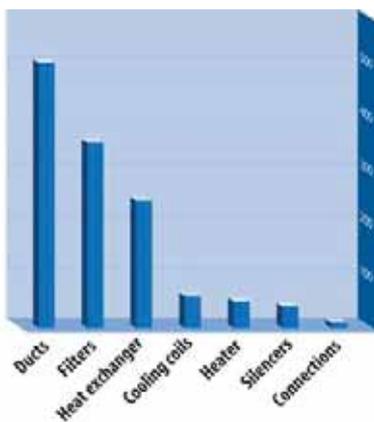
The cost of ventilation

Ventilating buildings, as we know, can be a very expensive business. The average energy cost of filters is around 30% of the total costs of the system. By choosing the right filter, for example the F7 for its efficiency and its very low average pressure loss, energy savings can be made whilst maintaining a high level of IAQ. When you consider that the air filter is the most inexpensive and simplest component to change, savings can be made quickly.

Choosing the right filter saves energy

In order to optimise the lifespan of the filter and to reduce energy consumption, it is important to bear in mind the extent to which their configuration and their structure influence the average pressure loss.

Relative Energy Consumption



Typical pressure loss

Typical pressure loss (Pa) in a ventilation system with 2 stage filtration

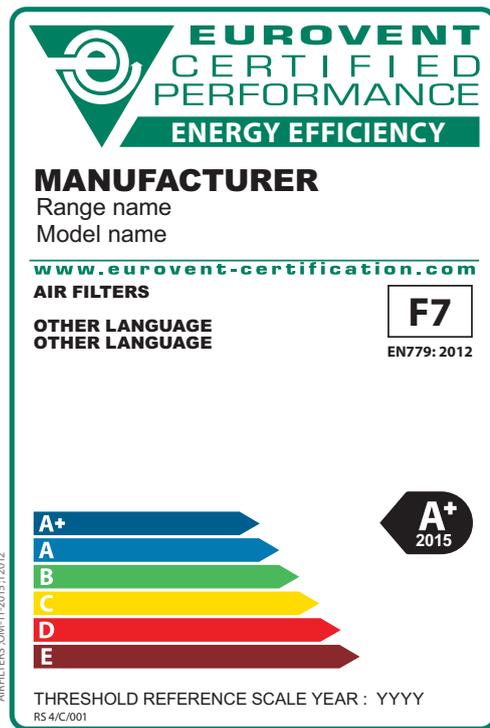
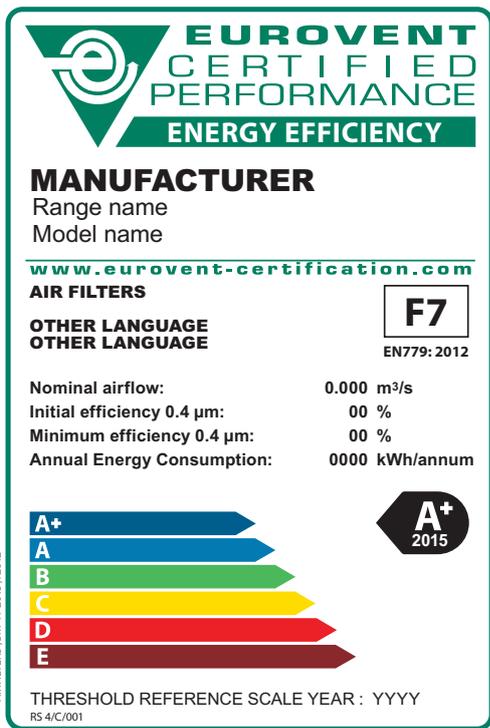
Software aimed at helping select the right filter = optimising energy costs

For over 40 years, Camfil has played a pioneering role in designing filters with low average pressure loss for all efficiency levels for air conditioning and ventilation systems. Camfil was the first filter manufacturer to develop sophisticated software that calculates the overall cost for the complete life cycle of air filters. As part of our continuous improvement, this software has evolved over time and it uses real life data collected from numerous tests in real use conditions. This enables us to calculate the pressure loss of the filter and its actual lifespan, rather than relying on theoretical calculations.

For more information and assistance, please contact your nearest branch of Camfil.

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Energy Efficiency Classification



Eurovent Energy Efficiency label

The new labeling system will be displayed on standard filter boxes. There are two different ways of execution.

1. Full size 592x592, to EN 15805

- Filter class
- Nominal air flow rate, m³/s
- Initial efficiency, % (F7-F9)
- Minimum efficiency, % (F7-F9)
- Annual Energy Consumption, kWh/annum
- Energy class

Certified values are to be find at: www.eurovent-certification.com

Other "family" sizes of standard filters

2. Other "family" sizes of standard filters

- Filter class, according to 592x592
- Energy class, according to 592x592

Width	Height
490	592
287	592
287	287
592	287
592	490
490	490

ATEX

ATEX Directive: Explosive atmospheres

Two important new safety directives have entered into force in Europe. These new regulations come under the title of ATEX Directives and apply to manufacturers, suppliers and users of equipment intended for use in potentially explosive atmospheres (dangerous areas). An explosive atmosphere is defined as a mixture with air, under atmospheric conditions, of hazardous substances in the form of gases, vapours, mists or dusts in which, after ignition has occurred, combustion spreads to the entire unburned mixture. The 99/92/EC (ATEX 137) Directive, known as the 'User Directive' requires employers to protect their employees from the risks posed by explosive atmospheres. The 94/9/EC (ATEX 95 or ATEX 100A) Directive on 'Equipment and protective systems intended for use in potentially explosive atmospheres' covers electrical and non-electrical products intended for use in hazardous places (gases, vapours, mists). Conformity with the ATEX Directives has

been a legal requirement in all EU Member States since 1 July 2003. In biopharmaceutical applications, some procedures must use ATEX-classified filters in certain places (please see table). Camfil in Europe has developed HEPA filters and ATEX accredited housings for use in biopharmaceutical installations in order to prevent electrostatic dangers caused by gas or dust in an ATEX area. Camfil has developed specific versions of ATEX for most filters and housings used in biopharmaceutical installations in order to prevent electrostatic dangers caused by gas or dust in an ATEX area. Camfil's ATEX solutions are entirely certified in accordance with the requirements of the ATEX Directives with the appropriate EX marking, the ATEX conformity statement and the instructions for use.

Key to the table:

Definition of ATEX areas and corresponding product categories.
Definitions of areas

Gas	Dust Areas	Definitions	Category ATEX	Typical suitability of place
0	20	Place where an explosive atmosphere is permanently present	1G	Equipment adapted to 0 areas
			1D	Equipment adapted to 20 areas
1	21	Place where an explosive atmosphere is probable occasionally under normal operating conditions	2G	Equipment adapted to 1 areas
			2D	Equipment adapted to 21 areas
2	22	Place where an explosive atmosphere is improbable under normal operating conditions, but, where applicable, only lasts a short time.	3G	Equipment adapted to 2 areas
			3D	Equipment adapted to 22 areas

All Camfil ATEX air filtering solutions

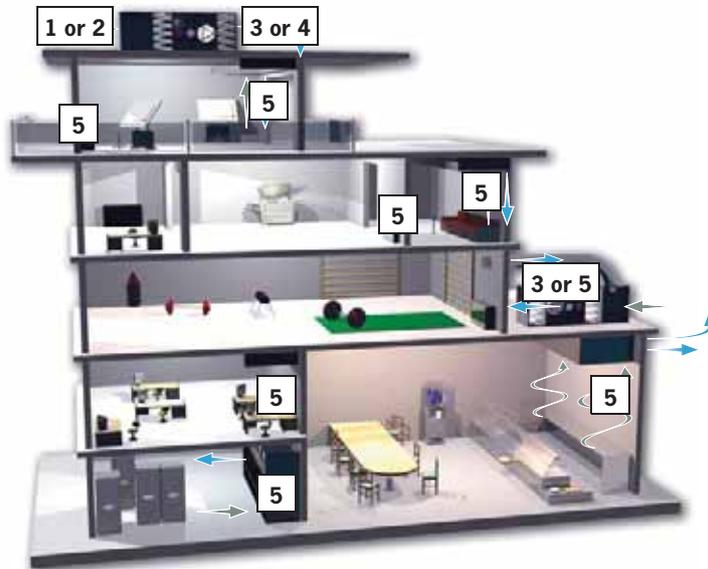
All Camfil ATEX air filtering solutions are certified for use in explosive gas atmospheres (Classes 1 and 2) and explosive dust atmospheres (Classes 21 and 22). They comply with European Standard EN 13463-2001 Annex C Non-electrical equipment for potentially explosive atmospheres, as attested by the conformity statement attached to these products.



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Public buildings

Camfil ventilation filters prevent airborne particles from reducing air flow volumes in HVAC systems. During their lifetime, these filters keep air-handling systems clean so they can perform in accordance with design parameters. These same filters also help safeguard people's wellbeing and health. Camfil's comfort air filters are commonly used in for example office buildings, schools, conference centres, shopping malls.



These recommendations are based upon existing criterion as published by cognizant authorities, or best practice, based upon published data. For your specific application, contact Camfil for a detailed solution for your needs.



1. Hi-Flo



2. Opakfil ES



3. Citycarb



4. City-Flo

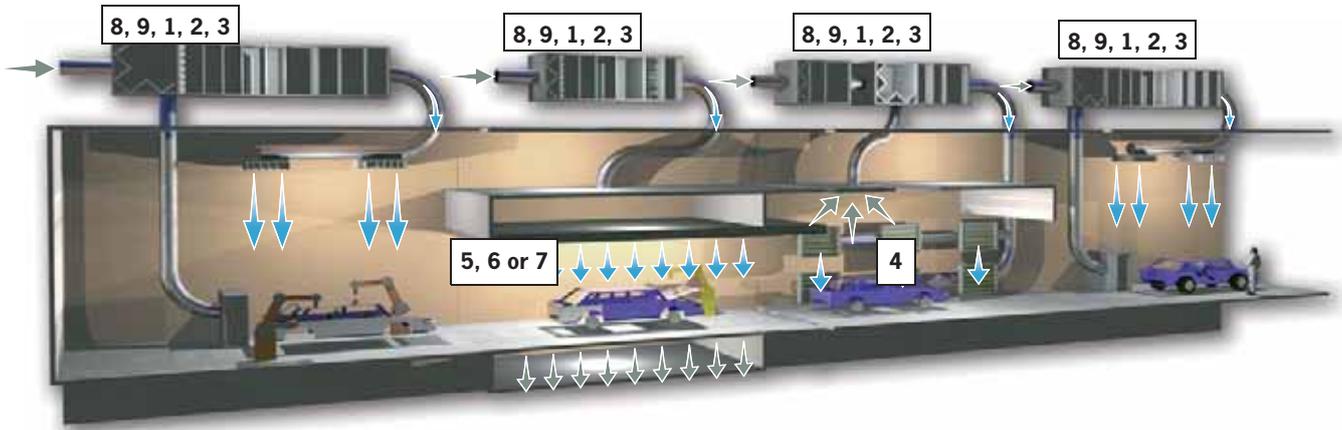


5. EcoPleat

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Automotive

Few industrial applications demand such a clean working environment as paint facilities. Paint spraying facilities require a constant supply of fresh air for hygiene and safety reasons. We currently provide clean air and services to many major automotive plants throughout the world. We provide the best possible cost effective clean air solutions, customized and performance-optimized to meet your demands. Supplied and delivered exactly according to your needs – with Camfil.



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1. Hi-Flo XLT



2. Basic-Flo



3. Opakfil ES



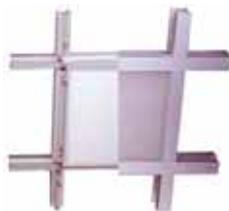
4. Airopac HT/Panolair HT



5. CDM-600



6. Panolair



7. Camgrid SM 20



8. 30/30

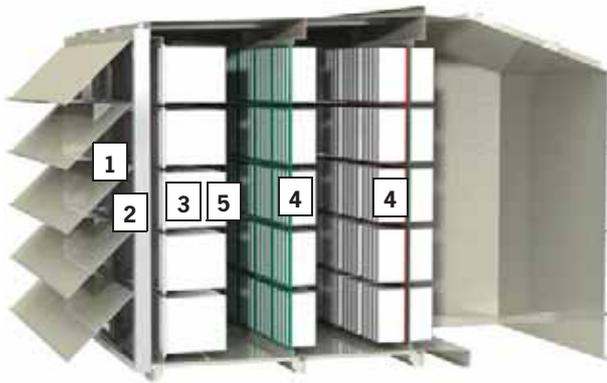


9. Hi-Cap

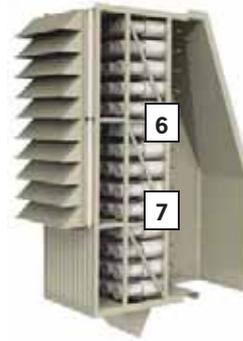
Power Systems

Clean air is vital to all combustion processes. The prime function of an inlet filter system is to protect the gas turbine from pollutants in the air, as particles entering can cause costly damages like erosion, corrosion and fouling. Erosion is a permanent degradation, mainly caused by coarse particles, while corrosion is caused by salt in combination with sulphur, and high temperatures. Smaller particles cause fouling of turbine blades, and thus affecting performance negatively. A secondary effect is an increase in temperatures, as heat transfer effectiveness is reduced, and ultimately the life of the hot section. Effective capture of particulate and airborne salt is therefore of vital importance for long and efficient operation. If not removed by the inlet system, particles will force operators to more frequently water wash the compressor, either by unnecessary on-line washing or during costly shut downs.

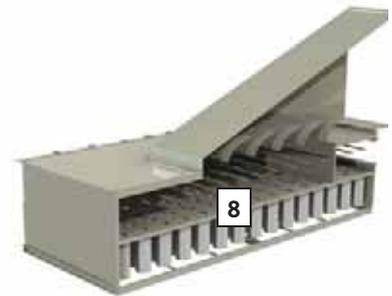
It is also important to understand the complexity of differentiating air filters. Most air filters remain in a system for months or even years. During this time, the filter will experience several environmental variations like changes in temperature, humidity, airflow velocity and particle load. To prevent this, and make sure our filters withstand the severe real life conditions once in operation; all GT filters are being developed and tested both at our own brand new Tech center, or at a third party company. For your best choice and solution, please contact your local Camfil-office for consultation, recommendation and calculation.



Static Filter Systems



Pulse Filter Systems



Tenkay Pulse Filter Systems

These are general recommendations for gas turbine air inlet systems. For consultation and details, please contact your nearest Camfil office.



1. CamVane 100



2. CamClose



3. Cam-Flo XMG/XLGT



4. CamGT



5. Cam-Flo GT / CamCube



6. CamPulse GTC/GTD



7. CamPulse CamBrane

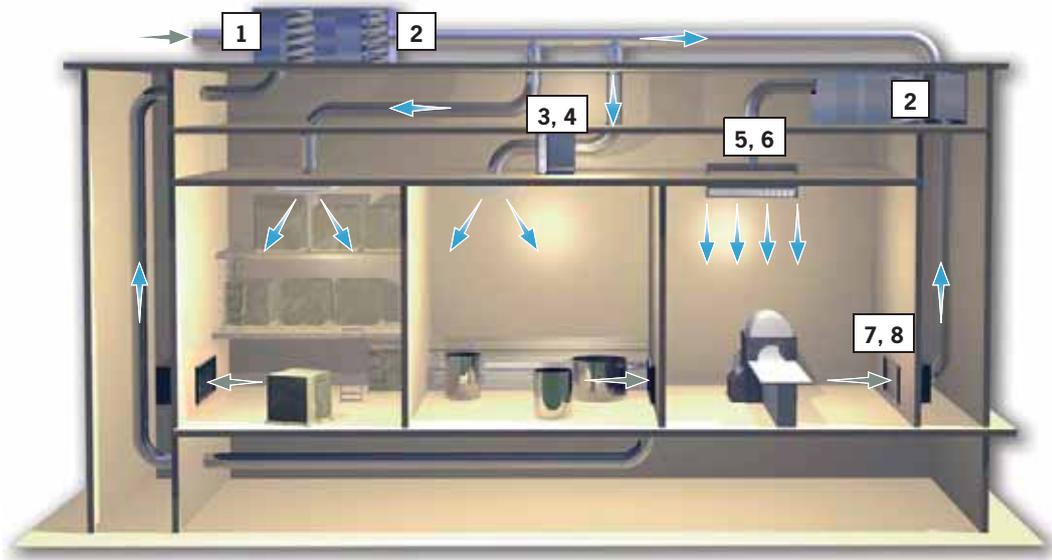


8. Tenkay

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Food and beverage

Beverages protecting human health is a major concern for governments throughout the world. In France, for instance, the National Agency for Food Health and Safety (AFSSAL) can recommend to the authorities that the requisite health policy measures be taken. To prevent the air conditioning system from becoming a microbe nest, temperature and humidity must be controlled and accumulated organic matter removed, as clogged exchangers provide good support for the development of microorganisms. Talk with the experts in Clean air solutions – Camfil.



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1. Opakfil ES



2. Cam GT



3. Absolute VG



4. FCBL Class C



5. CamSeal



6. Megalam ME



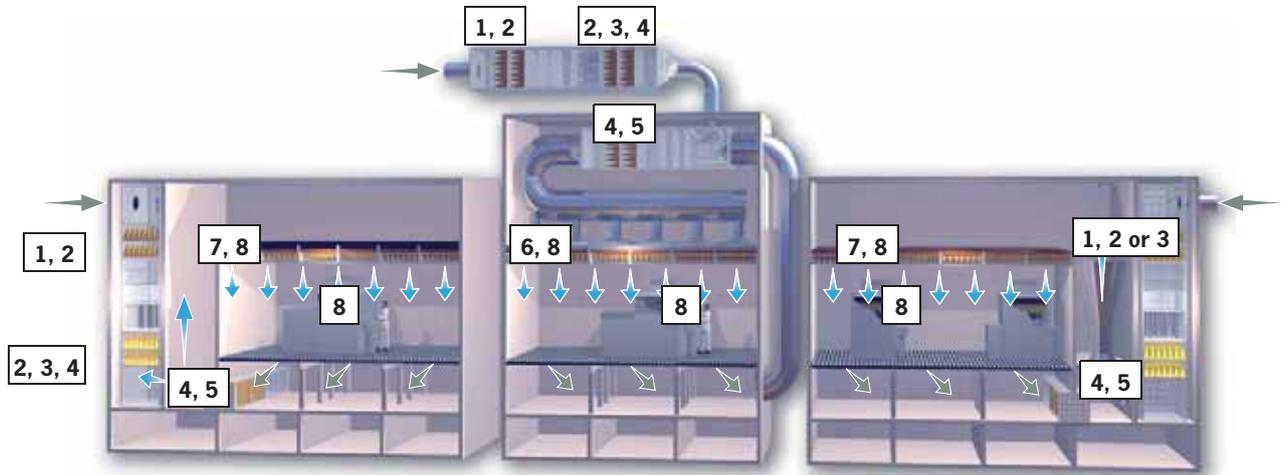
7. Sofdistri Reprise



8. Ecopleat

Microelectronics

Advanced production methods often require very clean air, and in many cases these requirements are certain to increase. Camfil is recognized as the leading supplier of high efficiency filtration products for the microelectronics industry. HEPA/ULPA filters are produced within controlled environments in our ISO 9000-certified plants. Our large production capacity ensures the availability of our products at all times throughout the world.



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1. Hi-Flo F7/F8



2. Opakfil ES



3. Camcarb



4. Absolute V



5. Gigapleat



6. Silent Hood



7. Megalam MX MG



8. Gigapleat NXPP

Summary Pre-Filtration: G3 to G4



Pleated Filters
30/30
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Pleated Filters
AeroPleat Eco, Green & Metal
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Pad Filters
Pad Holding Frame
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Metal Panels
airMet Special Filter
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Metal Panels
airMet Double Filter
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Metal Panels
airMet Metal Filter
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Metal Panels
CamVane 100
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Media Rolls
Media Rolls
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Fan Coil Filters
Fan Coil Filters
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Primary Bag Filters
Hi-Cap
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Primary Bag Filters
Hi-Cap XLS
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airMet Special Filter



Advantages

- Can be made in all sizes
- Filter shape for all applications
- Made in different material (Galvanized, Copper, nylon, stainless steel, acid stainless)
- Special customized filter with high precision
- Press formed filter
- A lot of different applications

Camfil Svenska AB sale in whole Europe and is the market leader in Sweden. Our experience within metal filter, knitting wire and there applications give us an international perspective with large opportunities.

Special metal filter can be made in all customized sizes with high precision. We can help you to define, the size, the thickness and the material. We can test in our laboratory the skills of specific filter (pressure drop, separation efficiency...etc).

We offer skills, technology and short delivery time.

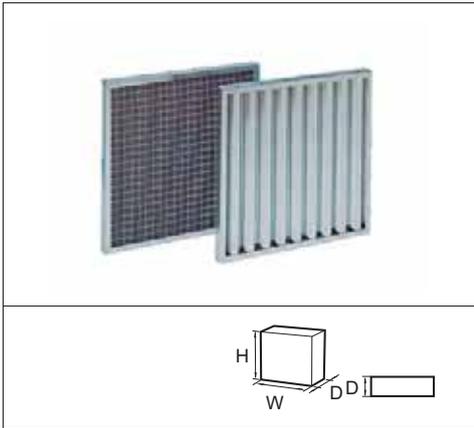
Call 0046 381 551 380 or e-mail osterbymo@camfil.se

Applications:

- Pre filters, Thick particles filters
- Stream water separator
- Vibration absorber
- Oil/ grease separator
- Gas exhaust filter for small motors
- Electromagnetism immunity gaskets
- etc...

As part of our program for continuous improvement, Camfil reserves the right to change specifications without notice.

airMet Double Filter



Advantages

- The fat is arrested in two stages in the filter
- The air passes through the labyrinth strips and is cooled
- The fat condenses out and runs down in a channel
- This minimises the risk of clogging and excess pressure drop
- The air then passes through a knitted stainless steel filter
- Any residual fat is trapped
- The filter is fitted with two strong handles

Applications: Double filter with Flame Guard and knitting mesh for restaurants and the catering industry is manufactured completely in stainless material.

Type: Fat condenses on the labyrinth structure and the flame guard also has a final filter of knitted stainless filter medium to deal with any remaining fat.

Frame: polished steel sheet 0.7 mm. AISI 304L

Labyrinth: polished steel sheet 0.7 mm. AISI 304L

Media: Woven stainless steel wire dia. 0,22 mm. AISI 304L

Grating: Stainless steel grid 20x20 mm dia 2mm.

Special size: Call factory 0046 381 551 380 or e-mail osterbymo@camfi.se

Article number	Model Name	Size
MF31022	Double Filter	395x195x35 / 400x200x35
MF31021	Double Filter	395x395x35 / 400x400x35
MF31020	Double Filter	445x395x35 / 450x400x35
MF31006	Double Filter	495x245x35 / 500x250x35
MF31007	Double Filter	495x495x35 / 500x500x35

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CamVane 100



Advantages

- Air velocities between 1,0 to 5,0 m/s
- Low noise level
- Very low pressure drop
- Weather resistant material
- Separation efficiency up to 100 % rain
- Minimal risk of freezing

Application: Intake grille which is a very efficient for rainprotection. It is used in all filter installations where the water, rain and moisture problems occur, such as in marine environments, coastal areas, the rivers and inland.

Type: CamVane has specially-shaped aluminium profiles which generate turbulence in the air-flow.

Frame: Aluminium EN-AW-5754

Profiles: Aluminium EN-AW-6060

Air velocities: 1.0 - 5.0 m/s in the duct system

Size: Supplied with any dimensions up to 2500 x 2500 mm

Deep: Standard 100 mm

Drainage: Supplied with drain at the bottom.

Mounting: Mounting flange or fastening ears to customer specifications.

Specifications	CamVane 185
Air velocity (m/s)	1,0 - 5,0
Size WxH (mm)	Up to 2500 x 2500
Deep D (mm)	100
Optional extras:	<ul style="list-style-type: none"> • Protective grating for CamVane 100 is delivered afterwards • Installation flanges on the front or rear of the CamVane
Order example	x CamVane 100 (w x h) 600 x 600 mm x Protective grating (W x h) 600 x 600 mm
Weight (kg/m ²)	Approx. 35
Efficiency of droplet separator	cc 25 mm: 20 µm at 3,0 m/s
Tested by VTT in Finland to EN 13030:2001. Determining the sound power level, pressure and flow from one out grilles to ISO 5135 (SP Report P906282 rev).	



Pleated Compact Filters
Airopac
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Pleated Compact Filters
Airopac High Temp
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Product range ProSafe
Hi-Flo ProSafe
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Product range ProSafe
Opakfil ProSafe
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Product range ProSafe
Hi-Cap ProSafe
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Bag Filters

Model Name	Filter class	Width	Height	Depth	Airflow m ³ /h	Pressure drop	Bags	Area m ²	Volume m ³	Weight kg	Initial eff. %	ME %*	Energy consumption kWh/y**	Energy class***
UH7/370	F7	287	592	370	1700	150	4	1,8	0,035	1,5				D
UF7 63/370	F7	592	287	370	1700	150	8	1,8	0,035	1,5				D
UF7 65/370	F7	592	490	370	2800	150	8	2,7	0,05	2,1				D
UH7 33/370	F7	287	287	370	800	150	4	0,9	0,02	0,8				D

* ME%: Minimum efficiency ref. to EN779:2012
 ** Energy Consumption, kWh/year: Calculated according to Eurovent Guideline 4/21-2014
 *** Energy class: according to Eurovent RS 4/C/001-2015

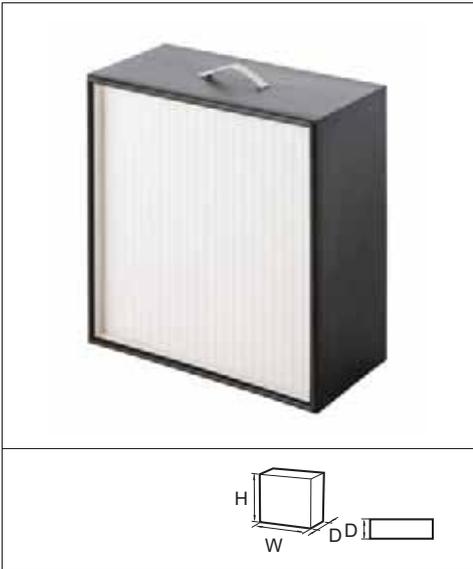


Filter for High Temperature
Absolute™ 1FRKV
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Filter for High Temperature
Absolute™ 1FRSI
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Absolute™ DG



Advantages

- Rated airflow capacity of up to 3400 m³/h 610x610 (H13)
- Halogen free
- Low outgassing
- Flexible in the dimensions
- Lightweight and installation friendly
- VDI 6022
- Scannable

Application: HEPA-Filter for high air flows

Type: HEPA-Filter

Frame: ABS plastic with handle

Gasket: Half round continuous expanded polyurethane

Media: Glass fibre

Separators: Hot melt beads

Sealant: Polyurethane (2-K-sealant)

Recommended final pressure drop: 500 Pa / max. 1000 Pa

Efficiency acc. EN 1822: H13, H14

MPPS efficiency: ≥ 99,95%; 99,995% at MPPS

Temperature / Humidity: 70°C / 100% RH

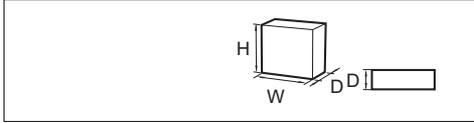
Remarks: All filters scan tested acc. EN 1822:2009



Model Name	Filter class	Width	Height	Depth	Air flow m ³ /h	Pressure drop	Volume m ³	Weight kg	Media m ²
DG13-305x610x292-P-0-I	H13	305	610	292	1600	250	0,06	8,5	19,5
DG13-610x610x292-P-0-I	H13	610	610	292	3400	250	0,12	12	37,75
DG13-762x610x292-P-0-I	H13	762	610	292	4250	250	0,14	15,5	48,41
DG14-305x610x292-P-0-I	H14	305	610	292	1350	290	0,06	8,5	19,5
DG14-610x610x292-P-0-I	H14	610	610	292	3200	290	0,12	12	37,75
DG14-762x610x292-P-0-I	H14	762	610	292	4100	290	0,14	15,5	48,41

Other dimensions on demand
*Pressure drop: +- 15%

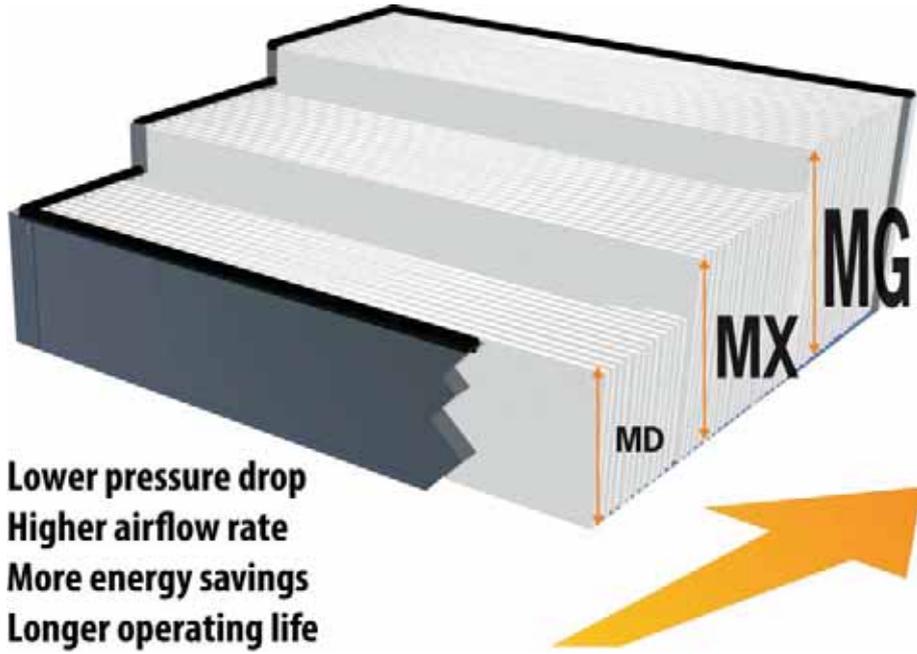
Megalam MD, MX, MG



Advantages

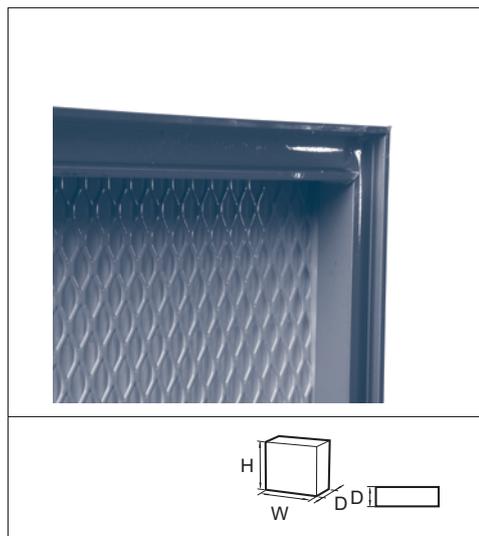
- Less pressure drop
- Quieter
- Higher flow rate
- Longer operating life

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



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Megalam MD14, MX14, MG14-GEL



Advantages

- Compliant to VDI 6022
- Microbial inert components acc. to ISO 846
- Tested for Food Contact acc. to EC 1935:2004
- Free of bisphenol-A, phthalate and formaldehyde
- Chemically resistant to inactivation and cleaning procedures

Application: HEPA filter for clean rooms and LAF benches

Type: HEPA-Filter

Frame: Extruded and anodised aluminum

Gasket: Sil-Gel

Media: Glass fiber

Separators: Hot-melt beads

Sealant: Polyurethane (2-K-sealant)

Grid: Mild steel white (RAL 9010) epoxy paint

Efficiency acc. EN 1822:2009: H14

MPPS Efficiency acc. EN 1822:2009: ≥99,995% at MPPS

Recommended final pressure drop: 2x initial pressure drop

Maximum pressure drop: MD: 500 Pa; MX: 600 Pa; MG: 800 Pa

Temperature/Humidity: 70°C / 100% RH

Remarks: Individually scanted acc. EN 1822:2009 with protocol and packed in PE-foil.

Compliant with ProSafe** requirements.



Model Name	Filter Class	Width	Height	Depth	Area m²	Air flow / pressure drop at 0,45 m/s (m³/h / Pa)*	Volume m³
MD14-2G10-305x305x71-GEL	H14	305	305	71	2,4	151 / 160	0,012
MD14-2G10-305x610x71-GEL	H14	305	610	71	4,8	301 / 155	0,023
MD14-2G10-457x457x71-GEL	H14	457	457	71	5,4	338 / 150	0,026
MD14-2G10-610x610x71-GEL	H14	610	610	71	9,7	603 / 140	0,045
MD14-2G10-762x762x71-GEL	H14	762	762	71	15,3	941 / 140	0,072
MD14-2G10-915x915x71-GEL	H14	915	915	71	22,3	1350 / 140	0,089
MD14-2G10-1220x610x71-GEL	H14	1220	610	71	19,6	1205 / 140	0,092
MX14-2G10-305x305x105-GEL	H14	305	305	105	3,2	151 / 125	0,012
MX14-2G10-305x610x105-GEL	H14	305	610	105	6,6	300 / 115	0,023
MX14-2G10-457x457x105-GEL	H14	457	457	105	7,3	338 / 105	0,026
MX14-2G10-610x610x105-GEL	H14	610	610	105	13,2	605 / 95	0,045
MX14-2G10-762x762x105-GEL	H14	762	762	105	20,8	940 / 95	0,072
MX14-2G10-915x915x105-GEL	H14	915	915	105	30,1	1356 / 95	0,178
MX14-2G10-1220x610x105-GEL	H14	1220	610	105	26,7	1206 / 95	0,16
MG14-2G10-305x305x130-GEL	H14	305	305	130	4,2	151 / 80	0,019
MG14-2G10-305x610x130-GEL	H14	305	610	130	8,6	302 / 75	0,037
MG14-2G10-457x457x130-GEL	H14	457	457	130	9,71	340 / 75	0,039
MG14-2G10-610x610x130-GEL	H14	610	610	130	17,5	605 / 65	0,072
MG14-2G10-762x762x130-GEL	H14	762	762	130	27,5	941 / 65	0,178
MG14-2G10-915x915x130-GEL	H14	915	915	130	39,8	1356 / 65	0,178
MG14-2G10-1220x610x130-GEL	H14	1220	610	130	35,28	1206 / 65	0,16

Type -GEL = gasket placed upstream; Type -2G10- = grid placed both sides
 * Pressure drop: ± 10 %
 ** All certificates and further information available on www.camfil.com/prosafe

As part of our program for continuous improvement, Camfil reserves the right to change specifications without notice.

Summary Molecular Filtration



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CityPleat Green
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Compact Filters
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Cylindrical Filters
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Cylindrical Filters
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Cylindrical Filters
CamCarb Mounting Frames
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Loose-Filled Panels
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Vee Cell Modules
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AMC control
GigaPleat XPC/XPX
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AMC control
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AMC control
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Camfil information

Pre-Filtration
Class G2 to G4

Bag and Compact Filters,
Class M5 to F9

HEPA / ULPA Filters,
Class E10 to U17

Molecular Filtration

Filter Frames and Housings

Air Purifiers, Dust collectors
& Gas Turbine Filtration

Application Matrix for Molecular Filtration Product Groups

Increasing Duty →

DUTY	VERY LIGHT	LIGHT	MODERATE	MODERATE	MODERATE	HEAVY	HEAVY	VERY HEAVY
SEGMENT	IAQ	COMFORT	SENSITIVE ENVIRONMENT	CLEAN ROOMS	LIGHT PROCESS	CORROSION CONTROL	INDUSTRIAL EXHAUST	EMERGENCY PROTECTION
EXAMPLE	CITY CENTRE OFFICE	AIRPORT	MUSEUM AND IVF CLINIC	SEMI-CONDUCTOR	SMALL FACTORY	PETROCHEM. PULP & PAPER	WASTE HANDLING	MINE REFUGE
CUSTOMER PROBLEM	NON-SPECIFIC	SPECIFIC	SPECIFIC	SPECIFIC	SPECIFIC	SPECIFIC	VERY SPECIFIC	VERY SPECIFIC
MAKE-UP AIR	CITY FAMILY / CAMCARB	CAMCARB	CAMCARB	CAMCARB / GIGAPLEAT	CAMCARB	PROCARB		PROCARB
RECIRC. (RETURN) AIR	CITY FAMILY	CITY FAMILY	CITY FAMILY / GIGAPLEAT	GIGAPLEAT	CAMCARB	CAMCARB		PROCARB
EXHAUST AIR					CAMCARB		PROCARB	



Molecular Laboratory / Tech Center, Trosa, Sweden

As part of our program for continuous improvement, Camfil reserves the right to change specifications without notice.

CityPleat Green



Advantages

- “2 in 1” filtration solution; particulate and molecular.
- Rapid Adsorption Dynamics (RAD)
- Ozone rating O_z5
- 100% incinerable
- Can be used upgrade existing installations
- Lightweight and clean

Application: Combination filtration to achieve particle pre-filtration and control of low level gaseous pollutants. Typical applications include IAQ improvement in city centre buildings, shopping malls and other public buildings.

Type: Compact filter

Frame: Plastic (ABS)

Media: Media impregnated activated carbon

Separators: Beads of hot-melt

Efficiency EN779:2012: G4

Recommended temperature: 0 to 40 °C

Recommended relative humidity: <70%

Recommended final pressure drop: 250 Pa

Maximum pressure drop: 350 Pa

Average efficiency of ozone: 50%

Size min / max filter: min. 200x200, max. 650x610

Ozone rating: O_z 5

Ozone removal efficiency: 50-60% depending on model and airflow. Values +/- 15%

Model Name	Filter class	Height	Width	Depth	Air flow m ³ /h	Pressure drop	Area m ²	Volume m ³	Weight kg
CPG-200 287x592x48-G4-0	G4	287	592	48	1500	135	0,6	0,01	1,2
CPG-200 592x592x48-G4-0	G4	592	592	48	3175	135	1,2	0,02	2,3
CPG-200 305x610x48-G4-0	G4	305	610	48	1645	135	0,7	0,01	1,3
CPG-200 610x610x48-G4-0	G4	610	610	48	3370	135	1,4	0,02	2,5

CamCarb CG



Avantages

- Leak-free installation ensures maximum possible efficiency
- 360 degree geometry and even air distribution ensures maximum possible lifetime
- Lowest possible Life Cycle Cost (LCC)
- May be filled with a wide range of molecular filtration medias
- Rapid bayonet fitting system and integral dual TPE gaskets
- Totally corrosion resistant
- Reduced weight compared to Metal version
- Modular and flexible assembly

Application: The most reliable molecular filter for high efficiency and long-term control of molecular contaminants in sensitive buildings and process industries.

Type: Cylindrical molecular filter cartridge manufactured from engineering grade resins.

Filtration media: Broad Spectrum activated carbon for control of odours, VOCs and ozone. Various impregnated medias for control of difficult gases e.g. hydrogen sulphide, ammonia, DMS etc.

Temperature: 40°C maximum in continuous service.

Mounting system: Dedicated base plate in 3 standard sizes (see separate page).

Model	Diameter mm	Length mm	Carbon Type*	Rated Airflow m ³ /hr	Pressure loss Pa **	Weight kg	Volume-unpacked m ³
1300	148	240	CEX003	1250	65	1.5	0.005
2600	148	452	CEX003	2500	100	2.7	0.01
3500	148	595	CEX003	3400	150	3.7	0.13

* Broad Spectrum carbon, 3 mm pellet size

** At rated flow

CamCarb CG filters are filled with high quality activated carbon or CamPure media and are used for high efficiency removal of molecular contaminants from supply air, recirculation air and exhaust air ventilation systems in sensitive building and process applications.

CamCarb CG filters eliminate customer problems with different categories of airborne molecules, including; odours, irritants, toxic gases and corrosives (acidic gases).

The molecular filtration media is deployed in an annular pattern with uninterrupted 360 degree geometry along the entire length of the filter. This arrangement ensures even air distribution over the entire filter area and maximizes filter lifetime.

Filters mount onto a dedicated baseplate using integrated bayonet fastenings without the need for specialized tools. Three standard sizes of the modular baseplate allow the filter installation to be accommodated in any size air handling unit, duct or plenum.

CamCarb CM



Advantages

- Leak-free installation ensures maximum possible efficiency
- 360 degree geometry and even air distribution ensures maximum possible lifetime
- May be re-filled, lowest possible Life Cycle Cost (LCC)
- Rapid bayonet fitting system and integral dual TPE gaskets
- Stainless steel construction
- Modular and flexible assembly

Application: The most reliable molecular filter for high efficiency and long-term control of molecular contaminants in sensitive buildings and process industries.

Type: Cylindrical molecular filter cartridge manufactured from stainless steel.

Filtration media: Broad Spectrum activated carbon for control of odours, VOCs and ozone. Various impregnated medias for control of difficult gases e.g. hydrogen sulphide, ammonia, DMS etc.

Temperature: 40°C maximum in continuous service.

Mounting system: Dedicated base plate in 3 standard sizes (see separate page).

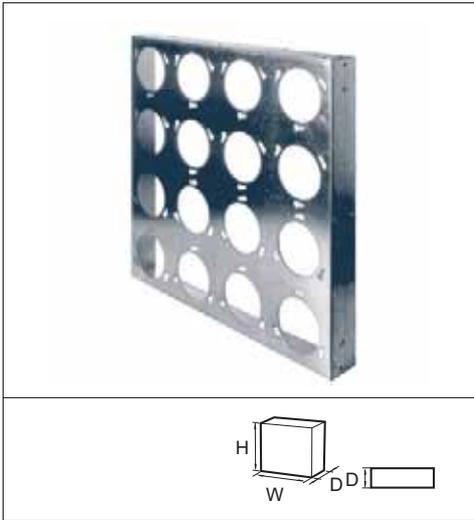
Model	Diameter mm	Length mm	Carbon Type*	Rated Airflow m ³ /hr	Pressure loss Pa **	Weight kg	Volume-unpacked m ³
2600	147	450	CEX003	2500	100	3.9	0.01
3500	147	600	CEX003	3400	150	5.2	0.14

* Broad Spectrum carbon, 3 mm pellet size

** At rated flow

As part of our program for continuous improvement, Camfil reserves the right to change specifications without notice.

CamCarb Mounting Frames (Baseplates)



Advantages

- Modular design adaptable for all types of installations
- Rapid fitting system via bayonet fitting
- Quick and easy service
- Three standard sizes
- Assembly by bolting , rivets, welding

Application: Dedicated mounting frames to ensure leak-free installation of CamCarb molecular filters in AHUs, ducts and plenums.

Applicable filters: CamCarb Metal and CamCarb Green in 2600 and 3500 sizes. (Note always specific filter type when ordering as base plate thickness may vary to accommodate different weights of filters).

Material: Galvanised steel or stainless steel (specify with order)

Model Name	Width	Height	Depth	Cylinder capacity	Indicative Weight kg	Approx. Unit volume m ³
G8	305	610	70	8	5.0	0.02
G12	508	610	70	12	5.7	0.03
G16	610	610	70	16	6	0.04

CamCarb PM



Advantages

- May be filled with any molecular filtration media.
- May be lined with a fine scrim to minimise shedding
- Vibrated fill technique to prevent media settlement
- Standard and non-standard sizes available
- Galvanised steel frame, option for stainless steel
- Plastic frame for certain standard sizes

Application: Adsorption of odours and gases in air conditioning applications.

Type: Loose fill adsorbent panels.

Frame: Galvanised steel.

Media: Campure or activated carbon based materials.

Temperature: 40°C maximum in continuous service.

Recommended relative humidity: 30 - 70%.

Mounting systems: Front and side access housings and frames are available.

Height	Width	Depth	Recommended contact time (s)	Airflow m ³ /hr	Pressure drop Pa	Weight kg	Volume L
600	600	25	0.1	350	30	9.0	
300	600	25	0.1	175	30	4.5	
500	600	25	0.1	300	30	7.5	
600	600	50	0.2	350	60	18.0	
300	600	50	0.2	175	60	9.0	
500	600	50	0.2	300	60	12.5	

Filters are available in a comprehensive range of sizes and depths. Please contact Camfil for more information.

As part of our program for continuous improvement, Camfil reserves the right to change specifications without notice.

CamCarb VG



Advantages

- Replacement items for supply recirculation air systems in industrial process industries.
- May be filled with various molecular filtration medias, depending on the application and contaminant(s)

Description: Heavy duty disposable plastic Vee Cell modules to specifically treat corrosive (acidic) gases from supply air systems in process industry applications.

Mounting: Normally in filter specific side access housings

Media: Modules can be filled with a range of Camfil molecular filtration medias based on impregnated activated carbon or activated alumina to adsorb acidic gas(es).

Temperature range: normally 0⁰ to 50⁰C

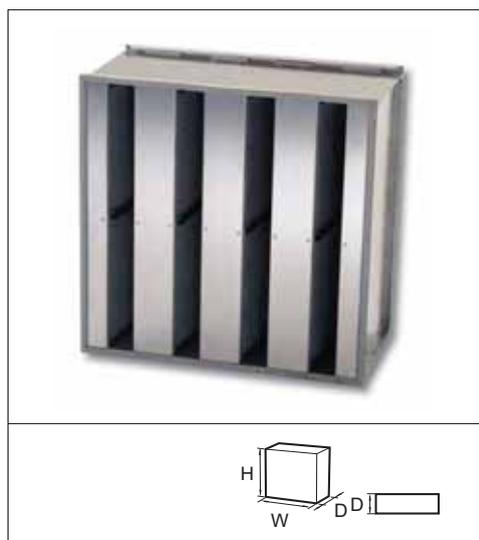
Relative Humidity Range: 30 to 95%, depending on media selection

Recommended face velocity: 0.5 to 1.5 m/s

Typical pressure loss at rated velocity range: 50 to 250 Pa

Model Name	Height	Width	Depth	Media Bed depth mm	Volume L	Weight
300-H	300	300	300	75	13.5	11.4
300-F	600	300	300	75	27.0	22.7
440-F	150	300	440	25	6.6	11.1
440-H	150	600	440	25	13.2	22.2

GigaPleat XPC/XPH



Advantages

- Reduced waste through re-usable housing
- Exchangeable panels
- Up to 2 media types can be combined into the same filter
- Compact solution
- High media cleanliness

Application: Clean room recirculation air and clean room make up air.

Type: Compact filter with exchangeable panels.

Housing: Stainless steel. Removable sheet metal profiles for panel replacement.

Gasket: Position: 01 - downstream, 10 - upstream.

Sealant: Polyurethane.

Configuration XPC: 2 layers of 8 panels / full size housing.

Configuration XPH: 1 layer of 8 panels / full size housing.

Recommended temperature range: 10 - 40°C.

Recommended relative humidity: 30 - 70%.

Particle cleanliness: ISO Class 6.

Outgassing: Individually outgassing tested for VOC emissions on request

Product	Model Name	Material	Width	Height	Depth	Number of panels per layer	Number of panels per housing	Appr. Weight with panels kg	Volume m ³
Box Housing	XPC 610x610x292	Stainless Steel	610	610	292	8	16	28	0,13
Box Housing	XPC 305x610x292	Stainless Steel	305	610	292	4	8	16	0,06
Header Housing	XPH 592x592x292	Stainless Steel	592	592	292	8	8	17	0,13
Header Housing	XPH 287x592x292	Stainless Steel	287	592	292	4	4	9	0,06

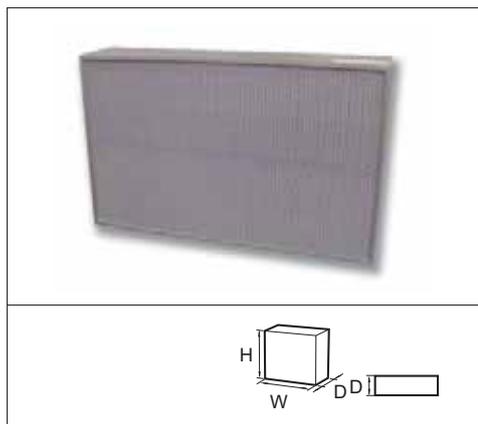
Panel	Fit Housing Width	Fit Housing Height	Fit Housing Depth	Air flow m ³ /h	Pressure drop Pa +-15%
XPC A3	610/305	610	292	2600/1100	95
XPC B2	610/305	610	292	2600/1100	95
XPC C3	610/305	610	292	2600/1100	95
XPC L3	610/305	610	292	2600/1100	95
XPH A3	592/287	592	292	2600/1100	60
XPH B2	592/287	592	292	2600/1100	60
XPH C3	592/287	592	292	2600/1100	60
XPH L3	592/287	592	292	2600/1100	60

AMC removal vs filter model	L3	B2	A3	C3
Acids				YES
Bases		YES	YES	
Condensables (B.Pt > 150 deg. C)	YES		Yes	Yes
Dopants (Organophosphates)	YES		Yes	Yes
Dopants (BF3)				YES
Organics (B.Pt < 150 deg. C)	YES			
Ozone	YES		Yes	Yes

For specific contaminants, please contact Camfil

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GigaPleat NXPP



Advantages

- Extremely low pressure drop
- High media cleanliness
- Individually VOC outgassing tested
- Extremely small form factor
- Wide range of dimensions
- Multiple media types can be combined into the same filter

Application: For clean room ceiling, Fan Filter Units, mini-environment or process equipment.

Type: Panel filter.

Frame: Anodized aluminium.

Available filter depth without knife edge: 66, 90, 110, 150, 172 and 200 mm.

Available filter depth with knife edge: 66 (+38), 90 (+38), 110 (+38), 150 (+15) mm.

Knife: KU facing up, KD facing down.

Sealant: Polyurethane.

Gasket: 01=Downstream gasket, 10=Upstream, 11=2 gaskets.

Faceguard: 02: Downstream faceguard; 20: Upstream faceguard, 22: 2 faceguards.

Recommended temperature range: 10 - 40°C.

Recommended relative humidity: 30 - 70%.

Particle cleanliness: ISO Class 6.

Outgassing: Individually outgassing tested for VOC emissions.

Model Name	Width	Height	Depth	Air flow m ³ /h	Pressure drop Pa +/-15%	Appr. Weight kg	Volume m ³
NXPP A3	610	610	90	535	15	5	0,04
NXPP A3	1220	610	90	1070	15	10	0,04
NXPP B2	610	610	90	535	15	5	0,04
NXPP B2	1220	610	90	1070	15	10	0,04
NXPP C3	610	610	90	535	15	5	0,04
NXPP C3	1220	610	90	1070	15	10	0,04
NXPP L3	610	610	90	535	15	5	0,04
NXPP L3	1220	610	90	1070	15	10	0,04
NXPP B2C3L3	610	610	150	535	50	14	0,06
NXPP B2C3L3	1220	610	150	1070	50	28	0,06

Other dimensions and media combinations available on request. Adapter frames for FFU installation available on request.

AMC removal vs filter model	L3	B2	A3	C3
Acids				YES
Bases		YES	YES	
Condensables (B.Pt > 150 deg. C)	YES		Yes	Yes
Dopants (Organophosphates)	YES		Yes	Yes
Dopants (BF3)				YES
Organics (B.Pt < 150 deg. C)	YES			
Ozone	YES		Yes	Yes

For specific contaminants, please contact Camfil

As part of our program for continuous improvement, Camfil reserves the right to change specifications without notice.



Casings and filters for containment systems
PVC CASE VHE FILTERS 20-30-50 m³/h
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Casings and filters for containment systems
PVC CASE VHE FILTERS 30 m³/h et 50 m³/h
Page 133



Casings and filters for containment systems
METAL CASE VHE FILTERS 30-70 m³/h
Page 134



Casings and filters for containment systems
METAL CASE VHE FILTERS 300 m³/h
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CamHosp
CamHosp-R: Operating theatre recirculation air ceiling
Page 136



Fan filter unit
CamFFU High Performance HP-EC
Page 138



Fan filter unit
CamFFU Compact Solution CS-EC simple control onboard
Page 139



Fan filter unit
CamFFU Integrated Solution IS-EC
Page 140

Absolute Filter Holding Frame



Advantages

- Modular design adaptable for all types of installations
- Location dimples in frame ensure correct filter fitting
- Pre drilled for easy assembly
- Filter holding clips can be easily replaced as required
- CREO Approved

Application: Mounting very high efficiency filters in air conditioning units and systems.

Type: Front access filter holding frame.

Construction: Galvanised steel or stainless steel.

Filter Types: Absolute and Micretain very high efficiency filters.

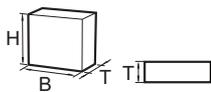
Filter fixing: Using 4 corner mounted clamps.

Model Name	Exterior dimensions (WxHxD) mm	Filter dimension (WxHxD) mm	Unit weight kg	Unit volume m ³
Galvanised steel	626x626x335	610x610x292	12.5	0.13
Galvanised steel	626x321x335	610x305x292	10.0	0.07
Galvanised steel	610x610x335	595x595x292	12.3	0.12
Galvanised steel	610x305x335	595x290x292	9.9	0.06
Stainless steel	626x626x335	610x610x292	12.5	0.13
Stainless steel	626x321x335	610x305x292	10.0	0.07
Stainless steel	610x610x335	595x595x292	12.3	0.12
Stainless steel	610x305x335	595x290x292	9.9	0.06

Other dimensions and arrangements available on request.

As part of our program for continuous improvement, Camfil reserves the right to change specifications without notice.

Universal filter holding frame



Avantages

- Ergonomic
- Rapid installation
- Modular concept for all installations
- Suitable for commercial and industrial applications
- CREO Approved

Application: Mounting frame for Hi-Flo, Hi-Cap and Compact filter.

Frame: Galvanised sheet metal; stainless steel on request

Gasket: Expanded foam; profile gasket or without gasket on request

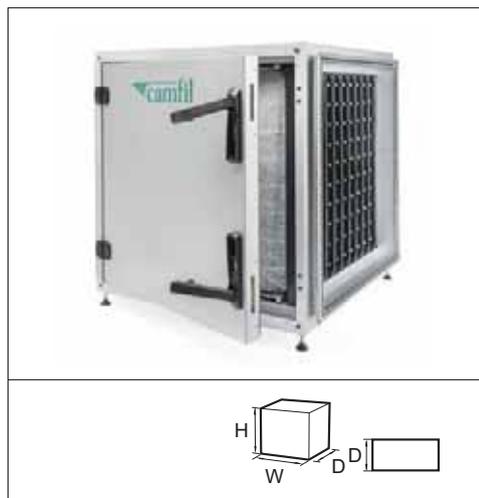
Remarks: Filter fixing using 4 clamps



Model Name	Dimensions WxHxD (mm)	Clamping height(mm)	Volume m ³	Weight kg
4MP	610x610x76	25	0,036	3,00
4NQ	508x610x76	25	0,036	2,85
4OR	305x610x76	25	0,018	2,15
4OR/2	305x305x76	25	0,018	1,60
4MPL	610x910x76	25	0,053	3,80
4NQL	508x910x76	25	0,053	3,70
4ORL	305x910x76	25	0,026	2,90
4MPS	610x610x74	25; 50	0,036	3,00
4NQS	508x610x74	25; 50	0,036	2,85
4ORS	305x610x74	25; 50	0,035	2,15

As part of our program for continuous improvement, Camfil reserves the right to change specifications without notice.

CamCube HF, filter housings for bag filters



Advantages

- Heat and condensation insulated
- Corrosivity class C4
- Leakage class C
- Easy to service
- Short delivery time

Filter housing material: Aluzinc.

Filter: Bag filters such as Hi-Flo XL and City-Flo XL. Compact filters such as Opakfil. See the relevant page in the catalogue for the technical data about filters

Air flow: The recommended air flow in a full module filter (592 x 592 mm) is 3,400 m³/h. See the relevant page in the catalogue for further information about design

Note: Door hinged on the left or right, can be changed on site

Accessories:

Pre-filter mounting rail 50 or 100 mm

Adjustable feet (4 per set)

Hose connectors for pressure drop, supplied separately reference 550901

Hose connectors for pressure drop, factory mounted reference 550900

Locking handles

Flange adaptor

Product description

CamCube HF is a flexible and compact range of filter housings for bag filters and other filter types with a 25 mm frame. Two stage filtration is available as an option with a prefilter mounting rail for panel filters. The housing walls is a sandwich design with 45 mm heat and condensation insulation between, covered with aluzinc sheet metal inside and outside (corrosivity class C4).

The service hatch is hinged mounted. The endless gasket on the inside of the service hatch makes it highly airtight.

The filter housing has a leakage class of C according to EN 15727.

When the service hatch is closed the newly developed clamping device ensures the clamping of the filter.

As standard the casing has M8 threads for mounting the filter housing. The filter housing is supplied with a guide connection and a flange connection is available as an option.

Descriptive text example:

Filter housing: CamCube HF-1010. Supplier, Camfil Svenska AB

Design: Sandwich construction with 45 mm heat and condensation insulation, covered with double aluzinc sheet metal (corrosivity class C4). Leakage class C

Filter: 1 x Cityflo XL-592x592x640 F7

Accessories: One set of adjustable feet. Hose connectors for pressure drop, factory mounted.

Classification:

Leakage class C, according to the EN 15727:2010 standard. Leakage class L1 according to the EN 1886:2007 standard

Mechanical performance: D1 according to the EN 1886:2007 standard

Filterbypass test, highest class according to the EN 1886:2007 standard, up to filter class F9

Filter Housings



M8 threads for mounting

Guide connection as standard

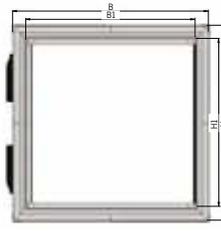


Endless gasket in the service hatch



Newly developed filter clamping

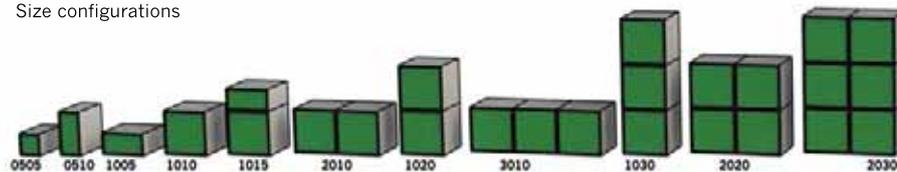
Adjustable feet as an option



Details of CamCube

Model Name	External dimensions (BxH) mm	Connection dimensions (B1xH1) mm	Number of filters 592x592 mm	Number of filters 287x592 mm	Number of filters 592x287 mm	Number of filters 287x287 mm	Weight kg
CamCube HF-0505	392x392	300x300				1	24
CamCube HF-0510	392x692	300x600		1			34
CamCube HF-1005	692x392	600x300			1		34
CamCube HF-1010	692x692	600x600	1				43
CamCube HF-1015	692x992	600x900	1		1		55
CamCube HF-1020	692x1292	600x1200	2				64
CamCube HF-1025	692x1592	600x1500	2		1		76
CamCube HF-1030	692x1892	600x1800	3				85
CamCube HF-1510	992x692	900x600	1	1			53
CamCube HF-1515	992x992	900x900	1	1	1	1	66
CamCube HF-1520	992x1292	900x1200	2	2			76
CamCube HF-1525	992x1592	900x1500	2	2	1	1	89
CamCube HF-1530	992x1892	900x1800	3	3			99
CamCube HF-2010	1292x692	1200x600	2				62
CamCube HF-2015	1292x992	1200x900	2		2		77
CamCube HF-2020	1292x1292	1200x1200	4				86
CamCube HF-2025	1292x1592	1200x1500	4		2		100
CamCube HF-2030	1292x1892	1200x1800	6				109
CamCube HF-2510	1592x692	1500x600	2	1			74
CamCube HF-2515	1592x992	1500x900	2	1	2	1	89
CamCube HF-2520	1592x1292	1500x1200	4	2			98
CamCube HF-2525	1592x1592	1500x1500	3	2		1	113
CamCube HF-2530	1592x1892	1500x1800	6	3			123
CamCube HF-3010	1892x692	1800x600	3				83
CamCube HF-3015	1892x992	1800x900	3		3		99
CamCube HF-3020	1892x1292	1800x1200	6				108
CamCube HF-3025	1892x1592	1800x1500	6		3		124
CamCube HF-3030	1892x1892	1800x1800	9				134

Size configurations



CamCube AC, filter housings for HEPA filters



Advantages

- Heat and condensation insulated
- Corrosivity class C4
- Leakage class C
- Easy to service
- Short deliverytime

Filter housing material: Aluzinc.

Filter: HEPA-filter, Absolute C and Absolute D in size 595x595x292 mm.

See the relevant page in the catalogue for the technical data about filters.

Filter clamping: Suitable for filters, in depth 292 mm.

Note: Door hinged on the left or right. Can be changed on site.

Accessories:

Prefilter mounting rail 50 or 100 mm

Adjustable feet (4 per set) reference 550902

Hose connectors for pressure drop, supplied separately reference 550901

Hose connectors for pressure drop, factory mounted reference 550900

Lockable handles

Flange adaptor

Product description

CamCube AC is a flexible and compact range of filter housings for HEPA filters and other filter types with 292 mm depth.

Two stage filtration is available as an option with a prefilter mounting rail for panel filters.

The cover is a sandwich design with 45 mm heat and condensation insulation between, covered with aluzinc sheet metal inside and outside (corrosivity class C4).

The service hatch is hinged mounted. The endless gasket on the inside of the service hatch, makes it highly airtight.

The filter housing has a leakage class of C according to EN 15727.

When the service hatch is closed the newly developed clamping device ensures the clamping of the filter.

As standard the casing has M8 threads for mounting the filter housing. The filter housing is supplied with a guide connection and a flange connection is available as an option.

Descriptive text example

Filterhousing: CamCube AC-1010. Supplier, Camfil Svenska AB.

Design: Sandwich construction with 45 mm heat and condensation insulation, covered with double aluzinc sheet metal (corrosivity class C4). Leakage class C.

Filter: 1 x Absolute C 595x595x292 mm H13.

Accessories: One set of adjustable feet. Hose connectors for pressure drop, factory mounted.

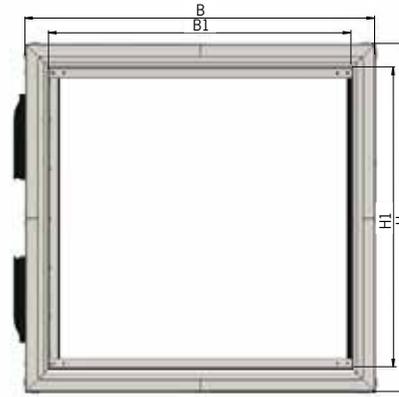
Classification:

Leakage class C, according to the EN 15727:2010 standard.

Leakage class L1 according to the EN 1886:2007 standard.

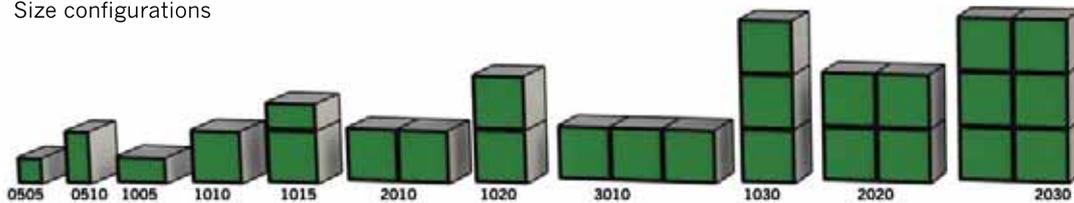
Mechanical performance: D1 according to the EN 1886:2007 standard.

Filter Housings



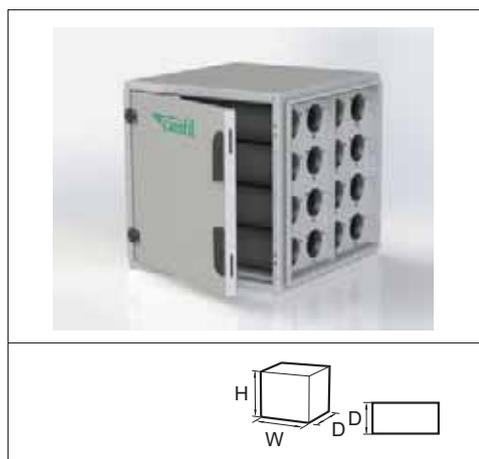
Model Name	External dimensions (BxH) mm	Connection dimensions (B1xH1) mm	Number of filters 595x595mm	Number of filters 297x595mm	Number of filters 595x297mm	Number of filters 297x297mm	Weight kg
CamCube AC-0505	392x392	300x300				1	24
CamCube AC-0510	392x692	300x600		1			34
CamCube AC-1005	692x392	600x300			1		34
CamCube AC-1010	692x692	600x600	1				43
CamCube AC-1015	692x992	600x900	1		1		55
CamCube AC-1020	692x1292	600x1200	2				64
CamCube AC-1025	692x1592	600x1500	2		1		76
CamCube AC-1030	692x1892	600x1800	3				85
CamCube AC-1510	992x692	900x600	1	1			53
CamCube AC-1515	992x992	900x900	1	1	1	1	66
CamCube AC-1520	992x1292	900x1200	2	2			76
CamCube AC-1530	992x1892	900x1800	3	3			99
CamCube AC-2010	1292x692	1200x600	2				62
CamCube AC-2015	1292x992	1200x900	2		2		77
CamCube AC-2020	1292x1292	1200x1200	4				86
CamCube AC-2025	1292x1592	1200x1500	4		2		100
CamCube AC-2030	1292x1892	1200x1800	6				109
CamCube AC-2510	1592x692	1500x600	2	1			74
CamCube AC-2515	1592x992	1500x900	2	1	2	1	89
CamCube AC-2520	1592x1292	1500x1200	4	2			98
CamCube AC-3010	1892x692	1800x600	3				83
CamCube AC-3020	1892x1292	1800x1200	6				108
CamCube AC-3030	1892x1892	1800x1800	9				134

Size configurations



As part of our program for continuous improvement, Camfil reserves the right to change specifications without notice.

CamCube CC, filter housings for cylindrical carbon filter



- Easy to install
- Modular construction
- No tools needed to change filters
- Gasket to seal between door and filter housing
- Clamping device for the filter
- Stable and secure design

Filter housing material: Aluzinc

Filter: Cylindrical filters for loose filled carbon type Camcarb, available in plastic, GZ-steel or stainless steel (EN1.4301). Filled with different types of adsorbents depending on application. See the relevant page in the catalogue for further information.

Air flow: Recommended air flow at 0,1 at 0,2 sec contact time, see table next page.

See also each catalog page for further information.

Note: Door hinged on the left or right. Can be changed on site.

Accessories:

- Prefilter or afterfilter mounting rail 50 mm
- Adjustable feet (4 per set) reference 550902
- Hose connectors for pressure drop, supplied separately reference 550901
- Hose connectors for pressure drop, factory mounted reference 550900
- Lockable handles
- Flange adaptor

Product description

CamCube CC is a flexible and compact range of filter housings for cylindrical filters in length 450 mm. Two stage filtration is available as an option with a prefilter or afterfilter mounting rail for panel filters. The housing is a sandwich design with 45 mm heat and condensation insulation between, covered with aluzinc sheet metal inside and outside (corrosivity class C4). The service hatch is hinged mounted. The endless gasket on the inside of the service hatch makes it highly airtight. The filter housing has a leakage class of C according to EN 15727. As standard the casing has M8 threads for mounting the filter housing. The filter housing is supplied with a guide connection, and a flange connection is available as an option.

Descriptive text example:

- Filter housing:** CamCube CC-1010. Supplier, Camfil Svenska AB
- Design:** Sandwich construction with 45 mm heat and condensation insulation, covered with double aluzinc sheet metal (corrosivity class C4). Leakage class C.
- Filter:** 16 pcs Camcarb 2600 GZ D=145 mm L=450 mm CEX003
- Accessories:** One set of adjustable feet. Hose connectors for pressure drop, factory mounted.

Classification:

Leakage class C, according to the EN 15727:2010 standard.
 Leakage class L1 according to the EN 1886:2007 standard.
 Mechanical performance: D1 according to the EN 1886:2007 standard.



M8 threads for mounting
 Guide connection as standard



Endless gasket in the service hatch



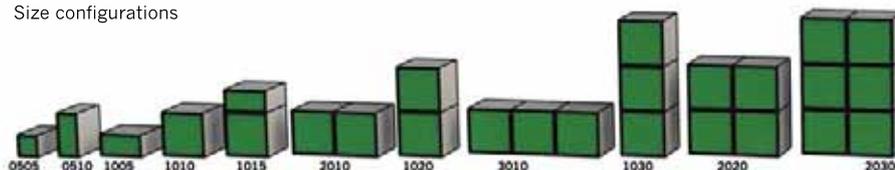
Cylinder for the housing

Filter Housings



Model Name	External dimensions (BxH) mm	Connection dimensions (B1xH1) mm	Number of cylinders	m ³ /h at 0,1 sec contact time	m ³ /h at 0,2 sec contact time	Weight kg
CamCube CC-0505	392x392	300x300	4	650	310	24
CamCube CC-0510	392x692	300x600	8	1300	620	34
CamCube CC-1005	692x392	600x300	8	1300	625	34
CamCube CC-1010	692x692	600x600	16	2600	1250	43
CamCube CC-1015	692x992	600x900	24	3900	1875	55
CamCube CC-1020	692x1292	600x1200	32	5200	2500	64
CamCube CC-1025	692x1592	600x1500	40	6500	3125	76
CamCube CC-1030	692x1892	600x1800	48	7800	3750	85
CamCube CC-1510	992x692	900x600	24	3900	1875	53
CamCube CC-1515	992x992	900x900	36	5850	2810	66
CamCube CC-1520	992x1292	900x1200	48	7800	3750	76
CamCube CC-1525	992x1592	900x1500	60	9750	4685	89
CamCube CC-1530	992x1892	900x1800	72	11700	5625	99
CamCube CC-2010	1292x692	1200x600	32	5200	2500	62
CamCube CC-2015	1292x992	1200x900	48	7800	3750	77
CamCube CC-2020	1292x1292	1200x1200	64	10400	5000	86
CamCube CC-2025	1292x1592	1200x1500	80	13000	6250	100
CamCube CC-2030	1292x1892	1200x1800	96	15600	7500	109
CamCube CC-2510	1592x692	1500x600	40	6500	3125	74
CamCube CC-2515	1592x992	1500x900	60	9750	4685	89
CamCube CC-2520	1592x1292	1500x1200	80	13000	6250	98
CamCube CC-2525	1592x1592	1500x1500	100	16250	7810	113
CamCube CC-2530	1592x1892	1500x1800	120	19500	9375	123
CamCube CC-3010	1892x692	1800x600	48	7800	3750	83
CamCube CC-3015	1892x992	1800x900	72	11700	5625	99
CamCube CC-3020	1892x1292	1800x1200	96	15600	7500	108
CamCube CC-3025	1892x1592	1800x1500	120	19500	9375	124
CamCube CC-3030	1892x1892	1800x1800	144	23400	11250	134

Size configurations



As part of our program for continuous improvement, Camfil reserves the right to change specifications without notice.

FCBS-A



Advantages

- Easy to Install
- Modular construction
- No tools needed to change filters
- Gasket to seal between door and filter housing
- Easy servicing
- Stable and secure design

Housing: Galvanised steel.

Filters: Absolute, AIROPAC, MICRETAIN and SOFILAIR.

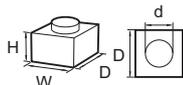
Alternative: Possibility to switch the housings 180° (flexibility to access from left or right side).

Please note: Stainless steel version is also available.

Model Name	Exterior dimensions(WxHxD) mm	Interior dimensions WxH mm	Number of filters 592x592 mm	Number of filters 287x592 mm	Volume m³	Weight kg
FCBS-A 0510	399×744×500	309×614	-	1	0.15	20
FCBS-A 1005	704×439×500	614×309	-	1	0.16	20
FCBS-A 1010	704×744×500	614×614	1	-	0.27	26
FCBS-A 1015	704×1055×500	614×925	1	1	0.38	41
FCBS-A 1020	704×1360×500	614×1230	2	-	0.49	46
FCBS-A 1025	704×1670×500	614×1540	2	-	0,6	59
FCBS-A 1030	704×1975×500	614×1845	3	-	0.71	68
FCBS-A 1510	1013×744×500	923×614	1	-	0.39	37
FCBS-A 1520	1013×1360×500	923×1230	2	2	0,7	62
FCBS-A 1530	1013×1975×500	923×1845	3	3	1.03	88
FCBS-A 2010	1318×744×500	1228×614	2	-	0,5	42
FCBS-A 2015	1318×1055×500	1228×925	2	2	0.71	68
FCBS-A 2020	1318×1360×500	1228×1228	4	-	0.92	72
FCBS-A 2025	1318×1670×500	1228×1540	4	2	1.13	95
FCBS-A 2030	1318×1975×500	1228×1845	6	-	1.33	101
FCBS-A 2510	1677×744×500	1537×614	2	1	0.64	51
FCBS-A 2520	1677×1360×500	1537×1230	4	2	1.17	89
FCBS-A 2530	1677×1975×500	1537×1845	6	3	1.7	126
FCBS-A 3010	1982×744×500	1842×614	3	-	0.76	59
FCBS-A 3015	1982×1055×500	1842×925	3	3	1.07	89
FCBS-A 3020	1982×1360×500	1842×1230	6	-	1.38	98
FCBS-A 3025	1982×1670×500	1842×1540	6	3	1.7	130
FCBS-A 3030	1982×1975×500	1842×1842	9	-	2	138

Other dimensions and arrangements available on request

Pharmaseal-E top entry: full equipment



Advantages

- Combines all the essential functions required for pharmaceutical and biotechnology facilities
- Integrated Control panel : all controls and connections accessible from room side
- Easy maintenance : quick filter change
- Long term reliability : fully welded seams
- Airflow adjustment by "Radial" damper
- Traceability : unique serial number
- Individual tightness test at factory

Application: Turbulent airflow clean rooms in bio-pharma

Type: Terminal filter ducted ceiling housing for HEPA/ULPA filters in clean rooms, gel seal or expanded PU gasket, with individual "Radial" damper, for fully equipped GMP tests

Construction: Galvanised steel, fully welded seams, white epoxy paint, oven baked

Damper: Individual adjustable "Radial" damper, for airflow adjustment accessible from room side

- Included functions accessible from room side:

- * Static pressure port
- * Damper control with Damper position indicator
- * Aerosol dispersion ring with Aerosol port injection

For filters: High airflow MEGALAM MG HFU HD (gel seal) or HFP HD (PU gasket) to be ordered separately.

Filter Mounting: Quick filter change using pivoting clamps fitted with compression limiter.

Filter seal: Knife edge for immediate air tightness with gel or PU gasket.

Control: Individually leak tested at 750 Pa by pressure decay according to NF M 62200.

Fastening : By removable "universal blocks", suspended by hangers or integrated into clean room ceiling panels

Hinged grids: Perforated, swirl, 4 ways adjustable blades to order separately

Model Name	Model	Size (AxBxH/Ø) mm	For filters (WxHxD) mm	Weight kg	Volume m3
TOP ENTRY					
Pharmaseal-E full	PHE-3P3-TS-C160-F	392x392x370/160	331/295x283/247x123	5,9	0,06
Pharmaseal-E full	PHE-5P5-TS-C250-F	595x595x370/250	535/499x487/451x123	6,7	0,13
Pharmaseal-E full	PHE-11P5-TS-C315-F	595x1195x370/315	1087/1051x487/451x123	12,5	0,26
SIDE ENTRY					
Pharmaseal-E full	PHE-3P3-LS-C160-F	392x392x420/160	331/295x283/247x123	5,9	0,06
Pharmaseal-E full	PHE-5P5-LS-C250-F	595x595x510/250	535/499x487/451x123	6,7	0,13
Pharmaseal-E full	PHE-11P5-LS-C315-F	595x1195x575/315	1087/1051x487/451x123	12,5	0,26
Grid not included: see CamSeal grid reference					

Model Name	Model	Filter class	Size ext/int (WxHxD) mm	Media Area m ²	Airflow / Pressure drop m ³ /h/Pa	Weight kg
Filters for Pharmaseal-E seal gel, 2 faceguard						
MG14 HFU HD-2G	3P3	H14	323/287x283/247x123	3,3	380/250	4
MG14 HFU HD-2G	5P5	H14	535/499x487/451x123	11,5	1200/250	6,5
MG14 HFU HD-2G	11P5	H14	1087/1051x487/451x123	25,1	2500/250	12
Filters for Pharmaseal-E PU gasket, 2 faceguard						
MG14 HFP HD-2G	3P3	H14	323/287x283/247x123	3,3	380/250	4
MG14 HFP HD-2G	5P5	H14	535/499x487/451x123	11,5	1200/250	6,5
MG14 HFP HD-2G	11P5	H14	1087/1051x487/451x123	25,1	2500/250	12

As part of our program for continuous improvement, Camfil reserves the right to change specifications without notice.

CleanSeal top entry PU gasket: full equipment



Advantages

- **NEW!** Tool-less filter clamping 100% secured and immediate
- **NEW!** Quick grid locking for immediate access to filter
- **Long lasting reliability and tightness:** robust fully welded construction
- **Easy installation:** unique movable supporting blocks included
- **Large choice of standardized sizes**
- **Complete interchangeable diffusion plates range**

Application: Turbulent airflow in clean rooms

Type: Terminal housing for HEPA/ULPA filters with PU gasket

Construction: Galvanized steel, fully welded seams

Finishing: White epoxy coated RAL 9010

Connection: By ribbed circular inlet continuous welded on top

For Filters: MEGALAM MD/MX/MD PU gasket frame height (66/90/110mm) (to be ordered separately)

Filter Mounting: Tool-less multi-height quick release lever clamp for immediate and secured clamping including gasket compression limiter and filter retainer.

Control equipment: room side access : 1 port for dp or 100%

Housing installation: by removable «universal blocks, for suspension by hangers, or integration into clean room ceiling panels or fitting into T bar grids system

Diffusion plates (to be ordered separately): Flush hinged grids with "credit card" quick locking: Perforated, swirl, 4 ways, adjustable blades

Model Name	Model***	Size* (AxBxH**/Ø)mm	For filters (WxHxD) mm	Volume m ³	Weight kg
Top entry-PU	CL-SW-3P3-P-XX-T-C160-N-00-AAA	392x392x311/160	305x610x66/90/110	0.05	6.7
Top entry-PU	CL-SW-4P4-P-XX-T-C200-N-00-AAA	544x544x311/200	457x457x66/90/110	0.09	10.1
Top entry-PU	CL-SW-4P4-P-XX-T-C250-N-00-AAA	544x544x311/250	457x457x66/90/110	0.09	10.0
Top entry-PU	CL-SW-5P5-P-XX-T-C250-N-00-AAA	595x595x311/250	508x508x66/90/110	0.11	11.3
Top entry-PU	CL-SW-5P5-P-XX-T-C315-N-00-AAA	595x595x311/315	508x508x66/90/110	0.11	11.1
Top entry-PU	CL-SW-6P6-P-XX-T-C250-N-00-AAA	697x697x311/250	610x610x66/90/110	0.15	14.1
Top entry-PU	CL-SW-6P6-P-XX-T-C315-N-00-AAA	697x697x311/315	610x610x66/90/110	0.15	13.9
Top entry-PU	CL-SW-11P5-P-XX-T-C315-N-00-AAA	1195x595x311/315	1108x508x66/90/110	0.22	19.1
Top entry-PU	CL-SW-12P6-P-XX-T-C315-N-00-AAA	1307x697x311/315	1220x610x66/90/110	0.28	22.7

Note 1 (*): including peripheral return THEN ADD 20mm
 Note 2 (**): including collar height THEN ADD 46mm
 Note 3 (***) : for ordering, replace XX, and select filter frame height:
 MD for Megalam MD 66mm
 MX for Megalam MX 90mm
 MG for Megalam MG 110mm

As part of our program for continuous improvement, Camfil reserves the right to change specifications without notice.

CamContain



Advantages

- Integrated filter scanning technology
- Especially secure filter-clamping technology
- Innovative filter insertion device
- Safe decontamination concept

Typical applications: Hospital isolation rooms/wards and Intensive Care Units (ICUs) for the control of airborne pathogens, viral contaminants and infectious organisms.

Construction: Matched components can include bag-in/bag-out section, prefilter section, testing section and an optimized fan section.

Filters: Absolute® filters and various grades of ASHRAE grade filters for prefiltration.

Additional data: Consult factory or Product Sheet 3424 for additional information.

Safety cannot be stressed enough

Especially when it involves highly sensitive applications in which people, animals or the environment are endangered by highly infectious microorganisms, for example. High safety demands apply to all situations in which toxic, radioactive or bacterial substances must be isolated, such as in the pharmaceutical industry, with the use of biotechnical equipment as well as in BSL-3/BSL-4 laboratories and nuclear power engineering.

The filter housings have been designed to meet the highest safety demands.

To ensure a complete documentation of your air filtration, most notably in highly sensitive areas, the CamContain CS housing can be supplied with an integrated scanner. The HEPA filter can be tested on-site for separation efficiency and any leaks, and the results professionally documented.

For applications in which dangerous microorganisms must be filtered out (BSL-3/BSL-4), the housing can be equipped with connections and devices for safe decontamination. What is more, the maintenance bag replacement technology guarantees additional safety for the operator.

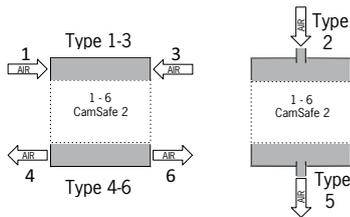
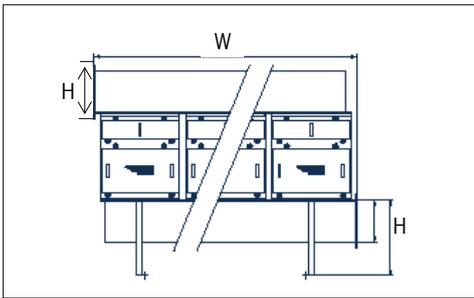
The CamContain CS housings made of stainless steel are gas-tight welded, torsion-resistant and compliant with the highest tightness requirements, which are also commonly used in nuclear power plant engineering.



The CamScan Mobile is a mobile analysis unit for the automatic testing of an installed filter. As defined in the standard DIN 1822, the built-in filter can be tested for overall separation efficiency and any possible leaks. The computer that is integrated into the system stores the measurement values, which in turn allows for trouble-free documentation.

As part of our program for continuous improvement, Camfil reserves the right to change specifications without notice.

CamSafe 2 - Connecting Ducts painted



Advantages

- Modularity
- Fully welded airtight
- Flange drilled ready for operation
- Lifting eyes in standard

Application: Assembling casing in parallel to handle airflow up to 24000 m³/h.

Type: Connecting ducts for CamSafe 2 housing.

Construction: 2mm steel airtight welded, white epoxy painted oven baked RAL 9010, 70µm.

For housing: CamSafe 2 mounted in parallel.

Connection: Rectangular flanges pre-drilled at the factory.

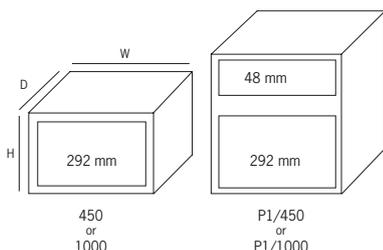
Accessories: Gaskets and bolting kit (FPA1108).

Model Name	Airflow max. m ³ /h**	For many caissons in parallel	Size overall (LxHxP*) mm	Section inner flanges mm	Volume m ³	Weight kg
Ducting top side intake 1-1000/1-3	4 000	1	840x355x725	250x625	0.3	30
Ducting top side intake 2-1000/1-3	8 000	2	1625x425x725	320x625	0.6	45
Ducting top side intake 3-1000/1-3	12 000	3	2410x495x725	390x625	1.0	80
Ducting top side intake 4-1000/1-3	16 000	4	3195x595x725	490x625	1.6	105
Ducting top side intake 5-1000/1-3	20 000	5	4017x695x725	590x625	2.2	150
Ducting top side intake 6-1000/1-3	24 000	6	4802x800x725	695x625	3.0	195
Ducting bottom side exit 1-1000/4-6	4 000	1	840x700x725	250x625	0.5	40
Ducting bottom side exit 2-1000/4-6	8 000	2	1625x700x725	320x625	1.0	55
Ducting bottom side exit 3-1000/4-6	12 000	3	2410x700x725	390x625	1.6	85
Ducting bottom side exit 4-1000/4-6	16 000	4	3195x700x725	490x625	2.0	115
Ducting bottom side exit 5-1000/4-6	20 000	5	4017x700x725	590x625	2.6	165
Ducting bottom side exit 6-1000/4-6	24 000	6	4802x800x725	695x625	3.0	215
Ducting top central intake 1-1000/2	4 000	1	840x300x725	250x625	0.3	30
Ducting top central intake 2-1000/2	8 000	2	1625x370x725	320x625	0.6	45
Ducting top central intake 3-1000/2	12 000	3	2410x440x725	390x625	1.0	80
Ducting top central intake 4-1000/2	16 000	4	3195x540x725	490x625	1.6	105
Ducting top central intake 5-1000/2	20 000	5	4017x640x725	590x625	2.2	150
Ducting top central intake 6-1000/2	24 000	6	4802x740x725	695x625	3.0	195
Ducting top central exit 1-1000/2	4 000	1	840x300x725	250x625	0.5	40
Ducting top central exit 2-1000/2	8 000	2	1625x370x725	320x625	1.0	55
Ducting top central exit 3-1000/2	12 000	3	2410x440x725	390x625	1.6	90
Ducting top central exit 4-1000/2	16 000	4	3195x540x725	490x625	2.0	125

** Depending on the filter used

CamSafe 2 - Safe change filter casing Bag In Bag Out (BIBO) - painted version

NEW ! Unique System "Twice the Security"



Advantages

- Modularity and Flexibility
- High security guarantee: class 3 ISO10648-2 at +/- 6000Pa
- Filter clamping "Twice the Security" (patented)
- High operator protection by BIBO
- Fully welded

Applications: Exhaust of contaminated air (particles, microorganisms, molecules), filter changing in secure plastic bag: Pharmaceutical, Biotechnology, Chemistry, Hospitals, Laboratories biosafety, animal facilities.

Type: Modular system BIBO safe change housing to be assembled, fully welded.

Construction: 2mm steel airtight welded.

Finish: White epoxy painted baked RAL 9010 70µm.

Filter frame: Continuous welded.

For filters: Filters 292mm depth particle Opakair, Absolute™ and carbon Acticarb and 48mm depth Prefilters kind AeroPleat, EcoPleat, MPleat.

Filters mounting : Fast filter clamping by cam factory set, equipped with a "twice security" both on clamping frame and door: impossible to clamp the filter if not correctly positioned and impossible to close the door if the filter is not clamped.

Connection: Rectangular flanges pre-drilled.

Pressure ports: Locations provided upstream and downstream (pressure port kit to be ordered separately).

Performance: Housing qualified +/- 6000Pa: Class 3 acc. to ISO 10648-2, L1 acc. to EN1886, Class D acc. to EN12237, Class C acc. to Eurovent 2/2. Max penetration gasket frame at 600Pa:<0.01% by ISO14644-3.

Accessories: Safe change bag with integrated o-ring sealable (FPA0466)
Gaskets and bolting kit (FPA1108)

Connecting ducks 1-6 housing in parallel for high flow rates (FPA1107)

Pressure test kit (FPA0526)

Option: Stainless steel, factory mounting full or partial, individual factory tests with test report.

Model Name	Model	Sizes overall (WxHxD) mm	Filter 1st row	Filter terminal	Flange mm	Volume m ³	Weight kg
CamSafe 2	Painted Housing 450	730x535x510	-	305x610x292	730x420	0.2	38
CamSafe 2	Painted Housing P1/450	730x790x510	305x610x48	305x610x292	730x420	0.3	60
CamSafe 2	Painted Housing 1000	730x535x815	-	610x610x292	730x725	0.4	44
CamSafe 2	Painted Housing P1/1000	730x790x815	610x610x48	610x610x292	730x725	0.5	69

As part of our program for continuous improvement, Camfil reserves the right to change specifications without notice.

CamSafe 2 - Safe change filter housing Bag In Bag Out

Laboratories and containment areas



Option scan manual :

Option scan manual : for more security, no intrusive filter test

Advantages

- Tightness qualified at +/- 6000Pa
- Maximum local penetration on the filter gasket flange 10^{-4} (0.01 %)

Type: Modular system BIBO safe change housing specially designed for dangerous material. Airflow can be vertical or horizontal

Construction: 2mm steel housing and filter gasket flanged continuously welded

Painted: Epoxy powder RAL 9010 70µm

Accessories: Safe change bag with integrated o-ring sealable 1900.45.01 for 48, 1900.46.01 for 292.

Filters: Filters 292mm depth. Particle filter type: Opakair, Absolute and carbon filter: Acticarb.

Connection: Rectangular flanges pre-drilled

Applications: Exhaust of contaminated air (particles, microorganisms,

New: For added security: Using the scanning option filter according to ISO EN 14644-3

molecules), filter changing in secure plastic bag: Pharmaceutical, Biotechnology, Chemistry, Hospitals, Laboratories biosafety, animal facilities.

Maintenance of safe and simple filters without tools



- Ergonomic wheels for easy handling with gloves
- Doors with mistake proofing system which not allows to close if the filter is not properly installed



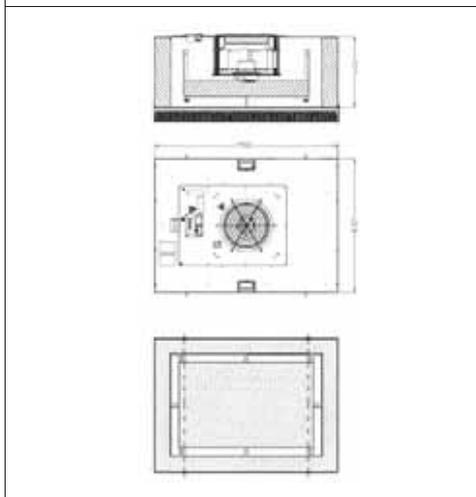
- Quick clamping system set for life with spring compensation
- Caller with double groove to secure the filter change

Change filters without breaking containment, so no risk of contamination to the operator and the environment



- Change the filters in thick sealable plastic bag with sleeve to secure the change of the contaminated filter and the running bag

CamFFU High Performance HP-EC



Advantages

- Individual control
- Low power consumption
- Lowest sound power level
- EC Fan with high reserve capacity for pre- and AMC filtration

Application: Flexible and economical modular solution to equip clean rooms in turbulent or 100% unidirectional airflow, from ISO 8 to ISO 1.

Type: Self contained ceiling fan filter unit with high performance EC motor.

Construction: Aluminum housing, powder coated steel on request.

Fan: Efficient EC motor with backwards-curved blades.

Airflow control: BUS controlled system or handheld control.

Filter: Megalam H14, U15 or U16, MD, MX or MG with dry PU gasket to be ordered separately.

Installation: Installation in Camfil CamGRID-FFU ceiling or equivalent systems.

EC Motor technical data:

Voltage: 200 - 277 V

Frequency: 50/60 Hz

Nominal current: 1,8 - 1,3 A

Max. rotation speed: 300 - 1300 rpm

Nominal power: 370 W

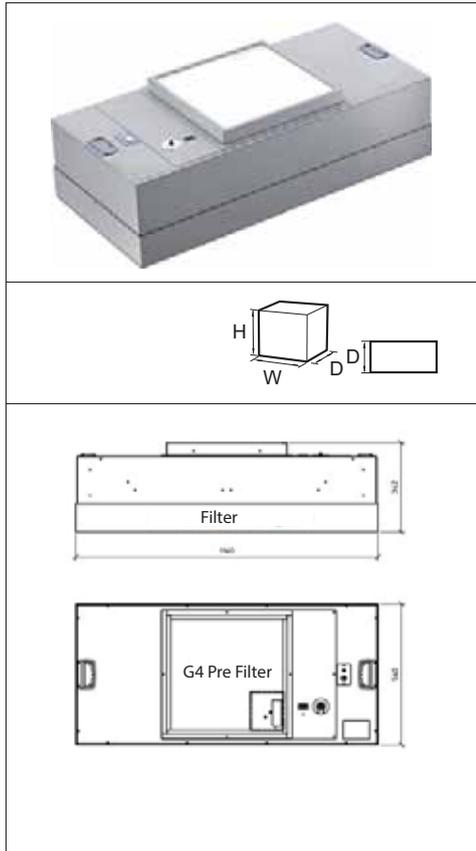
Operating temperature limits: 0 - 40°C

Model Name	Type	DimensionsAxBxC mm	Weight* kg	Airflow m ³ /h	Air velocity m/s	Pressure drop Pa	Max. external dP	Power consumption W	Sound power level	Sound power level at 25%, 50%, 100% clean room coverage [dB (A)**]
CamFFU HP-EC	12P6	1132 x 532 x 440	25	770 1160	0,3 0,5	80 120	400 375	46 89	41 47	43, 46, 50 49, 52, 55
CamFFU HP-EC	12P9	1132 x 832 x 440	39	1150 1730	0,3 0,5	80 120	355 295	68 142	42 49	42, 45, 48 49, 52, 56
CamFFU HP-EC	12P12	1132 x 1132 x 440	45	1500 2330	0,3 0,5	80 120	350 235	83 195	44 52	44, 47, 50 52, 55, 58

* Without filter.

** With Camfil Megalam H14 filter cell / without pre-filter, AMC filter.

CamFFU Compact Solution CS-EC simple control onboard



Advantages

- Simple direct speed control
- Low power consumption
- Low sound power level
- EC Fan with high reserve capacity for pre- and AMC filtration
- Very low design height

Application: Flexible and economical modular solution to equip turbulent clean rooms from ISO 8 to ISO 1 with very low space above the false ceiling

Type: Self contained ceiling fan filter unit with high performance EC motor.

Construction: Aluminum housing, powder coated steel on request.

Fan: Efficient EC motor with backwards-curved blades.

Airflow control: Simple speed control by the means of an integrated 0-10V rotary potentiometer.

Filter: Megalamin H14, U15 or U16, MD, MX or MG with dry PU gasket to be ordered separately.

Installation: Installation in Camfil CamGRID-FFU ceiling or equivalent systems.

EC Motor technical data:

Voltage: 230 V

Frequency: 50 Hz

Nominal current: 1,7 A

Max. rotation speed: 1500 rpm

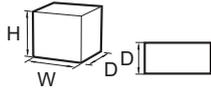
Nominal power: 370 W

Operating temperature limits: 0 - 40°C

Model Name	Type	Dimensions AxBxC mm	Weight* kg	Airflow m ³ /h	Air velocity m/s	Pressure drop Pa	Max. external dP	Power consumption W	Sound power level	Sound power level at 25%, 50%, 100% clean room coverage [dB (A)**]
CamFFU CSEC_sco	12P6	1135 x 535 x 342	21	770 1160	0,3 0,5	80 120	305 230	67 162	60 66	62, 65, 68 68, 71, 74

* Without filter.
** With Camfil Megalamin H14 filter cell / without pre-filter, AMC filter.

CamFFU Integrated Solution IS-EC



Advantages

- Individual control
- Very rigid construction
- Low power consumption
- EC Fan with high reserve capacity for pre- and AMC filtration

Application: Units can be screwed together to form individual cleanroom ceilings e.g. for machine enclosures, clean work cabins or minienvironments from ISO 14644 class 8.0 to ISO 1.0.

Type: Self contained ceiling fan filter unit with high performance EC motor.

Construction: Powder coated steel or stainless steel housing.

Fan: Efficient EC motor with backwards-curved blades.

Airflow control: BUS controlled system or handheld control. Also available as CamFFU_IS-EC_sce for easy 0-10V potentiometer control.

Filter: Megalam H14, U15 or U16, MD or MX with Camfil Sil-Gel gasket to be ordered separately

Installation: System can span up to 4800 mm x 4800 mm or supported by pedestals.

EC Motor technical data:

Voltage: 200 - 277 V

Frequency: 50/60 Hz

Nominal current: 1,8 - 1,3 A

Max. rotation speed: 300 - 1300 rpm

Nominal power: 370 W

Operating temperature limits: 0 - 40°C

ModelName	Type	Dimensions AxBxC mm	Weight* kg	Airflow m3/h	Air velocity m/s	Pressure drop Pa	Max. external dP	Power consumption W	Sound power level	Sound power level at 25%, 50%, 100% clean room coverage [dB (A)**]
CamFFU IS-EC	12P6	1200 x 600 x 435	64	770	0,3	390	390	55	49	52, 58
				1160	0,5	350	120	110	56	59, 65
CamFFU IS-EC stainless	12P6	1200 x 600 x 435	67	770	0,3	390	390	55	49	52, 58
				1160	0,5	350	120	110	56	59, 65

* Without filter.

** With Camfil Megalam H14 filter cell / without pre-filter, AMC filter.

Summary Air Purifiers, Dust collectors & Gas Turbine Filtration



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CamCleaner 300
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CamCleaner 300 Concealed
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CamCleaner 800
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Air Cleaners
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Panel filters for Gas Turbines
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Panel filters for Gas Turbines
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Bag filters for Gas Turbines
Cam-Flo XMGT
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Bag filters for Gas Turbines
Cam-Flo XLGT
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Bag filters for Gas Turbines
Cam-Flo GT X7
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Bag filters for Gas Turbines
CamGuard
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Bag filters for Gas Turbines
Hi-Cap GT
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Compact filters for Gas Turbines
CamGT 3V-600
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Compact filters for Gas Turbines
CamGT 4V-300
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Compact filters for Gas Turbines
CamGT Box Model Name
Green II
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As part of our program for continuous improvement, Camfil reserves the right to change specifications without notice.

Camfil information

Pre-Filtration
Class G2 to G4

Bag and Compact Filters,
Class M5 to F9

HEPA / ULPA Filters,
Class E10 to U17

Molecular Filtration

Filter Frames and Housings

Air Purifiers, Dust collectors
& Gas Turbine Filtration



Compact filters for Gas Turbines
Opakfil GT/GTX
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Compact filters for Gas Turbines
Turbopac
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Pulse filters for Gas Turbines
Campulse GTC
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Pulse filters for Gas Turbines
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Pulse filters for Gas Turbines
CamPulse GT Polytech HE
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Pulse filters for Gas Turbines
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Pulse filters for Gas Turbines
Tenkay GTC/GTD/PolyTech HE
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Pulse filters for Gas Turbines
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Industrial Dust Extractors
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Industrial Dust Extractors
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Filter Cartridges
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Filter Cartridges
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Filter Cartridges
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Filter Cartridges
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Filter Cartridges
DuraPleat DPJ 218
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CamCleaner 300



Advantages

- Healthier employees
- Less cleaning
- Less asthma and allergy suffering
- Reduced environmental impact
- Less odour

Applications: Air purifier for all types of indoor environments, for example hospitals, hotels, offices, homes, schools, public environments and where high quality air purification is required.

Power supply: 200..240V

Filter: E11 and Molecular filter mat.

Installation: Floor or wall

Design: Stainless steel / white

Average air purification area: 35m²

Item no.	Item name	Dimensions (WxHxD) mm	Transport dimensions (WxHxD)mm	Weight kg	Filter included in standard version *
94000038	Stainless steel	280x665x210	285x670x215	11	E11/molecular mat
94000043	White	280x665x210	285x670x215	11	E11/molecular mat

* Other filter classes available on request

Exchange

Item no.	Item name	Dimensions (BxHxD) mm	Filter class compliant with EN1822	Number of filters per air purifier	Comments
	Main filter	PL50EAL (280x195x77-00)	E11	2	Standard
	Molecular mat	KFM (253x175x20)	Molecular	1	Standard

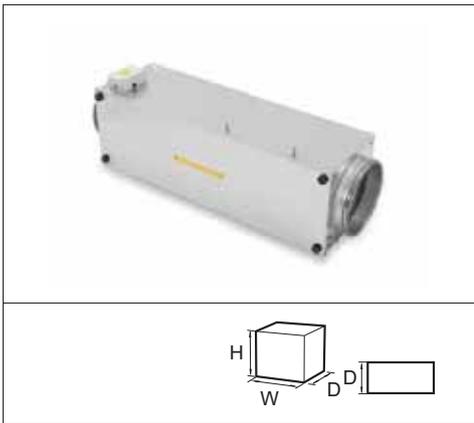
94000015 UK plug 230V

* Other filter classes available on request

Setting	Air flow m ³ /h	Energy consumption/W	Noise level dBa	System efficiency 0,3-0,4µm (%)
1	82	42	31	>95
2	119	49	35	>95
3	280	82	41	>95

As part of our program for continuous improvement, Camfil reserves the right to change specifications without notice.

CamCleaner 300 Concealed



Advantages

- Healthier employees
- Less cleaning
- Lower energy costs
- Reduced environmental impact
- Clean products, fewer operational disruptions
- Easy to adapt ducts and diffusers
- Less odour

Applications: Air purifier for all types of indoor environments, for example hospitals, hotels, offices, homes, schools, public environments and where high quality air purification is required.

Nominal voltage range: 200..240V

Filter: F7 and E11

Duct Connection: 2 pc Ø250mm

Capacity: 316 m³/h

Installation: Wall or ceiling (built in)

Design: Galvanized sheet steel

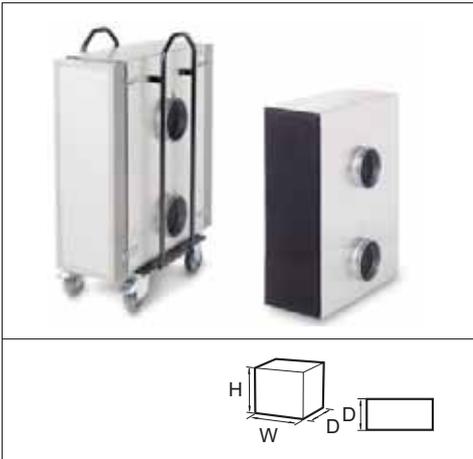
Average air purification area: 35m²

Item no.	Model Name	Dimensions (WxHxD) mm	Weight kg	Air volume m ³ /h	Initial pressure drop Pa	Air purification area m ²	Noise level dBA	Power output W	Filter included in standard version *
94000011	CamCleaner 300 Concealed	1052X316X364	21,4	316	137	max 100		28	F7 + E11

Upgrades / Accessories / Exchange

Art. Nr	Description
Upgrades	
94000012	Upgrade with standard MiniCarb and 97mm Ecopleat
94000013	Upgrade with MiniCarb for Formaldehyde and 97mm Ecopleat
94000014	Upgrade to H13
Accessories	
94000015	UK plug 230V
Exchange	
	HI-FLO XLT 7 D50+ HFGX-F7-287/287/370-5-25
	MICRETAIN TRE 11-287X287X292-01
	ECOPLEAT ECO 3GPF 287X287X97-M5
	MEGAFLO MFE 13-287X287X292-01/10
	MINICARB MINICARB/CEX003/A1 d=90/80 mm L=250
	MINICARB MINICARB/CEX004/J2 d=90/80 mm L=250

CamCleaner 2000



Advantages

- Healthier employees
- Less cleaning
- Eliminates tobacco smoke, weld smoke, construction dust, asbestos and particles of all sizes down to ultrafine.
- Reduced environmental impact
- Clean products, fewer operational disruptions
- Lower energy costs

Applications: Air purifier for dusty environments and indoor premises such as warehouses, pharmaceutical facilities, food factories, heavy industry, paper mills, welding workshops, construction sites, laundries, timber facilities, bakeries, packaging production, printing facilities, stables, processing industry and supermarkets. Also suitable in connection with construction, demolition and coating operations.

Power supply: 200..240V

Filter: F7, E11

Connection: 2 standard spacers, diam. 160 mm

Installation: Mobile, stationary, on wall or floor

Please note: Molecular filtration option is available

Design: Stainless steel Body

Average Air purification area: 300m²

Item no.	Model Name	Dimensions (WxHxD) mm	Weight kg, including filter	Filter included in standard version *	Number of filters per airpurifier
94000018	CamCleaner 2000 Handle	702x987x373	43	F7/E11	2 Pre + 2 Main
94000019	CamCleaner 2000 Basic	550x783x302	32	G4/E11	2 Pre + 2 Main

* Other filter classes available on request

Upgrades/Accessories/Exchange

Item no.	Item Name	Filter class compliant with EN1822 / EN779:2012	Numbers per air purifier	Comments
Upgrades				
94000020	Extension frame with 1 pc Hepa H13 on supply side	H13	1	
94000028	Hepa 13 (includes 2 pcs H13 filter)	H13	2	
Accessories				
94000021	Molecular box with 6 pcs CamCarb Green-R 2600	VOC	1	
94000029	Suction side		2	
94000015	UK plug 230V, UK 50Hz			
94000031	Pre Filter		2	
94000034	Wheel plate		2	
Exchange				
	Prefilter Ecopleat G 3GPF (753x250x90-F7)	F7	2	Standard
	Main filter Micretain MXEM E11 (250x750x150-00)	E11	2	Standard
	Main filter Absolute MXE H13 (250x750x150-00)	H13	2	
	Absolute MXE H13 for extension frame on supply side 390x750x250	H13	1	
	CamCarb Green-R 2600	VOC	6	

* Other filter classes available on request

Air flow m ³ /h	Energy consumption/W	Noise level dBA	System efficiency 0,3-0,4μm (%)
0-1400	0-302	0-68	>95

CamCleaner 6000



Advantages

- Healthier employees
- Less cleaning
- Eliminates tobacco smoke, weld smoke, construction dust, asbestos and particles of all sizes down to ultrafine.
- Lower energy costs
- Reduced environmental impact
- Clean products, fewer operational disruptions
- Reduces the average temperature in rooms with high ceilings

Applications: Air purifier for dusty environments and large indoor premises such as pharmaceutical facilities, food factories, heavy industry, paper mills, welding workshops, timber facilities, bakeries, packaging production, printing facilities, stables, processing industry, supermarkets and other specialist applications such as upgrading of clean room environments and other classified assembly environments.

Power supply: 3-phase 380-480V or 1-phase 230V

Filter: F7, E11-H13

Fan: EC fan with adjustable airflow and ModBus connection.

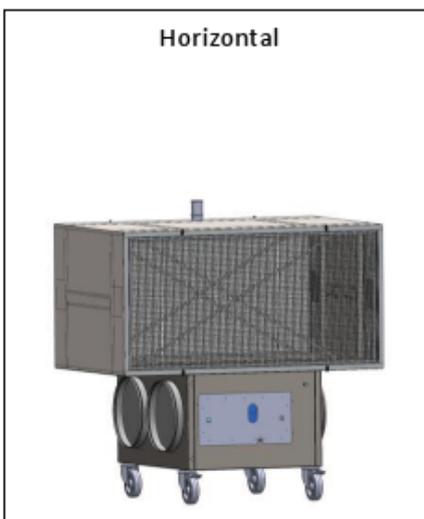
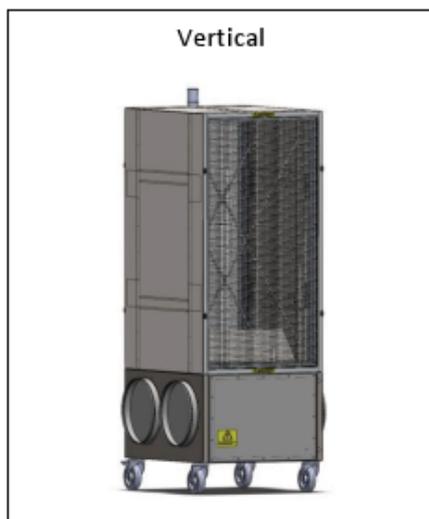
Capacity: 0 - 6000 m³/h

Connection: 4 standard round (diameter 315mm) or 2 standard round (diameter 315mm) and 2 round (diameter 250mm) with sound reduction

Installation: Floor, wall or ceiling mounting (with wire or suspension arms).

Weight kg: 130,5 including filters

Item no.	Model Name	Model	Dimensions (WxHxD) mm	Filter class compliant with EN1822 / EN779:2012	Number of filters per air purifier
94000001	CamCleaner 6000 230V, 1 phase	Vertical	798x1968x820	F7-E11	4 Pre + 2 Main
94000002	CamCleaner 6000 380-400V, 3 phase	Vertical	798x1968x820	F7-E11	4 Pre + 2 Main
94000003	CamCleaner 6000 230V, 1 phase	Horizontal	1262x1359x829	F7-E11	4 Pre + 2 Main
94000004	CamCleaner 6000 380-400V, 3 phase	Horizontal	1262x1359x829	F7-E11	4 Pre + 2 Main



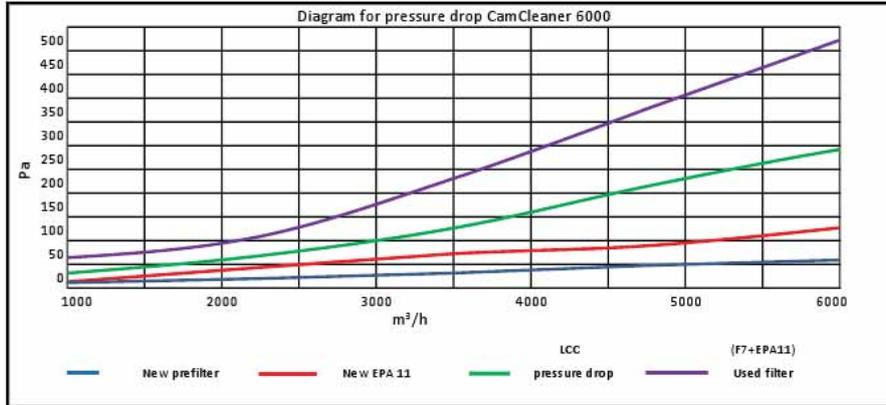
Horizontal or Vertical

As part of our program for continuous improvement, Camfil reserves the right to change specifications without notice.

Air Cleaners

Technical information and pressuredrop

Airflow m ³ /h	Energy Consumption			dBa	m ²	System efficiency(%) Particles 0,3-0,5µm
	SFP	W/(m ³ /h)				
3000	150W	0,05	52,3	750	99,21	
4000	312W	0,08	55,5	1000	98,93	
5000	556W	0,11	62	1250	98,89	
6000	887W	0,15	67	1500	98,67	

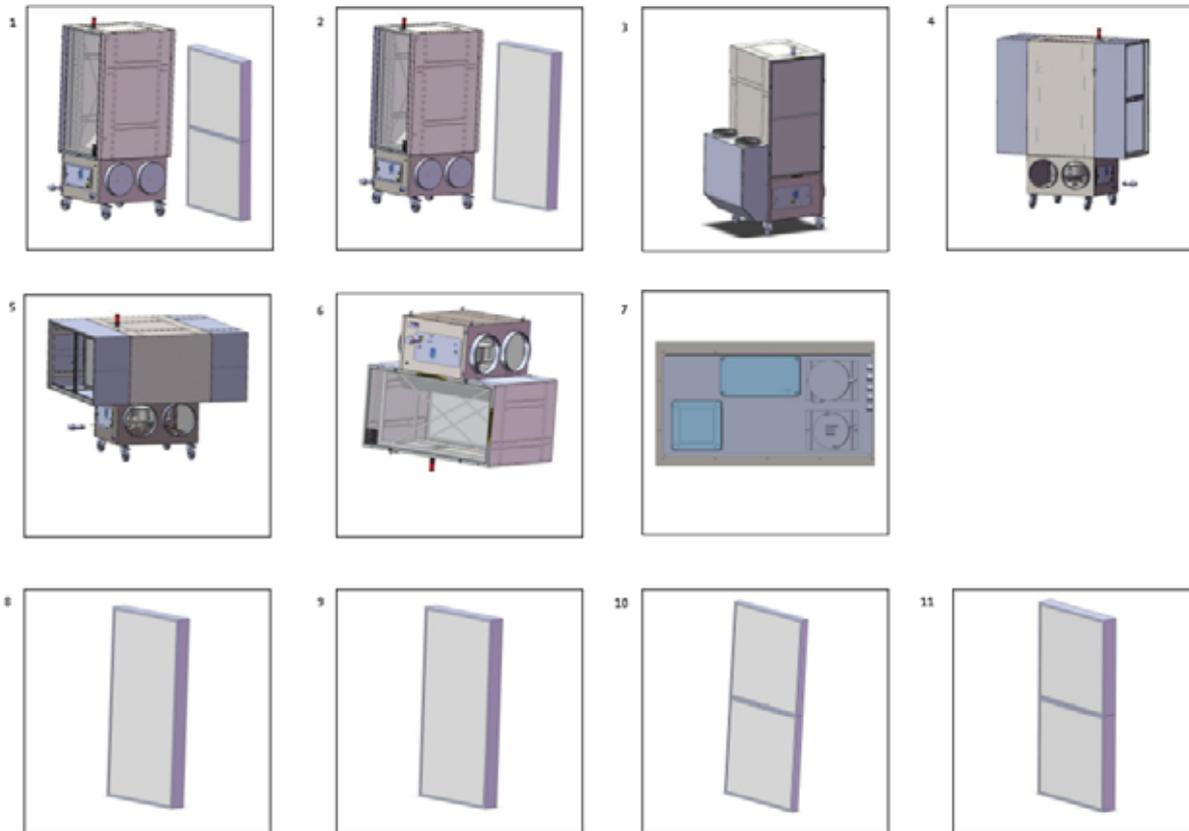


Technical information and pressuredrop

Air Cleaners

Upgrades /Accessories / Exchange

Art. Nr	Item number	Item Name
Upgrades		
94000008	1	Upgrade prefilter to 97mm Ecopleat
94000009	2	Upgrade mainfilter to Hepa 13
Accessories		
94000005	3	Silencer (only for vertical model)
94000010	4-5	Ext. frame for Bagfilter/Citycarb/City-Flo size 592/592/ max 370-10-25 (delivered without filter)
94000006	6	Eyelets for ceiling mounting (Horizontal)
94000007	7	Constant airflow sensor
94000015		UK Plug (1 Phase)
94000016		UK Plug (3 phase)
94000026	1	Extension frame 97mm (Without filter)
94000027	5	Extension frame bag filter (Without filter)
94000035	4	Molecular box for 2X32 pcs CamCarb Green-R 1300 (Without molecular filter)
Exchange		
	8	MGMM 11-1220X610X100-01
	9	MGM 13-1220X610X100-01/10
	10	Ecopleat F7-610X610X50mm
	11	Ecopleat F7-610X610X97mm CamCarb Green-R 1300
Other filter selection		
		Bagfilter XLT F7 592X592-max 380mm
		CityCarb OPKCC-242412-M6-01PU 592x592x292
		City-Flo HFZS-F7-592/592/380-10-25



As part of our program for continuous improvement, Camfil reserves the right to change specifications without notice.

CITY M Air Purifier



Advantages

- Healthier employees
- Less cleaning
- Less asthma and allergy suffering
- Reduced environmental impact
- Less odour

Applications: Air purifier for all types of indoor environments, for example hospitals, hotels, offices, homes, schools, public environments and where high quality air purification is required.

Power supply: 200 .. 240 V

Filter: H13/Molecular

Installation: Floor

Design: Multiple colour

Average Air purification area: 75m²

Item no.	Model Name	Dimensions (WxHxDmm/Weight Kg)	Transport Dimensions (WxHxDmm/Weight Kg)	Filter included in standard version
94000047	CamCleaner CITY M (WHITE)	329x703x338/15	395X790X395/17	H13/Molecular
94000048	CamCleaner CITY M (BLACK)	329x703x338/15	395X790X395/17	H13/Molecular

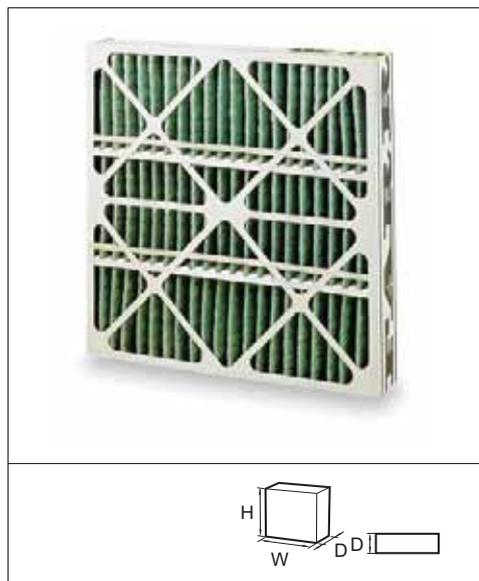
Exchange/Accessories

Item no.	Type	Filter class compliant with EN1822	Number of filters per air purifier	Comments
94000050	H13/Molecular	H13/Molecular	2	Standard
94000015	UK plug 230V			

Operating specifications

Setting	Air flow m ³ /h	Energy consumption/W	Noise level dBa	System efficiency 0,3-0,4µm (%)
1	37	4	16	>99
2	67	5	16	>99
3	94	6	16	>99
4	127	7	22	>99
5	251	19	38	>99
6	433	55	53	>99

30/30 GT



Advantages

- High mechanical strength
- Rigid, reinforced water resistant cardboard frame
- Large media surface
- Unique radial pleat design
- Bonded into case to eliminate air bypass
- Compact

Application: Suitable for most areas.

Type: Panel filter.

Media: Cotton / Synthetic.

Frame: Rigid water resistant card board.

EN779:2012 efficiency: G4.

ASHRAE 52.2.2007 filter class: MERV 8.

Recommended final pressure drop: 250 Pa / 1.0"wg.

Temperature: 70° C / 158° F max. operating temperature.

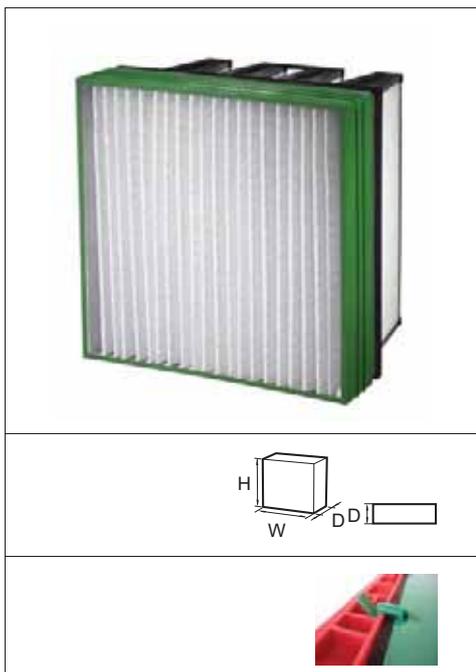
Additional information: Different clips available for mounting combinations with other filters.



Model Name	Filter class	Width	Height	Depth	Air Flow m³/h	Pressure drop	Media area m²	Volume m³	Weight kg
30/30 GT	G4	592	592	95	3400	68	2,5	0,04	0,5

As part of our program for continuous improvement, Camfil reserves the right to change specifications without notice.

CamClose



Advantages

- New improved clip design
- Optimal coalescing performance
- Pre-filter for extended service intervals
- Downstream pleat separators
- Can be fitted directly to a final filter
- High strength ABS frame

Application: For humid conditions, ideal for tropical or coastal installations.

Type: Panel filter.

Frame: Injection moulded plastic with integrated clip-on design.

Media: Synthetic, wire backed (G4) or Pleated glass fiber (M6).

EN779:2012 efficiency: G4, M6.

ASHRAE 52.2.2007 filter class: MERV 7, MERV 11/12.

Recommended final pressure drop: 400 Pa / 1.6"wg.

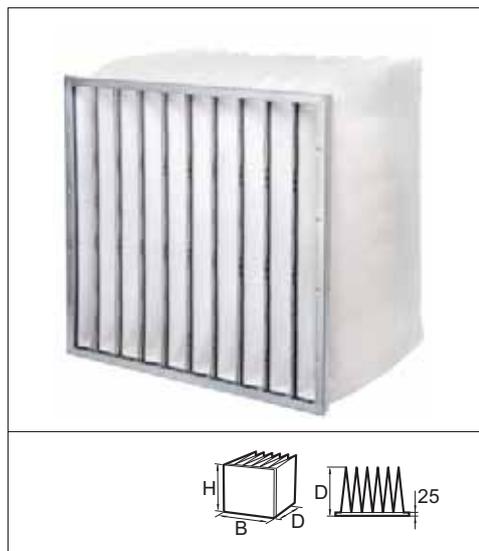
Temperature: 70° C / 158° F max. operating temperature.

Additional information: External dimensions 598x604x129 excl. gasket.



Model	Filter class	Width	Height	Depth	Air Flow m³/h	Pressure drop	Media area m²	Volume m³	Weight kg
Compact	G4	592	592	96	3400	50	2,6	0,06	2,5
Standard	G4	592	592	129	3400	50	2,6	0,06	2,5
Standard	M6	592	592	129	3400	78	13,0	0,06	4,3

Cam-Flo XMGT



Advantages

- Non discharging synthetic media
- Maximum surface use
- High mechanical strength
- Incinerable bags
- High dust holding capacity= long life
- Recommended choice for pre-filtration

Application: Installations exposed to turbulence and harsh environments.

Type: Bag filter

Frame: Galvanized steel

Media: Synthetic fiber

EN779:2012 filter class: M6, F7, F9

ASHRAE 52.2.2007 filter class: MERV 12, 13, 15

Recommended final pressure drop: 450 Pa / 1.8"wg.

Temperature: 70° C/ 160° F max.operating temperature.

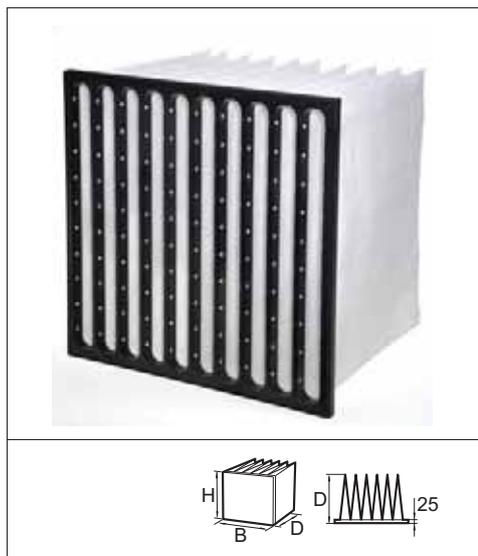


Model Name	Filter class	Width	Height	Depth	AirFlow m³/h	Pressure drop	Number of pockets	Media area m²	Volume m³	Weight kg	Initiaeff. %	ME %*	Energy class*	kWh/year*
XMGT	M6	592	592	640	4250	92	10	7,5	0,06	3,00	26,0	21,0	C	1 047
XMGT	F7	592	592	640	4250	103	10	7,5	0,06	3,00	60,0	58,0	A	1 120
XMGT	F9	592	592	640	4250	196	10	7,5	0,06	3,00	72,0	71,0	A	1 317

* ME%: Minimum efficiency ref. to EN779:2012
 * Energy Consumption, kWh/year: Calculated according to Eurovent Guideline 4/11
 * Energy class: Calculated according to Eurovent

As part of our program for continuous improvement, Camfil reserves the right to change specifications without notice.

Cam-Flo XLGT



Advantages

- Non discharging synthetic media
- Maximum surface use
- High mechanical strength
- Incinerable bags
- High dust holding capacity = Long life
- Recommended choice for pre-filtration

Application: Installations exposed to turbulence and harsh environments.

TypeType: Bag filter.

Frame: Plastic.

Media: Synthetic multi layer media.

Gasket: Continous PU or Neoprene.

EN779:2012 efficiency: M6

ASHRAE 52.2.2007 filter class: Eq. to MERV 12

Recommended final pressure drop: 450 Pa / 1.8"wg.

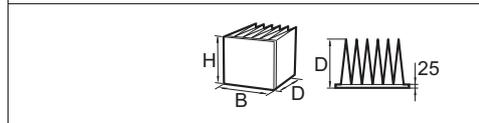
Temperature: 70° C / 158° F max. operating temperature.



Model	Filter class	Width	Height	Depth	AirFlow m ³ /h	Pressure drop	Number of pockets	Media area m ²	Volume m ³	Weight kg	Initiabff. %	ME %*	Energy class*	kWh/year*
XLGT	M6	592	592	640	4250	92	10	7,5	0,06	3,00	26	21,0	C	1 047

* ME%: Minimum efficiency ref. to EN779:2012
 * Energy Consumption, kWh/year: Calculated according to Eurovent Guideline 4/11
 * Energy class: Calculated according to Eurovent

Cam-Flo GT X7



Advantages

- Non discharging synthetic media
- Maximum surface use
- High mechanical strength
- Incinerable bags
- High dust holding capacity
- Designed for high velocity applications
- Solid frame in stainless steel

Application: High velocity applications 5500-7200m³/h.

Type: Bag filter.

Media: Synthetic.

Frame: Stainless steel EN1.4016 / AISI 430 Galvanized steel.

Header: 25 mm.

EN779:2012 efficiency: F7@4250 m³/h, M6@7200 m³/h.

ASHRAE 52.2.2007 filter class: MERV 14.

Recommended final pressure drop: 875 Pa / 3.5"wg.

Temperature: 70° C / 158° F max. operating temperature.

Other information: Other sizes and variants on request.

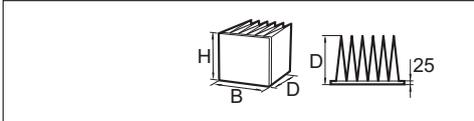


Model	Filterclass	Width	Height	Depth	AirFlowm ³ /h	Pressure drop	Number of pockets	Media area m ²	Volume m ³	Weight kg	Initialeff.%	ME %*
GT X7	F7	618	577	600	4250	103	10	7,2	0,90	5,5	52	45,0

* ME%: Minimum efficiency ref. to EN779:2012

As part of our program for continuous improvement, Camfil reserves the right to change specifications without notice.

CamGuard



Advantages

- Allows on-line filter replacement
- Extends filter life
- Reduced overall TCO
- Solid frame in stainless steel

Application: High velocity air inlet systems. Typical coastal and offshore environments.

Type: Bag filter.

Frame: Stainless steel EN1.4301 / AISI 304.

Header: 20 mm

Media: Synthetic.

EN779:2012 efficiency: G4.

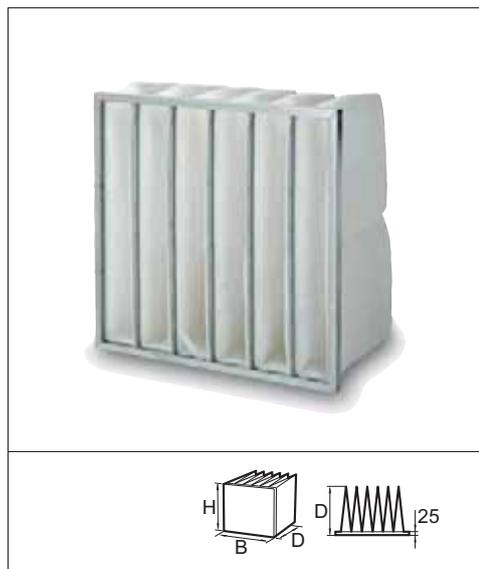
ASHRAE 52.2.2007 filter class: MERV 7.

Temperature: 70° C / 158° F max. operating temperature.

Other information: Designed for use in combination with Cam-Flo GT X7

Width	Height	Depth	Media Area m ²
618	577	630	1,7

Hi-Cap GT



Advantages

- High dust holding capacity
- Resistant media
- Tapered pockets
- Low pressure drop
- Incinerable bags

Application: Installations exposed to turbulence and/or recurrent high humidity.

Type: Bag filter.

Frame: Injection moulded plastic (XLS & XLT) or Galvanized steel (HC-66).

Media: Synthetic.

Gasket: Continuous PU or Neoprene.

EN779:2012 efficiency: G4.

ASHRAE 52.2.2007 filter class: MERV 7.

Recommended final pressure drop: 250 Pa / 1.0"wg.

Temperature: 70° C / 158° F max. operating temperature.

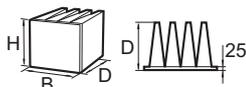


Model Name	Filter Class	Weight	Height	Depth	Air Flow m ³ /h	Pressure drop	Number of pockets	Media area m ²	Volume m ³	Weight kg
HC-66	G4	592	592	360	3400	40	6	2,7	0,060	1,7
XLT	G4	490	490	370	3400	35	8	2,9	0,060	1,2
XLS4	G4	592	592	370	3400	40	6	2,7	0,060	1,0
*G4	G4	592	592	195	3400	45	8	1,8	0,060	1,6
*XLS4	G4	592	592	520	3400	35	6	3,7	0,060	1,2
*G4	G4	592	592	580	3400	35	6	4,0	0,060	2,0

*Dimensions on request

As part of our program for continuous improvement, Camfil reserves the right to change specifications without notice.

CamGT 3V-600



Advantages

- Lowest air resistance (dP) for optimal economy
- Ensures water drainage
- High filtration efficiency
- Low air resistance also in wet conditions
- Solid HEPA frame eliminates air bypass
- Resistant to high and extreme pressure drops
- Designed for all environments
- Most reliable filter on the market

Application: All installations where safety/reliability is crucial in combination with low air resistance.

Type: Compact pleated filter.

Frame: Injection moulded plastic.

Header: 25 mm

Media: Glass fiber.

EN779:2012 efficiency: F8- F9.

EN1822:2009 efficiency: E10- E12, H13.

ASHRAE 52.2:1999 filter class: MERV 14-16.

Recommended final pressure drop: 600 Pa / 2.4"wg.

(Recommended final pressure drop for most economical change point is normally lower than 600 Pa).

Temperature: 70° C / 158° F max. operating temperature.

Burst strength: > 6 250 Pa continuous wet/soaked

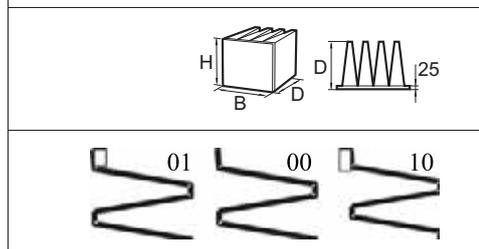
Additional information: Reverse flow with metal support grid available on request.



Model	Filter class	Width	Height	Depth	AirFlowm³/h	Pressure drop	Mediaaream²	VoluVolume me m³	Weight kg	Initial eff. %	MPPS %	ME%*
Std	F8	592	592	600	4250	100	41	0,22	15	67		67
Std	F9	592	592	600	4250	115	38	0,22	15	82		82
Std	E10	592	592	600	4250	135	45	0,22	16		94,88	
Std	E11	592	592	600	4250	140	48	0,22	16		96,95	
Std	E12	592	592	600	4250	190	50	0,22	17		>99,5	
Std	H13	592	592	600	4250	240	50	0,22	17		>99,9	

* ME%: Minimum efficiency ref. to EN779:2012

CamGT 4V-300



Advantages

- Ensures water drainage
- High filtration efficiency
- Low pressure drop also in wet conditions
- Resistant to turbulence and extreme pressure drop
- Easy mounting
- Meets the industry's latest and most stringent requirements
- Water resistant media

Application: All installations where safety/reliability is important.

Type: Compact pleated filter.

Frame: Injection moulded plastic.

Media: Pleated water resistant glass fiber media.

EN779:2012 efficiency: F7 - F9.

EN1822:2009 efficiency: E10 - E12, H13.

ASHRAE 52.2:1999 filter class: MERV 13-16.

Recommended final pressure drop: 600 Pa / 2.4"wg.

(Recommended final pressure drop for most economical change point is normally lower than 600 Pa).

Temperature: 70° C / 158° F max. operating temperature.

Fire rating: Also available with DIN4102 class b2 rating on request.

Burst strength: >6250 Pa in continuous operation.

Additional information: Also available in Reverse flow version, half size version and 3/4 size version on request

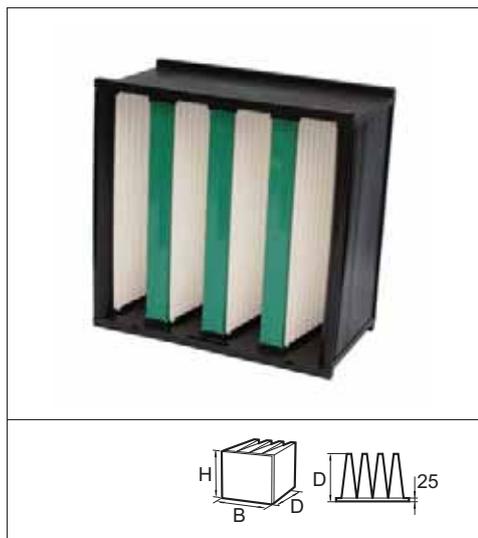


Model	Filter class	Width	Height	Depth	AirFlowm³/h	Pressure drop	Mediaaream²	Volume m³	Weight kg	Initial eff. %	MPPS %	ME %*
Std	F7	592	592	290	4250	120	19	0,11	8	55		55,0
XL	F7	592	592	290	4250	112	26	0,11	8,5	55		55,0
Std	F8	592	592	290	4250	130	19	0,11	8	70		70,0
XL	F8	592	592	290	4250	119	26	0,11	8,5	70		70,0
Std	F9	592	592	290	4250	163	19	0,11	8	81		81,0
XL	F9	592	592	290	4250	152	26	0,11	8,5	81		81,0
Std	E10	592	592	290	4250	196	29	0,11	8,5		93	
Std	E11	592	592	290	4250	215	29	0,11	8,5		95,3	
Std	E12	592	592	290	4250	300	30	0,11	9,0		99,5	
Std	H13	592	592	290	3400	290	30	0,11	9,0		99,95	

* ME%: Minimum efficiency ref. to EN779:2012

As part of our program for continuous improvement, Camfil reserves the right to change specifications without notice.

CamGT Box Type Green II



Advantages

- Ensures water drainage
- High filtration efficiency
- Low pressure drop also in wet conditions
- Resistant to turbulence and high pressure drop
- Easy mounting
- Water resistant media

Application: All installations where safety/reliability is important.

Type: Compact pleated filter.

Frame: Injection moulded plastic.

Header: 25 mm.

Media: Pleated water resistant glass fiber media.

EN779:2012 efficiency: F7 - F9.

EN1822:2009 efficiency: E10

ASHRAE 52.2.2007 filter class: MERV 13 -16.

Recommended final pressure drop: 600 Pa / 2.4"wg.

Temperature: 70° C / 158° F max. operating temperature.

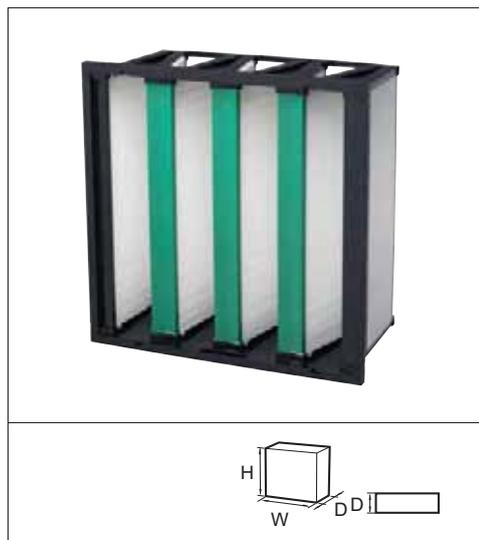
Additional information: Profile placed at 292 mm depth for clamping, i.e for fastener spring type C-80.



Model	Filter class	Width	Height	Depth**	AirFlowm ³ /h	Pressure drop	Media area m ²	Volume m ³	Weight kg	Initial eff. %	MPPS %	ME %*
Std	F7	592	592	315	4250	116	19	0,11	7,6	60		60
Std	F8	592	592	315	4250	141	19	0,11	7,6	72		72
Std	F9	592	592	315	4250	148	19	0,11	7,6	81		81
Std	E10	592	592	315	4250	214	19	0,11	7,6	88		88
XL	F7	592	592	315			22	0,11	7,6	60		60
XL	F8	592	592	315			22	0,11	7,6	72		72
XL	F9	592	592	315			22	0,11	7,6	81		81
XL	E10	592	592	315			22	0,11	7,6		88	

* ME%: Minimum efficiency ref. to EN779:2012

Opakfil GT/GTX



Advantages

- Low pressure drop
- Large filter area
- Easy mounting
- 100% incinerable
- Heavy duty construction
- Aerodynamic construction

Application: For dry areas, where high humidity and hygroscopic dust are less occurring.

Type: Compact pleated filter.

Frame: Injection moulded plastic.

Header: GT header 25 mm, GTX 20 mm

Media: Pleated water repellent glass fiber media.

EN779:2012 efficiency: F7 - F9

EN1822:2009 efficiency: E10

ASHRAE 52.2.2007 filter class: MERV 13 - 16

Recommended final pressure drop: 450 Pa / 1.8 "wg
(Max. 600 Pa/2.4 "wg), suggested economical change Point 350 Pa

Temperature: 70° C / 158° F max. operating temperature

Additional information: Two versions available: Standard, with two nets on down side, Premium; with nets on down stream side

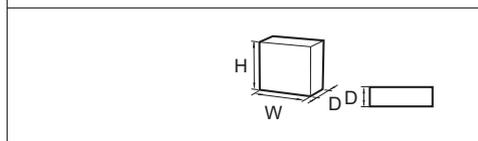


Model	Filter class	Width	Height	Depth	AirFlowm³/h	Pressure drop	Mediaaream²	Volume m³	Weight kg	Initial eff. %	MPPS %	ME %*
GT	F7	592	592	292	4250	110	19	0,11	7,0	52		52,0
GT	F8	592	592	292	4250	114	19	0,11	7,0	59		58,0
GT	F9	592	592	292	4250	153	19	0,11	7,0	80		80,0
GT	E10	592	592	292	4250	230	19	0,11	7,0		87	
GTX	F7	592	592	315	4250	100	19	0,11	7,0	52		52,0
GTX	F8	592	592	315	4250	130	19	0,11	7,0	59		58,0
GTX	F9	592	592	315	4250	160	19	0,11	7,0	80		80,0
GTX	E10	592	592	315	4250	230	19	0,11	7,0		87	

* ME%: Minimum efficiency ref. to EN779:2012

As part of our program for continuous improvement, Camfil reserves the right to change specifications without notice.

Turbopac



Advantages

- Flanges on one or both sides
- Media pack protected by face guards
- Rigid design
- Water repellent media
- High dust holding capacity = long life

Application: For most gas turbine applications.

Type: Compact pleated filter.

Frame: Galvanized steel.

Media: Water repellent glass fiber.

Construction: Deep pleated with aluminum separators.

EN779:2012 efficiency: M6, F8, F9.

ASHRAE 52.2.2007 filter class: MERV 12, 14, 15.

Recommended final pressure drop: 450 Pa / 1.8"wg.

Temperature: 70° C / 158° F max. operating temperature.

Model	Filter class	Width	Height	Depth	Air Flow m ³ /h	Pressure drop	Media area m ²	Volume m ³	Weight kg	Initial eff. %	ME %*
60 std	M6	592	592	292	4250	137	10,8	0,10	8,2	30	30
60 XL	M6	592	592	292			13,9	0,10	8,2	30	30
90 std	F8	592	592	292	4250	226	10,8	0,10	8,2	68	66
90 XL	F8	592	592	292			13,9	0,10	8,2	68	66
95 XL	F9	594	594	295			16,1	0,10	8,7	72	71

* ME%: Minimum efficiency ref. to EN779:2012

Campulse GTC



Advantages

- Patented HemiPleat™ technology- proven open pleat solution
- New synthetic media
- Non discharging F9
- Water resistant media
- Improved dust release
- 2 in 1 package - saves space & money
- Optimal ability to handle daily fog and humidity
- Helicord design for efficient pulse cleaning

Application: For humid/dry/ heavy dust load areas.

Type: Single stage pulse cleaning cartridges.

End caps: Galvanized (standard), stainless steel (AISI304 / 316) or powder coated.

Media: Synthetic.

Liners: External helical cords and internal screen secure the filter element from movement without obstruction to the pulse.

Gasket: Seamless

EN779:2012 efficiency: F9.

ASHRAE 52.2.2007 filter class: MERV 16.

Other test information: Tested according to ARAMCO spec. 32-SAMSS-008.

Temperature: 71° C / 160° F max. operating temperature.

Additional information: Our recommended choice for one-stage self cleaning air intake systems. Also available in other sizes and/or in Tenkay version.



Model	Pleat	Length 1	Diameter 1	Length 2	Diameter 2	Filter class	AirFlow m³/h	Pressure drop	Media area m²	Volume m³	Weight kg	Initial eff. %	ME %*
1.CyCy	HemiPleat	660	324	660	445	F9	2500	142	34,7	0,15	12,0	75	74,0
2.CoCy	HemiPleat	660	324	660	445	F9	2500	157	34,7	0,15	12,0	75	74,0

* ME%: Minimum efficiency ref. to EN779:2012

1. CyCy = Large Cylindrical, Small cylindrical

2. CoCY= Large Conical, Small Cylindrical

As part of our program for continuous improvement, Camfil reserves the right to change specifications without notice.

Campulse GTD



Advantages

- Patented HemiPleat™ technology- proven open pleat solution
- New synthetic media
- Non discharging F9
- Improved dust release
- Water resistant media
- 2 in 1 package - saves space & money
- Helicord design for efficient pulse cleaning

Application: For desert/dry/ heavy dust load areas.

Type: Single stage pulse cleaning cartridges.

End caps: Galvanized (standard), stainless steel (AISI304 / 316) or powder coated.

Media: Synthetic.

Liners: External helical cords and internal screen secure the filter element from movement without obstruction to the pulse.

Gasket: Seamless.

EN779:2012 efficiency: F9.

ASHRAE 52.2.2007 filter class: MERV 16.

Other test information: Tested according to ARAMCO spec. 32-SAMSS-008.

Temperature: 71° C / 160° F max. operating temperature.

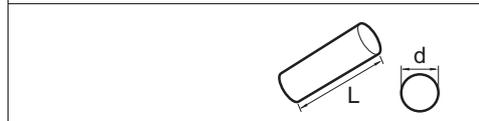
Additional information: Available in other sizes on request, also available in Tenkay design.



Model	Pleat	Filter class	Length 1	Diameter 1	Length 2	Diameter 2	AirFlow m³/h	Pressure drop	Media area m²	Volume m³	Weight kg	Initial eff. %	ME %*
1.CyCy	HemiPleat	F9	660	324	660	445	2500	160	34,7	0,15	12,0	88	75,0
2.CoCy	HemiPleat	F9	660	324	660	445	2500	175	34,7	0,15	12,0	88	75,0

* ME%: Minimum efficiency ref. to EN779:2012
 1. CyCy = Large Cylindrical, Small cylindrical
 2. CoCY= Large Conical, Small Cylindrical

CamPulse GT Polytech HE



Advantages

- Patented HemiPleat™ technology- proven open pleat solution
- Water repellent media protected by metal liners
- 2 in 1 package- saves space & money
- Self-cleaning air filter cartridges
- Improved air distribution
- Suitable also in high humidity conditions
- Helicord design for efficient pulse cleaning

Application: For desert/dry/ heavy dust load areas.

Type: Single stage pulse cleaning cartridges.

End caps: Galvanized (standard), stainless steel (AISI304 / 316) or powder coated

Media: PolyTech

Liners: External helical cords and internal screen secure the filter element from movement without obstruction to the pulse

EN779:2012 efficiency: M6

ASHRAE 52.2.2007 filter class:

Temperature: 70° C / 158° F max. operating temperature.



Model	Pleat	Filter class	Length 1	Diameter 1	Length 2	Diameter 2	AirFlow m³/h	Pressure drop	Media area m²	Volume m³	Weight kg	Initial eff. %	ME %*
*CyCy	HemiPleat	M6	660	324	660	445	3000		14/21	0,15	12,8		
**CoCy	HemiPleat	M6	660	324	660	445	3000		14/21	0,24	12,8		

* CyCy = Large Cylindrical, Small cylindrical
 **CoCy= Large Conical, Small Cylindrical

As part of our program for continuous improvement, Camfil reserves the right to change specifications without notice.

Campulse EF



Advantages

- Self-cleaning air filter cartridges
- High filtration efficiency
- Effective dust holding capacity
- Built-in structural strength
- Galvanized metal finish
- Media protected by metal liners on both sides

Application: Desert and arctic environments.

Type: Single stage pulse cleaning cartridges.

Caps: Galvanized (standard), stainless steel (AISI304 / 316) or powder coated.

Media: Synthetic.

Holding frames: Various on request.

EN779:2012 efficiency: M6.

ASHRAE 52.2.2007 filter class:

Temperature: 70° C / 158° F max. operating temperature.

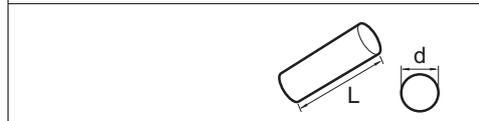
Fire rating: Available according to DIN 4102-b2.



Model	Pleat	Filter class	Length 1	Diameter 1	Length 2	Diameter 2	AirFlow m ³ /h	Pressure drop	Media area m ²	Volume m ³	Weight kg	Initial eff. %	ME %*
CoCy	Dimple	M6	660	324	660	445	2500	190	46	0,24	13,5	15	15,0

* ME%: Minimum efficiency ref. to EN779:2012

Tenkay GTC/GTD/PolyTech HE



Advantages

- Self-cleaning air filter cartridges
- State-of-the art pleat spacing
- Galvanized metal finish
- Water repellent media protected by metal liners
- Improved air distribution
- Available in 4 different media grades
- Suitable also in high humidity conditions

Application: For desert/dry/ heavy dust load areas

Type: Single stage pulse cleaning cartridges

Caps: Galvanized steel, optional material

Media: Synthetic

EN779:2012 efficiency: F7, F9

ASHRAE 52.2.2007 filter class: GTC/GTD MERV 15, PolyTech MERV 16

Temperature: 71° C / 160° F max. operating temperature

Model Name	Filter class	Model	Pleat	Width	Height	Depth	Air Flow	Pressure drop	Media area	Volume m ³	Weight kg	Initial eff. %	ME %*
Tenkay GTC	F9	Standard 34"	HemiPleat	362	864	406	1150	115	16,5	0,14	8,6	75	74
Tenkay GTC	F9	GoldCone 34"	Hemipleat	362	864	406	1150	160	22,7	0,14	9,5	75	74
Tenkay GTD	F9	Standard 34"	HemiPleat	362	864	406	1150	145	16,5	0,14	8,6	88	75
Tenkay GTD	F9	GoldCone 34"	HemiPleat	362	864	406	1150	180	22,7	0,15	9,5	88	75
Tenkay PolyTech	F7	Standard 34"	HemiPleat	362	864	406	1150	147	16,5	0,14	8,6	94	35
Tenkay PolyTech	F7	GoldCone 34"	HemiPleat	362	864	406	1150	182	22,7	0,14	9,5	94	35

* ME%: Minimum efficiency ref. to EN779:2012

As part of our program for continuous improvement, Camfil reserves the right to change specifications without notice.

Campulse GTD



Advantages

- Water and salt resistant filter
- Non discharging EPA filter
- Optimized Sandwich construction for long life
- EPA Ultra high efficient membrane media
- 2 in 1 package - saves space & money
- Patented HemiPleat™ technology- proven open pleat solution

Application: For desert/dry/ heavy dust load areas

Type: Single stage pulse cleaning cartridges

End caps: Galvanized (standard), stainless steel (AISI304 / 316) or powder coated.

Media: Membrane

EN1822 filter class: E11

ASHRAE 52.2.2007 filter class: MERV 16

Recommended final pressure drop:

Temperature: 71°C / 160° F operating



Model	Pleat	Filter class	Length 1	Diameter 1	Length 2	Diameter 2	Air Flow m³/h	Pressure drop	Media area m²	Volume m³	Weight kg
CamPulse CamBrane	Hemipleat	E11	660	324	660	445	2500	140	34,7	0,15	12
Tenkay CamBrane	Hemipleat	E11	864	362			1150	140	34,7	0,15	12



Farr Gold Series®



Advantages

- High collector efficiency using HemiPleat cartridges
- Modular design for optimum flexibility
- Customised for Original Equipment Manufacturers (OEM)
- Easy to install and maintain
- Simple cartridge replacement using quick release cam bars
- Up to 25% smaller

Application: The Farr Gold Series® cartridge dust and fume collectors may be used for a wide range of pollution control and product recovery applications including: Blasting, Chemical Processing, Pharmaceutical Manufacturing Processes, Fiberglass and FRP, Food Processing, Laser/Plasma Cutting, Paper Scrap, Rubber Grinding, Seed Processing, Mining, Thermal Spray and more. Contact Camfil for more information.

Type: Pulse cleaning, cartridge based dust collector with high performance filter elements. Cleaning is accomplished by pulse waves that emanate from the centre of the filter providing enhanced cleaning for a more efficient operation.

Options: A wide variety of options are available including: Explosion Venting, Special Inlet Designs, BIBO (bag in-bag out) for Pharmaceutical Applications, Custom Colours, Stainless Steel Construction, Alternative Hopper Designs etc. Please contact us with your specific requirements.

Cartridges: Vertically mounted to shed dust readily for efficient cleaning and longer service life. High filtration efficiency meeting the 5 mg/m³ or less emissions required to re-circulate the air back into the work place on non hazardous dusts.

Features

- Modular design for optimum flexibility—have it your way fast!
- Each module accommodates airflows up to 8,500 m³/h
- Module constructed of 4.5mm thick carbon steel
- Door, hopper, inlet and panels are all 3.4mm thick
- Powder painted for unsurpassed corrosion resistance
- Component configurations are virtually unlimited
- Vertical design of cartridges enables efficient pulse cleaning of dust

Farr Gold Series® Camtain®



Advantages

- Designed specifically for pharmaceutical and containment applications
- Bag-in/bag-out safe change options available.
- High collector efficiency using HemiPleat cartridges
- Modular design for optimum flexibility
- Customised for Original Equipment Manufacturers (OEM)
- Easy to install and maintain
- Simple cartridge replacement using quick release cam bars
- Up to 25% smaller

Application: The Farr Gold Series® Camtain® is used in a wide range of pharmaceutical applications including tablet presses, coating, fluid bed and spray drying, blending, granulation and general ventilation. Contact Camfil for more information.

Type: Pulse cleaning, cartridge based dust collector with high performance filter elements. Cleaning is accomplished by pulse waves that emanate from the centre of the filter providing enhanced cleaning for a more efficient operation.

Options: A wide variety of options are available including: BIBO (bag in-bag out) for Pharmaceutical Applications, Explosion Venting, Special Inlet Designs, Custom Colours, Stainless Steel Construction, Alternative Hopper Designs etc. Please contact us with your specific requirements.

Cartridges: Vertically mounted to shed dust readily for efficient cleaning and longer service life. High filtration efficiency meeting the 5 mg/m³ or less emissions required to re-circulate the air back into the work place on non hazardous dusts.



Features

- Safe-change containment systems are available for both the filter cartridges and discharge system underneath the collector.
- The cartridge change utilizes the safe change filter replacement method while the discharge uses continuous liner technology.
- The Farr Gold Series Camtain is perfect for high efficiency filtration in pharmaceutical manufacturing processes where recovery of the product is not required.
- The only dust collector that is potent compound surrogate tested for validated performance verification. Test report available upon request.

Zephyr III™ Portables



Advantages

- Ideal for industrial process contamination, source capture, and for plants requiring periodic dust collection at various locations.
- Complete unit- plug it in and start collecting dust and fumes.
- The only thing you need to supply is the electrical feed and compressed air line.

Application: The Zephyr III is a portable air cleaner for capturing welding fumes, grinding dusts, dry dusts, and soldering fumes, and other airborne particles. Not suitable for explosive dusts & solvent fumes.

Features

- Roll out dust drawer
- Quick clamp cartridge sealing/removal
- Exterior arm adjustments
- Heavy duty fume arm is obstruction free inside
- Easy, 360° hood positioning
- 1200 m³/h at the capture hood
- Three stage filtration: Primary spark trap, Gold Cone® HemiPleat® and Carbon after filter for ozone only
- Large wheels with swivels and brakes for ease in moving and positioning
- Tough powder coated surface finish inside and outside
- Venturi assisted pulse cleaning, manually activated
- Dust drawer grid minimizes dust re-entrainment
- Thermal overload in motor starter switch
- 7.5 m extension cord
- The only thing you need to supply is the electrical feed and compressed air line



HemiPleat® Gold Cone®



Advantages

- Original spare for Farr Gold Series® dust collectors
- Vertically integrated cartridge for better dust release and ease of removal and installation
- Excellent energy saving performance
- Extended Filter Life
- High Filtration Efficiency
- Pour in place one piece double gasket

Application: Air Pollution Control filter cartridge to collect dust, fumes and/or oil mist in many different industrial applications and processes

Separator: HemiPleat Separator Technology

Sealant: Polyurethane

Temperature max: 70°C Operating

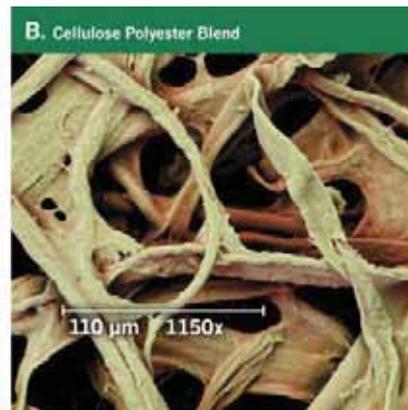
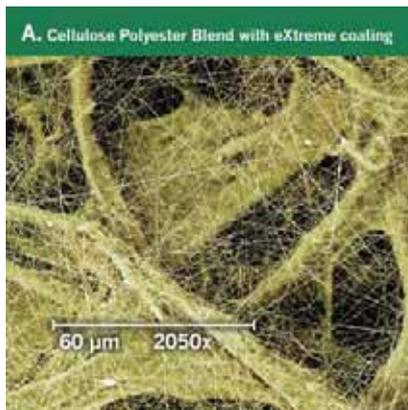
Test Standard: DIN EN 60335-2-69:2010

Holding Frame: Internal GV support cage

Gasket: Pour in place PU one piece gasket

Filter Class: M

Art. No.	Model Name	Media Type	Dimensions (H) mm	Media Area m ²	Weight kg
325325-001	GS-GR-325	Standard Green	990	30.20	15
325325-002	GS-FR-325	Fire Retardant	990	30.20	15
325325-003	GS-CB-325	Carbon Impregnated	990	30.20	15
325325-004	GS-XG-325	eXtreme Green	990	30.20	15
325325-005	GS-XF-325	eXtreme Fire Retardant	990	30.20	15
325325-006	GS-XC-325	eXtreme Carbon Impregnated	990	30.20	15
325325-007	GS-SY-325	Synthetic	990	30.20	15
325325-008	GS-XS-325	eXtreme Synthetic	990	30.20	15



As part of our program for continuous improvement, Camfil reserves the right to change specifications without notice.

Filter Cartridges

Camfil APC Retrofit Cartridges	HemiPleat Media	Art. No.	Model Name
Wheelabrator 26" WCC L 660 mm • Øo 324 mm • Øi 213 mm Open top w/ mounting plate, Closed bottom, Internal metal cage, External helical cord wrap	Standard Green	213613-001	HMPWB26-135-MP
	Carbon Impregnated	213613-002	HMPWB26C-135-MP
	Fire Retardant	213613-003	HMPWB26F-135-MP
	eXtreme Fire Retardant	213613-006	HMPWB26XFR-135-MP
	eXtreme Green	213613-007	HMPWB26XST-135-MP
	Synthetic	213613-009	HMPWB26SY-135-MP
	eXtreme Synthetic	213613-010	HMPWB26XSY-135-MP
	Standard Green	213540-001	HMPWB35-182-MP
	Carbon Impregnated	213540-002	HMPWB35C-182-MP
	Fire Retardant	213540-003	HMPWB35F-182-MP
Wheelabrator 36" WCC L 914 mm • Øo 324 mm • Øi 213 mm Open top w/ mounting plate, Closed bottom, Internal metal cage, External helical cord wrap	eXtreme Fire Retardant	213540-006	HMPWB35XFR-182-MP
	eXtreme Green	213540-007	HMPWB35XST-182-MP
	Synthetic	213540-009	HMPWB35SY-182-MP
	eXtreme Synthetic	213540-010	HMPWB35XSY-182-MP

As part of our program for continuous improvement, Camfil reserves the right to change specifications without notice.

Camfil information

Pre-Filtration
Class G2 to G4

Bag and Compact Filters,
Class M5 to F9

HEPA / ULPA Filters
Class E10 to U17

Molecular Filtration

Filter Frames and Housings

DuraPleat DPJ 145



Advantages

- Camfil Pleat Separator Technology
- Low Pressure Drop
- Extended Filter Life
- High Filtration Efficiency
- 100% spun bond polyester
- Pour in place one piece gasket
- Broad design portfolio

Application: Air Pollution Control filter cartridge to collect dust, fumes and/or oil mist in many different industrial applications and processes

Separator: Hot Melt Separator Technology

Sealant: Polyurethane (2 - K - Sealant)

Temperature max: 80 °C - (optional 120°C)

Test Standard: DIN EN 60335-2-69:2010

Holding Frame: Perforated inner Core GV (optional Stainless steel)

Gasket: Pour in place PU one piece gasket

Filter Class: M

Options: PA6 flange, 4-lug design

Art. No.	Model Name	Dimensions (H) mm	Media Area (m ²)
7903013	DPPJ-ML-0145/0025/0300-01-P0-B-00	300	1,10
7903025	DPAJ-ML-0145/0025/0300-01-P0-B-00	300	1,10
7903039	DPMJ-ML-0145/0025/0300-01-P0-B-00	300	1,10
7903014	DPPJ-ML-0145/0025/0600-02-P0-B-00	600	2,10
7903026	DPAJ-ML-0145/0025/0600-02-P0-B-00	600	2,10
7903040	DPMJ-ML-0145/0025/0600-02-P0-B-00	600	2,10
7903015	DPPJ-ML-0145/0025/1000-03-P0-B-00	1000	3,50
7903027	DPAJ-ML-0145/0025/1000-03-P0-B-00	1000	3,50
7903041	DPMJ-ML-0145/0025/1000-03-P0-B-00	1000	3,50
7903016	DPPJ-ML-0145/0025/1200-04-P0-B-00	1200	4,20
7903028	DPAJ-ML-0145/0025/1200-04-P0-B-00	1200	4,20
7903042	DPMJ-ML-0145/0025/1200-04-P0-B-00	1200	4,20

DuraPleat DPJ 156



Advantages

- Camfil Pleat Separator Technology
- Low Pressure Drop
- Extended Filter Life
- High Filtration Efficiency
- 100% spun bond polyester
- Pour in place one piece gasket
- Broad design portfolio

Application: Air Pollution Control filter cartridge to collect dust, fumes and/or oil mist in many different industrial applications and processes

Separator: Hot Melt Separator Technology

Sealant: Polyurethane (2 - K - Sealant)

Temperature max: 80 °C - (optional 120°C)

Test Standard: DIN EN 60335-2-69:2010

Holding Frame: Perforated inner Core GV (optional Stainless steel)

Gasket: Pour in place PU one piece gasket

Filter Class: M

Options: PA6 flange, 4-lug design

Art. No.	Model Name	Dimensions (H) mm	Media Area (m ²)
7903017	DPPJ-ML-0156/0030/0300-01-P0-B-00	300	1,10
7903029	DPAJ-ML-0156/0030/0300-01-P0-B-00	300	1,10
7903043	DPMJ-ML-0156/0025/0300-01-P0-B-00	300	1,10
7903018	DPPJ-ML-0156/0030/0600-02-P0-B-00	600	2,20
7903030	DPAJ-ML-0156/0030/0600-02-P0-B-00	600	2,20
7903044	DPMJ-ML-0156/0025/0600-02-P0-B-00	600	2,20
7903019	DPPJ-ML-0156/0030/1000-03-P0-B-00	1000	3,60
7903031	DPAJ-ML-0156/0030/1000-03-P0-B-00	1000	3,60
7903045	DPMJ-ML-0156/0025/1000-03-P0-B-00	1000	3,60
7903020	DPPJ-ML-0156/0030/1200-04-P0-B-00	1200	4,32
7903032	DPAJ-ML-0156/0030/1200-04-P0-B-00	1200	4,32
7903046	DPMJ-ML-0156/0025/1200-04-P0-B-00	1200	4,32

DuraPleat DPJ 218



Advantages

- Camfil Pleat Separator Technology
- Low Pressure Drop
- Extended Filter Life
- High Filtration Efficiency
- 100% spun bond polyester
- Pour in place one piece gasket
- Broad design portfolio

Application: Air Pollution Control filter cartridge to collect dust, fumes and/or oil mist in many different industrial applications and processes

Separator: Hot Melt Separator Technology

Sealant: Polyurethane (2 - K - Sealant)

Temperature max: 80 °C - (optional 120°C)

Test Standard: DIN EN 60335-2-69:2010

Holding Frame: Perforated inner Core GV (optional Stainless steel)

Gasket: Pour in place PU one piece gasket

Filter Class: M

Options: PA6 flange, 4-lug design

Art. No.	Model Name	Dimensions (H) mm	Media Area (m ²)
7903021	DPPJ-ML-0218/0030/0300-01-P0-B-00	300	1,50
7903033	DPAJ-ML-0218/0030/0300-01-P0-B-00	300	1,50
7903047	DPMJ-ML-0218/0030/0300-01-P0-B-00	300	1,50
7903022	DPPJ-ML-0218/0030/0600-03-P0-B-00	600	3,10
7903034	DPAJ-ML-0218/0030/0600-03-P0-B-00	600	3,10
7903048	DPMJ-ML-0218/0030/0600-03-P0-B-00	600	3,10
7903023	DPPJ-ML-0218/0030/1000-05-P0-B-00	1000	5,10
7903035	DPAJ-ML-0218/0030/1000-05-P0-B-00	1000	5,10
7903049	DPMJ-ML-0218/0030/1000-05-P0-B-00	1000	5,10
7903024	DPPJ-ML-0218/0030/1200-06-P0-B-00	1200	6,12
7903036	DPAJ-ML-0218/0030/1200-06-P0-B-00	1200	6,12
7903050	DPMJ-ML-0218/0030/1200-06-P0-B-00	1200	6,12

DuraPleat DPJ 325



Advantages

- Camfil Pleat Separator Technology
- Low Pressure Drop
- Extended Filter Life
- High Filtration Efficiency
- 100% spun bond polyester
- Pour in place one piece gasket
- Broad design portfolio

Application: Air Pollution Control filter cartridge to collect dust, fumes and/or oil mist in many different industrial applications and processes

Separator: Hot Melt Separator Technology

Sealant: Polyurethane (2 - K - Sealant)

Temperature max: 80 °C - (optional 120°C)

Test Standard: DIN EN 60335-2-69:2010

Holding Frame: Perforated inner Core GV (optional Stainless steel)

Gasket: Pour in place PU one piece gasket

Filter Class: M

Options: PA6 flange, 4-lug design

Art. No.	Model Name	Dimensions (H) mm	Media Area (m ²)
7903001	DPPJ-ML-0325/0048/0300-05-P0-B-00	300	5,00
	DPAJ-ML-0325/0048/0300-05-P0-B-00	300	5,00
7903051	DPMJ-ML-0325/0048/0300-05-P0-B-00	300	5,00
	DPOJ-ML-0325/0048/0300-05-P0-B-00	300	5,00
7903002	DPPJ-ML-0325/0048/0600-10-P0-B-00	600	10,00
7903008	DPAJ-ML-0325/0048/0600-10-P0-B-00	600	10,00
7903052	DPMJ-ML-0325/0048/0600-10-P0-B-00	600	10,00
	DPOJ-ML-0325/0048/0600-10-P0-B-00	600	10,00
7903004	DPPJ-ML-0325/0048/1000-17-P0-B-00	1000	17,00
7903010	DPAJ-ML-0325/0048/1000-17-P0-B-00	1000	17,00
7903053	DPMJ-ML-0325/0048/1000-17-P0-B-00	1000	17,00
	DPOJ-ML-0325/0048/1000-17-P0-B-00	1000	17,00
7903005	DPPJ-ML-0325/0048/1200-20-P0-B-00	1200	20,00
7903011	DPAJ-ML-0325/0048/1200-20-P0-B-00	1200	20,00
7903054	DPMJ-ML-0325/0048/1200-20-P0-B-00	1200	20,00
	DPOJ-ML-0325/0048/1200-20-P0-B-00	1200	20,00

As part of our program for continuous improvement, Camfil reserves the right to change specifications without notice.

DuraPleat DPD 325



Advantages

- Camfil Pleat Separator Technology
- Low Pressure Drop
- Extended Filter Life
- High Filtration Efficiency
- 100% spun bond polyester
- Pour in place one piece gasket
- Broad design portfolio

Application: Air Pollution Control filter cartridge to collect dust, fumes and/or oil mist in many different industrial applications and processes

Separator: Hot Melt Separator Technology

Sealant: Polyurethane (2 - K - Sealant)

Temperature max: 80 °C - (optional 120°C)

Test Standard: DIN EN 60335-2-69:2010

Holding Frame: Perforated inner Core GV (optional Stainless steel)

Gasket: Pour in place PU one piece gasket

Filter Class: M

Options: Double open end, stainless steel, hole size tensoning, outer cage.

Art. No.	Model Name	Dimensions (H) mm	Media area m ²
7901001	DPPD-ML-0325/0048/0600-10-P0-B-00	600	10,00
7901007	DPAD-ML-0325/0048/0600-10-P0-B-00	600	10,00
7901013	DPMD-ML-0325/0048/0600-10-P0-B-00	600	10,00
	DPOD-ML-0325/0048/0600-10-P0-B-00	600	10,00
7901002	DPPD-ML-0325/0048/0660-11-P0-B-00	660	11,00
7901008	DPAD-ML-0325/0048/0660-11-P0-B-00	660	11,00
7901014	DPMD-ML-0325/0048/0660-11-P0-B-00	660	11,00
	DPOD-ML-0325/0048/0660-11-P0-B-00	660	11,00
7901005	DPPD-ML-0325/0048/0750-12-P0-B-00	750	12,50
	DPAD-ML-0325/0048/0750-12-P0-B-00	750	12,50
7901015	DPMD-ML-0325/0048/0750-12-P0-B-00	750	12,50
	DPOD-ML-0325/0048/0750-12-P0-B-00	750	12,50
7901003	DPPD-ML-0325/0048/1000-17-P0-B-00	1000	17,00
7901009	DPAD-ML-0325/0048/1000-17-P0-B-00	1000	17,00
7901016	DPMD-ML-0325/0048/1000-17-P0-B-00	1000	17,00
	DPOD-ML-0325/0048/1000-17-P0-B-00	1000	17,00
7901004	DPPD-ML-0325/0048/1200-20-P0-B-00	1200	20,00
7901010	DPAD-ML-0325/0048/1200-20-P0-B-00	1200	20,00
7901017	DPMD-ML-0325/0048/1200-20-P0-B-00	1200	20,00
	DPOD-ML-0325/0048/1200-20-P0-B-00	1200	20,00
7902001	DPPD-ML-0325/0048/0600-10-P0-B-01	600	10,00
7902008	DPAD-ML-0325/0048/0600-10-P0-B-01	600	10,00
7902018	DPMD-ML-0325/0048/0600-10-P0-B-01	600	10,00
	DPOD-ML-0325/0048/0600-10-P0-B-01	600	10,00
7902002	DPPD-ML-0325/0048/0660-11-P0-B-01	660	11,00
7902009	DPAD-ML-0325/0048/0660-11-P0-B-01	660	11,00
7902019	DPMD-ML-0325/0048/0660-11-P0-B-01	660	11,00
	DPOD-ML-0325/0048/0660-11-P0-B-01	660	11,00
7902003	DPPD-ML-0325/0048/1000-17-P0-B-01	1000	17,00
7902010	DPAD-ML-0325/0048/1000-17-P0-B-01	1000	17,00
7902020	DPMD-ML-0325/0048/1000-17-P0-B-01	1000	17,00

Filter Cartridges

Art. No.	Model Name	Dimensions (H) mm	Media area m ²
	DPOD-ML-0325/0048/1000-17-P0-B-01	1000	17,00
7902004	DPPD-ML-0325/0048/1200-20-P0-B-01	1200	20,00
7902011	DPAD-ML-0325/0048/1200-20-P0-B-01	1200	20,00
7902021	DPMD-ML-0325/0048/1200-20-P0-B-01	1200	20,00
	DPOD-ML-0325/0048/1200-20-P0-B-01	1200	20,00

As part of our program for continuous improvement, Camfil reserves the right to change specifications without notice.

Camfil information

Pre-Filtration
Class G2 to G4

Bag and Compact Filters,
Class M5 to F9

HEPA / ULPA Filters
Class E10 to U17

Molecular Filtration

Filter Frames and Housings

HemiPleat® Gold Cone® Cartridge for Tenkay® Mark III & IV Collectors



Advantages

- Camfil Pleat Separator Technology
- Low Pressure drop
- Extended Filter Life
- High Filtration Efficiency
- 80/20 PolyTech™ media
- Pour in place one piece gasket
- Broad design portfolio

Application: Air Pollution Control filter cartridge to collect dust, fumes and/or oil mist in many different industrial applications and processes

Execution: Please refer to extended HemiPleat® Gold Cone® Cartridge for Tenkay® Mark III & IV Collectors data sheet

Temperature max: 70°C Operating

Holding Frame: Internal GV support cage

Efficiency: 99.99% on 0.5 micron and larger particles by weight

Filter Class: M, in accordance to independent test to DIN EN 60335-2-69:2010 for HemiPleat Extreme Media

Gasket: Pour in place one piece gasket

Separator: HemiPleat Separator Technology

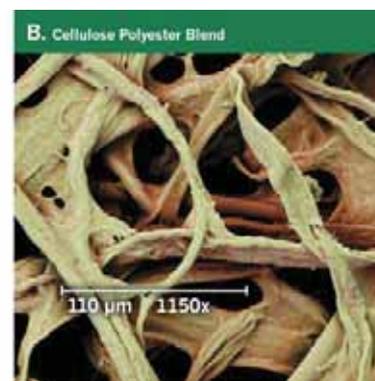
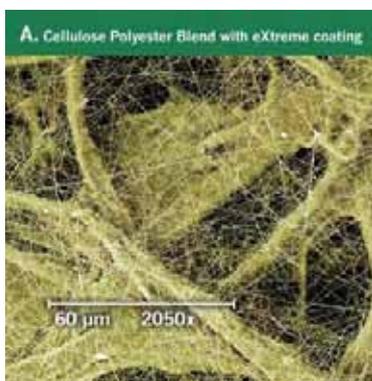
Sealant: Polyurethane

Filter Series	HemiPleat Media	Art. No.	Model No.
HemiPleat Gold Cone for Tenkay Mark III L 686 mm • Ø 324 mm	Standard Green	211922-001	TK-GR-197-27"L-GC
	Carbon Impregnated	211922-002	TK-FR-197-27"L-GC
	Fire Retardant	211922-003	TK-CB-197-27"L-GC
	eXtreme Fire Retardant	211922-009	TK-XF-197-27"L-GC
	eXtreme Green	211922-010	TK-XG-197-27"L-GC
	Synthetic	211922-014	TK-SY-197-27"L-GC
	eXtreme Synthetic	211922-015	TK-XS-197-27"L-GC
	Standard Green	211872-001	TK-GR-244-34"L-GC
	Carbon Impregnated	211872-002	TK-FR-244-34"L-GC
	Fire Retardant	211872-003	TK-CB-244-34"L-GC
HemiPleat Gold Cone for Tenkay Mark IV L 864 mm • Ø 324 mm	eXtreme Fire Retardant	211872-009	TK-XF-244-34"L-GC
	eXtreme Green	211872-010	TK-XG-244-34"L-GC
	Synthetic	211872-014	TK-SY-244-34"L-GC
	eXtreme Synthetic	211872-015	TK-XS-244-34"L-GC

• Designed for existing installations of the classic Tenkay Mark III & IV collectors, this cartridge incorporates all the added benefits of Gold Cone technology. The additional media area further lowers the pressure drop and extends the cartridge filter life.

• Featuring an injection molded inner cone in the centre of the cartridge, cleaning is accomplished by pulse waves that emanate outward from this inner cone providing enhanced cleaning for more efficient operation and reduced service requirements.

• The HemiPleat separator bead opens up the pleats uniformly, allowing more effective cleaning and lower pressure drop.



As part of our program for continuous improvement, Camfil reserves the right to change specifications without notice.

HemiPleat® Tenkay® Cartridge for Mark II, III & IV Collectors



Advantages

- Camfil Pleat Separator Technology
- Low Pressure drop
- Extended Filter Life
- High Filtration Efficiency
- 80/20 PolyTech™ media
- Pour in place one piece gasket
- Broad design portfolio

Application: Air Pollution Control filter cartridge to collect dust, fumes and/or oil mist in many different industrial applications and processes

Execution: Please refer to extended HemiPleat® Tenkay® Cartridge for Mark II, III & IV Collectors data sheet

Temperature max: 70 °C for Standard, 80 °C for Med. Temp.

Holding Frame: Internal GV support cage

Efficiency: 99.99% on 0.5 micron and larger particles by weight

Filter Class: M, in accordance to independent test to DIN EN 60335-2-69:2010 for HemiPleat Extreme Media

Gasket: Pour in place one piece gasket

Separator: HemiPleat Separator Technology

Sealant: Polyurethane

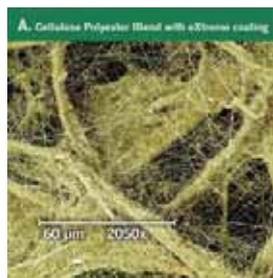
Filter Series	HemiPleat Media	Part No.	Model No.
Tenkay Mark II L 559 mm • Øo 324 mm • Øi 213 mm	HemiPleat Green	211637-001	TK-GR-115-22"L
	Carbon Impregnated	211637-002	TK-CB-115-22"L
	Fire Retardant	211637-003	TK-FR-115-22"L
	eXtreme Fire Retardant	211637-009	TK-XF-115-22"L
	eXtreme Green	211637-010	TK-XG-115-22"L
	Synthetic	211637-014	TK-SY-115-22"L
	eXtreme Synthetic	211637-015	TK-XS-115-22"L
	Standard Green	211547-001	TK-GR-140-27"L
	Carbon Impregnated	211547-002	TK-CB-140-27"L
	Fire Retardant	211547-003	TK-FR-140-27"L
Tenkay Mark III L 686 mm • Øo 324 mm • Øi 213 mm	eXtreme Fire Retardant	211547-009	TK-XF-140-27"L
	eXtreme Green	211547-010	TK-XG-140-27"L
	Synthetic	211547-014	TK-SY-140-27"L
	eXtreme Synthetic	211547-015	TK-XS-140-27"L
	Standard Green	211736-001	TK-GR-177-34"L
	Carbon Impregnated	211736-002	TK-CB-177-34"L
Tenkay Mark IV L 864 mm • Øo 324 mm • Øi 213 mm	Fire Retardant	211736-003	TK-FR-177-34"L
	eXtreme Fire Retardant	211736-009	TK-XF-177-34"L
	eXtreme Green	211736-010	TK-XG-177-34"L
	Synthetic	211736-014	TK-SY-177-34"L
	eXtreme Synthetic	211736-015	TK-XS-177-34"L

• Greater media utilisation and more effective filtration provide enhanced performance and longer service life.

• HemiPleat® media is the most advanced pulse-cleaned media ever made and now comes standard with silicone impregnation for high humidity resistance.

• The HemiPleat® separator bead opens up the pleats uniformly, allowing more effective cleaning and lower pressure drop.

• A wide variety of media and construction options provide a multitude of cartridge configuration options to suit your application.



CAMFIL is the world's largest and leading manufacturer of filters and clean air solutions.

Camfil is the global industry leader in clean air solutions with more than 50 years of experience.

Our solutions protect people, processes and the environment to benefit human health, increase performance, and reduce and manage energy consumption. Twenty-six manufacturing plants, six R&D sites and more than 60 local sales offices worldwide provide service and support to our customers. The Camfil Group is headquartered in Sweden but more than 95% of sales are international. The Group has approximately 4,000 employees and sales close to SEK 5.5 billion.