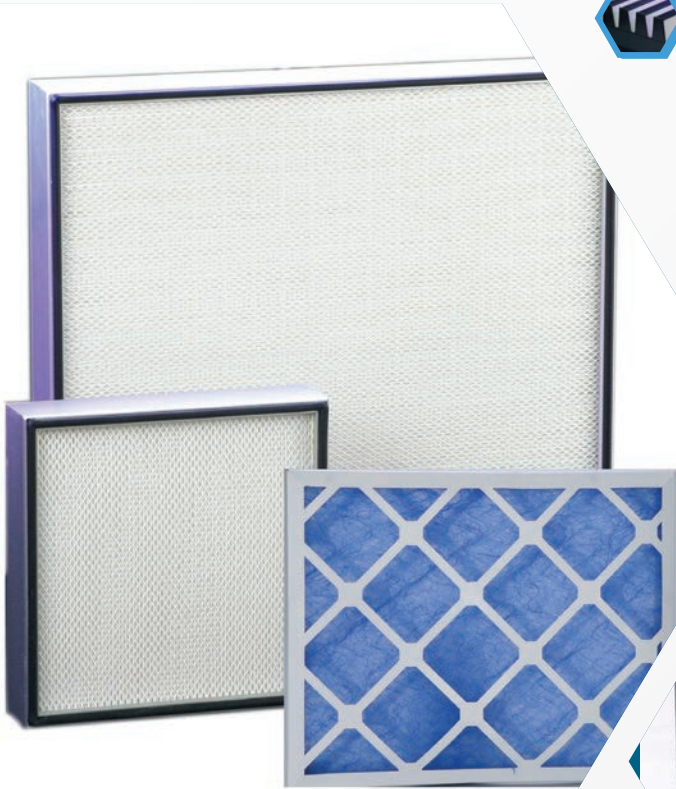
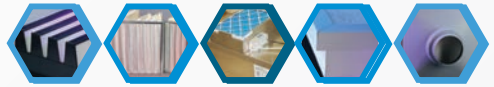


FLOW AIR FILTERS

FlowAir

■ ■ ■ F I L T E R S

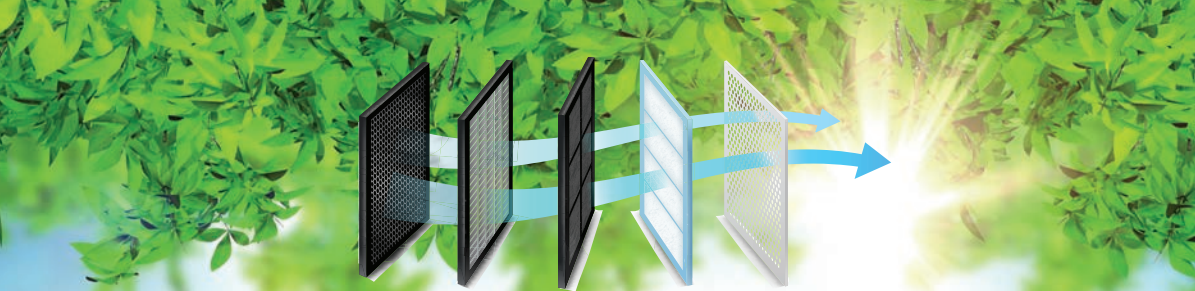


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Flow Air Filters designs and distributes a complete line of air filters.

With fifty years of experience. Flow Air Filters are well known experts in the field of air filtration and their experience can service you well when choosing the ideal filter for your needs. Our filters meet the most stringent demands of air filtration systems whether it is in laboratories or manufacturing facilities.

Flow Air Filters professional design team, our vast expertise and experience also allows us to offer any type of standard filter or custom made to suit a customers specific needs. Large stocks of filters are readily available in our factory in France which enables us to respond quickly to our customers needs and requests.

Since 1968 Flow Air Filters (ADS Laminaire group), which is a family run company, has been designing, manufacturing and marketing Laminar Flow Equipment.

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It was the first French company to specialize in this field and today holds a respectable place in the international market including well known companies amongst their customers.

In order to offer our customers a complete and comprehensive range of products in the Clean room and air industry, in 1973 we began marketing a complete range of consumables and disposables, in 1981 began manufacturing and marketing air filters and to better serve our customers in the USA in 2009 we opened a commercial office in Chicago to cover the USA and Canadian market.

FlowAir
FILTRIS

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AMER

AMER / DURA Filter

Media

Glass fiber filtering media with progressive density. This media is generally used for the prefiltration of fresh air in cooling heating and ventilation systems (air handling systems)

Applications: Pre-filtration to stop larger particles, air handling system.

Type: Plan gravimetric filter with fiberglass media

Frame: Cardboard with cardboard holding crosspieces

Media: Fiberglass Efficiency EN 779: G2, G3 **ISO 16 890 efficiency:** Coarse 70-80%

Final pressure drop: 350 Pa - 500 Pa **Maximum flow:** nominal flow

Temperature: 80 °C maximum **Mounting system:** Assemblable frames



Reference	Dimensions [mm]	Efficiency EN 779	ISO 16 890	Media area [m²]	Flow/ ΔP nominal [m³/h/Pa]	Weight [Kg]
Frame table						
AMER-B-16-20-1-C	390×490×25	G3	Coarse 80%	0.2	1400/50	0.2
AMER-B-20-20-1-C	490×490×25	G3	Coarse 80%	0.25	1750/50	0.25
AMER-B-20-24-1-C	490×590×25	G3	Coarse 80%	0.3	2000/50	0.3
AMER-B-12-24-2-C	290×590×50	G3	Coarse 80%	0.2	1200/60	0.25
AMER-B-20-24-2-C	490×590×50	G3	Coarse 80%	0.3	1900/60	0.35
AMER-B-24-24-2-C	590×590×50	G3	Coarse 80%	0.35	2400/60	0.4
Dimensions [m]		Frame table		[m²]	Flow/ ΔP on 1[m²]	Weight [Kg]/ [m²]
AMER-B-0,5-60	60×0,5	G3	Coarse 80%	30	6000/60	0.7
AMER-B-0,6-60	60×0,6	G3	Coarse 80%	36	6000/60	0.7
AMER-B-1-60	60×1	G3	Coarse 80%	60	6000/60	0.7
AMER-B-1,5-60	60×1,5	G3	Coarse 80%	90	6000/60	0.7

* Filters are available in any specific size on request

DURA

Media

Dura is a natural fibre media which is generally used for the pre-filtration of fresh air in air handling units with an average efficiency of 85% gravimetric. This media can be supplied in standard sized rolls, cut to customized dimensions or in a frame. Standard thicknesses are 12, 25 and 50 mm. DURA is a very popular media in industry known for its quality / price ratio, its holding capacity and for being washable.

Reference	Dimensions [mm]	Efficiency EN 779	ISO 16 890	Media area [m²]	Flow/ ΔPnominal [m³/h/Pa]	Weight [Kg]
Frame table						
DURA-G-20-20-1	490×490×25	G2	Coarse 70%	0.2	1750/50	2.5
DURA-G-20-24-1	490×590×25	G2	Coarse 70%	0.25	2100/50	3
DURA-G-24-24-1	590×590×25	G2	Coarse 70%	0.3	2500/50	3.5
DURA-G-20-20-2	490×490×50	G2	Coarse 70%	0.2	1200/60	3.5
DURA-G-20-24-2	490×590×50	G2	Coarse 70%	0.3	1900/60	4
DURA-G-24-24-2	590×590×50	G2	Coarse 70%	0.35	2400/60	4.5
Dimensions [m]		Frame table		[m²]	Flow/ ΔP on 1[m²]	Weight [Kg]/ [m²]
DURA-20-0,5	9,15×0,5	G2	Coarse 70%	4,6	6000/40	1.5
DURA-24-0,5	9,15×0,6	G2	Coarse 70%	5,5	6000/40	1.5
DURA-20-1	9,15×0,5	G2	Coarse 70%	4,6	5500/50	2
DURA-24-1	9,15×0,6	G2	Coarse 70%	5,5	5500/50	2
DURA-20-2	9,15×0,5	G2	Coarse 70%	4,6	5000/60	2.5
DURA-24-2	9,15×0,6	G2	Coarse 70%	5,5	5000/60	2.5
DURA-25-2	9,15×0,625	G2	Coarse 70%	5,8	5000/60	2.5

* Filters are available in any specific size on request

W Filter

W-Filter (medium efficiency)

Media

The laminated cotton / polyester media is ideal for the production of pleated filters. A hardened steel mesh is glued to its surface so as to provide it with structural support. Two standard efficiencies are available as standard ISO 16 890 Coarse 70%, (EN 779-G4) and ISO 16 890 eMP10 50% (EN 779-G5).

Characteristics

These filters exist in several finishes:

High capacity: 45 pleats per linear meter in 23mm Thickness.

High capacity: 32 pleats per linear meter in 47mm Thickness.

High capacity: 29 pleats per linear meter in 96mm Thickness.

Applications: Pre-filtration to stop larger particles, air handling unit

Type: Disposable gravimetric filter, cardboard frame, pleated media on grid

Frame: Rigid waxed cardboard with diagonal stiffeners.

Option: Metal frame

Media: Cotton / polyester laminate

Sealant: Glue **Grid:** Metallic

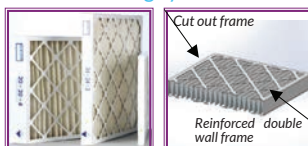
ISO 16890 efficiency: Coarse 70%

Final pressure drop: 250 Pa

Maximum flow: 1.1 × nominal flow

Temperature: 80 °C maximum

Mounting system: Assemblable frame



Reference	Dimensions [mm]	Efficiency EN 779	ISO 16890	Media area [m²]	Flow / ΔP nominal [m³/h/Pa]	Weight [Kg]
W-04-12-24-1-C	290×590×23	G4	Coarse 70%	0.35	920/70	0.2
W-04-16-20-1-C	390×490×23	G4	Coarse 70%	0.40	1030/70	0.2
W-04-16-25-1-C	390×620×23	G4	Coarse 70%	0.50	1300/70	0.25
W-04-18-24-1-C	450×590×23	G4	Coarse 70%	0.55	1420/70	0.25
W-04-20-20-1-C	490×490×23	G4	Coarse 70%	0.50	1290/70	0.25
W-04-20-25-1-C	490×620×23	G4	Coarse 70%	0.63	1630/70	0.25
W-04-24-24-1-C	590×590×23	G4	Coarse 70%	0.72	1870/70	0.3
W-04-12-20-2-C	290×490×47	G4	Coarse 70%	0.43	1280/70	0.2
W-04-12-24-2-C	290×590×47	G4	Coarse 70%	0.51	1530/70	0.25
W-04-16-20-2-C	390×490×47	G4	Coarse 70%	0.57	1710/70	0.25
W-04-16-24-2-C	390×590×47	G4	Coarse 70%	0.69	2060/70	0.3
W-04-16-25-2-C	390×620×47	G4	Coarse 70%	0.73	2170/70	0.3
W-04-18-20-2-C	450×490×47	G4	Coarse 70%	0.66	1980/70	0.3
W-04-18-24-2-C	450×590×47	G4	Coarse 70%	0.80	2380/70	0.3
W-04-20-20-2-C	490×490×47	G4	Coarse 70%	0.72	2150/70	0.3
W-04-20-24-2-C	490×590×47	G4	Coarse 70%	0.87	2590/70	0.35
W-04-20-25-2-C	490×620×47	G4	Coarse 70%	0.91	2720/70	0.35
W-04-24-24-2-C	590×590×47	G4	Coarse 70%	1.05	3120/70	0.4
W-04-25-25-2-C	620×620×47	G4	Coarse 70%	1.16	3000/70	0.45
W-04-12-24-4-C	290×590×96	G4	Coarse 70%	0.95	2350/90	0.45
W-04-16-20-4-C	390×490×96	G4	Coarse 70%	1.06	2620/90	0.45
W-04-16-25-4-C	390×620×96	G4	Coarse 70%	1.35	3320/90	0.55
W-04-18-24-4-C	450×590×96	G4	Coarse 70%	1.48	3640/90	0.6
W-04-20-20-4-C	490×490×96	G4	Coarse 70%	1.34	3290/90	0.55
W-04-20-24-4-C	490×590×96	G4	Coarse 70%	1.61	3970/90	0.6
W-04-20-25-4-C	490×620×96	G4	Coarse 70%	1.69	4170/90	0.7
W-04-24-24-4-C	590×590×96	G4	Coarse 70%	1.94	4770/90	0.7

* Filters are available in any specific size on request

MS Filter

Synthetic media

Media

Filter mat based on high performance synthetic fibers, multilayered with progressive efficiency.

This composition allows the filter to clog in depth, considerably increasing its service life, reducing the pressure drop and therefore the energy consumption.

Applications

- Industry
- Hotel
- Pre-filtration for clean room
- Food industry
- Painting booth
- Theater / cinema
- Other

Air speed: 1,5m/s

Air flow per m²/h: 5400m³/h

Initial use pressure drop: 35 Pa

Final use pressure drop: 250 Pa

Holding capacity: 620 g/m²

ISO 16 890 efficiency: Coarse 70% - 90%

Frame: Cardboard

EN 779 classification: G2-G4

Maximum operating temperature: 100 °C

Maximum peak temperature: 120 °C

Thickness: 20mm

Maximum relative humidity (RH): 100%

Standard rolls: See table



Reference	Dimensions [mm]	Efficiency EN 779	ISO 16890	Media area [m ²]	Flow / ΔP nominal [m ³ /h/Pa]	Weight [Kg]
Frame table						
h-16-24-C	390×590×20	G3	Coarse 80%	0.24	1300/35	0.25
h-20-20-1-C	490×490×20	G3	Coarse 80%	0.24	1300/35	0.25
h-20-24-1-C	490×590×20	G3	Coarse 80%	0.3	1600/35	0.35
h-24-24-1-C	590×590×20	G3	Coarse 80%	0.36	1900/35	0.4
h-6	405×610×20	G3	Coarse 80%	0.24	1300/35	0.25
h-8	405×760×20	G3	Coarse 80%	0.3	1600/35	0.35
h-9	405×915×20	G3	Coarse 80%	0.36	1900/35	0.4
h-3-7	305×760×20	G3	Coarse 80%	0.23	1250/35	0.25
h-3-3	305×305×20	G3	Coarse 80%	0.1	540/35	0.1
h-3-6	305×610×20	G3	Coarse 80%	0.2	1080/35	0.2
Dimensions [m] Frame table [m²] Flow/ ΔP on 1[m²] Weight [Kg]/[m²]						
VNF-290-F1	20×1	G3	Coarse 80%	20	5400/35	0.62
VNF-290-F2	20×2	G3	Coarse 80%	40	5400/35	0.62
VNF-300-F1	20×1	G4	Coarse 90%	20	5400/42	0.5
VNF-300-F2	20×2	G4	Coarse 90%	40	5400/42	0.5
C-15-150-F1	40×1	G2	Coarse 70%	40	5400/20	0.52
C-15-150-F2	40×2	G2	Coarse 70%	80	5400/20	0.52

* Filters are available in any specific size on request

FP Filter

Medium efficiency pocket filters

Media

The filter media constituting the bags is based on high performance synthetic fibers, multilayer with progressive efficiency. This composition allows the filter to clog in depth, considerably increasing its life service, reducing the pressure drop and therefore the energy consumption

The medium efficiency pocket filters withstand saturated atmospheres in hygrometry. These filters meet European and American standards. The structure of the filter prevents the release of dust even during sudden pressure peaks and guarantees a perfect seal between the frame and the media. The quality of the product allows us to print the nominal efficiency clearly on the pockets.



Applications: Filtration of fresh or recycled air from premises into the air conditioner

Type: Medium efficiency filter, with synthetic fiber bags

Frame: Galvanized steel sheet, thickness 20mm

Media: Polypropylene fiber felt

ISO 16 890 efficiency: Coarse-90% - ePM10 50% (EN 779 G4-M5)

Dimensions: Dimensions cf. table

Final pressure drop: Pressure drop initial + 100 Pa

Maximum flow: 1.25 × nominal flow

Temperature: 70°C maximum

Mounting system: assemblable frame

Applications :

- Hotel
- Prefiltration for clean rooms
- Clean room
- Food industry
- Painting booth
- Theater / cinema
- Other

Reference	Dimensions [mm]	ISO 16890	Efficiency EN 779	Media area [m²]	Number of pockets	Flow / ΔP nominal [m³/h/Pa]	Weight [Kg]
FP-04-363-B-0	287x592x380	Coarse 90%	G4	2.1	3	1700/50	1.4
FP-04-463-B-0	490x592x380	Coarse 90%	G4	3.2	4	2800/50	2.3
FP-04-663-B-0	592x592x380	Coarse 90%	G4	4.3	6	3400/50	2.5
FP-04-366-B-0	287x592x600	Coarse 90%	G4	2.3	3	1700/40	1.5
FP-04-466-B-0	490x592x600	Coarse 90%	G4	3.9	4	2800/40	2.4
FP-04-666-B-0	592x592x600	Coarse 90%	G4	4.6	6	3400/40	2.6
FP-05-363-B-0	287x592x380	ePM10 50%	M5	2.1	3	1700/60	1.4
FP-05-463-B-0	490x592x380	ePM10 50%	M5	3.2	4	2800/60	2.3
FP-05-663-B-0	592x592x380	ePM10 50%	M5	4.3	6	3400/60	2.5
FP-05-366-B-0	287x592x600	ePM10 50%	M5	2.3	3	1700/50	1.5
FP-05-466-B-0	490x592x600	ePM10 50%	M5	3.9	4	2800/50	2.4
FP-05-666-B-0	592x592x600	ePM10 50%	M5	4.6	6	3400/50	2.5

* Filters are available in any specific size on request

FP Filter

Very high efficiency pocket filters

Media

The filter media is constituting the bags based on high performance synthetic fibers, multilayer with progressive efficiency. This composition allows the filter to clog in depth, considerably increasing its service life, reducing the pressure drop and therefore the energy consumption

Very high efficiency pocket filters that can withstand saturated atmospheres in humidity. These filters meet European and American standards. The structure of the filter prevents the emission of dust even during sudden pressure peaks and guarantees a perfect seal between the frame and the media. The quality of the product allows us to clearly print the nominal efficiency on the pockets.

Applications: Filtration of fresh or recycled air from premises into the air conditioner

Type: Very high efficiency filter, with synthetic fiber bags

Frame: Galvanized steel sheet, thickness 20mm

Media: Polypropylene fiber felt

ISO 16 890 efficiency: ePM2.5-60% - ePM1-95%

Dimensions: Dimensions cf. table

Final pressure drop: Initial pressure drop + 100 Pa

Maximum flow: 1.25 × nominal flow

Temperature: 70 °C maximum

Mounting system: assemblable frame-see p.26



Reference	Dimensions [mm]	ISO 16890	Efficiency EN 779	Media area [m²] [m²]	Number of pockets	Flow / ΔP nominal [m³/h/Pa]	Weight [Kg]
FP-06-363-B-0	287x592x380	ePM2,5 60%	M6	2.1	4	1700/90	1.2
FP-06-463-B-0	490x592x380	ePM2,5 60%	M6	3.2	6	2800/90	1.9
FP-06-663-B-0	592x592x380	ePM2,5 60%	M6	4.3	8	3400/90	2.1
FP-06-366-B-0	287x592x600	ePM2,5 60%	M6	2.4	4	1700/80	1.5
FP-06-466-B-0	490x592x600	ePM2,5 60%	M6	3.6	6	2800/80	2.4
FP-06-666-B-0	592x592x600	ePM2,5 60%	M6	4.7	8	3400/80	2.6
FP-07-363-B-0	287x592x380	ePM1 65%	F7	2.1	4	1700/100	1.2
FP-07-463-B-0	490x592x380	ePM1 65%	F7	3.2	6	2800/100	1.9
FP-07-663-B-0	592x592x380	ePM1 65%	F7	4.3	8	3400/100	2.1
FP-07-366-B-0	287x592x600	ePM1 65%	F7	2.4	4	1700/90	1.5
FP-07-466-B-0	490x592x600	ePM1 65%	F7	3.6	6	2800/90	2.4
FP-07-666-B-0	592x592x600	ePM1 65%	F7	4.7	8	3400/90	2.6
FP-08-363-B-0	287x592x380	ePM1 75%	F8	2.1	4	1700/120	1.2
FP-08-463-B-0	490x592x380	ePM1 75%	F8	3.2	6	2800/120	1.9
FP-08-663-B-0	592x592x380	ePM1 75%	F8	4.3	8	3400/120	2.1
FP-08-366-B-0	287x592x600	ePM1 75%	F8	2.4	4	1700/110	1.5
FP-08-466-B-0	490x592x600	ePM1 75%	F8	3.6	6	2800/110	2.4
FP-08-666-B-0	592x592x600	ePM1 75%	F8	4.7	8	3400/110	2.6
FP-09-363-B-0	287x592x380	ePM1 95%	F9	2.1	4	1700/140	1.2
FP-09-463-B-0	490x592x380	ePM1 95%	F9	3.2	6	2800/140	1.9
FP-09-663-B-0	592x592x380	ePM1 95%	F9	4.3	8	3400/140	2.1
FP-09-366-B-0	287x592x600	ePM1 95%	F9	2.4	4	1700/130	1.5
FP-09-466-B-0	490x592x600	ePM1 95%	F9	3.6	6	2800/130	2.4
FP-09-666-B-0	592x592x600	ePM1 95%	F9	4.7	8	3400/130	2.6
FP-09-666-B-0	592x592x600	ePM1 95%	F9	4.7	8	3400/130	2.6

* Filters are available in any specific size on request

Vcells Filter (FPR)

Vcells Filter (FPR)

Media

The FPR is a Vcells filter with 4V is specially designed to retain fine dust, fumes, vapors and bacteria. The FPR is suitable for installation in an air handling systems, for the pre-filtration of clean rooms (easy replacement). The RPF has a recyclable plastic frame.

Option: Synthetic media, galvanized steel frame



Applications: Treatment of air conditioned rooms and pre-filtration of clean rooms (easy replacement)

Type: Compact high efficiency multi-filter, fireproof

Frame: recyclable plastic frame

Media: Fiberglass, synthetic paper

Separators: Hot-melt separators

Sealant: Polyurethane

ISO 16890 efficiency: ePM1 60% - ePM2.5 95%

Efficiency EN 779: F6-E11

Dimensions: Front dimensions cf. table

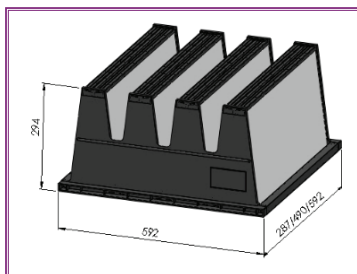
Final pressure drop: 500 Pa

Maximum flow: 1.25 × normal flow

Temperature: 80 °C maximum

Mounting systems: Easy installation, casing-p.26

Option: Efficiency EN 1822: E10-E11; UL 900



Reference	Dimensions [mm]	Efficiency EN 779	ISO 16890	Media area [m²]	Flow / ΔP nominal [m³/h/Pa]	Weight [Kg]
FPR-06-36-HC	287×592×290	F6	ePM2,5 60%	9	2125/100	3
FPR-06-46-HC	490×592×290	F6	ePM2,5 60%	15	3400/100	4.5
FPR-06-66-HC	592×592×290	F6	ePM2,5 60%	19	4250/100	5.5
FPR-07-36-HC	592×287×290	F7	ePM1 65%	9	2125/110	3
FPR-07-46-HC	490×592×290	F7	ePM1 65%	15	3400/110	4.5
FPR-07-66-HC	592×592×290	F7	ePM1 65%	19	4250/110	5.5
FPR-08-36-HC	287×592×290	F8	ePM1 75%	9	2125/130	3
FPR-08-46-HC	490×592×290	F8	ePM1 75%	15	3400/130	4.5
FPR-08-66-HC	592×592×290	F8	ePM1 75%	19	4250/130	5.5
FPR-09-36-HC	287×592×290	F9	ePM1 95%	9	2125/160	3
FPR-09-46-HC	490×592×290	F9	ePM1 95%	15	3400/160	4.5
FPR-09-66-HC	592×592×290	F9	ePM1 95%	19	4250/160	5.5

Reference	Dimensions [mm]	Efficiency EN 1822	Media area [m²]	Flow / ΔP nominal [m³/h/Pa]	Weight [Kg]
FPR-11-36-HC	287×592×290	E11	9	1400/250	3
FPR-11-46-HC	490×592×290	E11	15	2500/250	4.5
FPR-11-66-HC	592×592×290	E11	19	2800/250	5.5

* Filters are available in any specific size on request

Vcells Filter (FRS)

Media

The FRS is a Vcells model 4V is specially designed to retain fine dust, fumes, vapors and bacteria. The FPR is suitable for installation in an air handling systems, for the prefiltration of clean rooms (easy replacement). The RPF has a recyclable plastic frame.



Applications: Treatment of air conditioned rooms and pre-filtration of clean rooms (easy replacement)

Type: Compact high efficiency multi-filter, fireproof

Frame: Recyclable plastic frame

Media: Fiberglass, synthetic paper

Separators: Hot-melt separators

Sealant: Polyurethane

ISO 16890 efficiency: ePM1 60% - ePM2.5 95%

Efficiency EN 779: F6-F9

Dimensions: Front dimensions cf. table

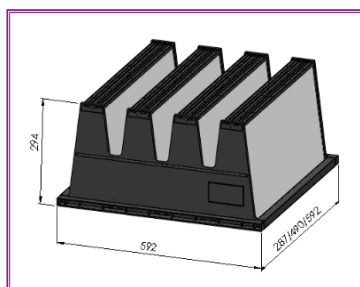
Final pressure drop: 500 Pa

Maximum flow: 1.25 × normal flow

Temperature: 80 ° C maximum

Mounting systems: Easy installation, casing

Option: Efficiency EN 1822: E10-E11; UL 900



Reference	Dimensions [mm]	Efficiency EN 779	ISO 16890	Media area [m²]	Flow / ΔP nominal [m³/h/Pa]	Weight [Kg]
FRS-05-36-HC	287×592×290	M5	ePM2,5 50%	7	2125/100	3
FRS-05-46-HC	490×592×290	M5	ePM2,5 50%	11	3400/100	4.5
FRS-05-66-HC	592×592×290	M5	ePM2,5 50%	14	4250/100	5.5
FRS-06-36-HC	592×287×290	M6	ePM1 60%	7	2125/110	3
FRS-06-46-HC	490×592×290	M6	ePM1 60%	11	3400/110	4.5
FRS-06-66-HC	592×592×290	M6	ePM1 60%	14	4250/110	5.5
FRS-07-36-HC	287×592×290	F7	ePM1 65%	7	2125/130	3
FRS-07-46-HC	490×592×290	F7	ePM1 65%	11	3400/130	4.5
FRS-07-66-HC	592×592×290	F7	ePM1 65%	14	4250/130	5.5

* Filters are available in any specific size on request

AM Filter

AM

Media

The AM filter is a MINIPLEATS filter, fiberglass media with HOTMELT separators. Filter regularly installed in the air handling unit as a terminal filter or as a return air filter in a clean room.

Characteristics

Choice of flow direction

Flow rate up to 3300m³ / h

Very long service life

Depth 48 or 96mm

The AM filter is available in 4 different efficiencies.

Option:

Expanded polyurethane gasket

74mm wooden profile

Aluminum profile 10mm apart from 30mm up to 110mm

Applications: Air handling systems or industrial processes

Type: Compact filter with high holding capacity

Frame: Plastic / Aluminium

Media: Fiberglass paper

Separators: Hot-melt separators

Grid: White plastic / epoxy painted

Dimensions: Dimensions cf. table

ISO 16 890 efficiency: ePM2.5-60% - ePM1-95%

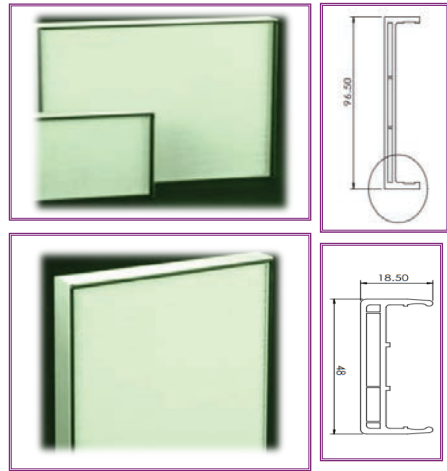
Efficiency EN 779: F6 - F9

Final pressure drop: Initial pressure drop + 100 Pa

Maximum flow: 1.1 × nominal flow

Temperature: 70 °C maximum

Mounting system: Simple installation, assemblable frame



Reference	Dimensions [mm]	ISO 16890	Efficiency EN 779	Media area [m ²]	Flow / ΔP nominal [m ³ /h/Pa]	Weight [Kg]
AM-06-36-48-45-PP	305×610×48	ePM2,5 60%	F6	5.2	1400/100	4
AM-06-66-48-45-PP	610×610×48	ePM2,5 60%	F6	10.4	2800/100	6
AM-06-36-96-92-PP	305×610×96	ePM2,5 60%	F6	8.1	1700/100	6
AM-06-66-96-92-PP	610×610×96	ePM2,5 60%	F6	16.2	3300/100	8
AM-07-36-48-45-PP	305×610×48	ePM1 65%	F7	5.2	1400/120	4
AM-07-66-48-45-PP	610×610×48	ePM1 65%	F7	10.4	2800/120	6
AM-07-36-96-92-PP	305×610×96	ePM1 65%	F7	8.1	1700/120	6
AM-07-66-96-92-PP	610×610×96	ePM1 65%	F7	16.2	3300/120	8
AM-08-36-48-45-PP	305×610×48	ePM1 75%	F8	5.2	1400/130	4
AM-08-66-48-45-PP	610×610×48	ePM1 75%	F8	10.4	2800/130	6
AM-08-36-96-92-PP	305×610×96	ePM1 75%	F8	8.1	1700/130	6
AM-08-66-96-92-PP	610×610×96	ePM1 75%	F8	16.2	3300/130	8
AM-09-36-48-45-PP	305×610×48	ePM1 95%	F9	5.2	1400/160	4
AM-09-66-48-45-PP	610×610×48	ePM1 95%	F9	10.4	2800/160	6
AM-09-36-96-92-PP	305×610×96	ePM1 95%	F9	8.1	1700/160	6
AM-09-66-96-92-PP	610×610×96	ePM1 95%	F9	16.2	3300/160	8

* Filters are available in any specific size on request

Deep AM Filter

Deep AM

Media

The deep AM filter is a MINIPLEATS filter, fiberglass media with HOTMELT separator. Filter regularly installed in air handling units as final filters or as clean air return filters

Characteristics

Choice of flow direction
Flow rate up to 4600m³/h
Very long service life
Depth 150 or 292mm
The AM filter is available in 4 different efficiencies.

Options:

Expanded polyurethane gasket
Aluminum frame
Wooden frame 150 and 292mm

Applications: Air handling systems or industrial processes

Type: Compact filter with holding capacity

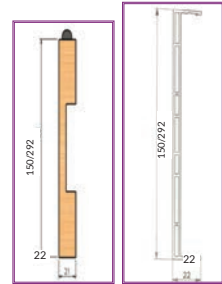
Frame: Plastic

Media: fiberglass paper

Separators: Hot-melt separators

Grid: White plastic

ISO 16 890 efficiency: ePM2.5-60% - ePM1-95%



Reference	Dimensions [mm]	ISO 16890	Efficiency EN 779	Media area [m²]	Flow / ΔP nominal [m³/h/Pa]	Weight [Kg]
AM-06-36-150-75-AP	305×610×150	ePM2,5 60%	F6	8.1	1700/100	7
AM-06-66-150-75-AP	610×610×150	ePM2,5 60%	F6	16.2	3300/100	14
AM-06-36-292-170-AP	305×610×292	ePM2,5 60%	F6	15.5	2300/100	9
AM-06-66-292-170-AP	610×610×292	ePM2,5 60%	F6	31	4600/100	18
AM-07-36-150-75-AP	305×610×150	ePM1 65%	F7	8.1	1700/120	7
AM-07-66-150-75-AP	610×610×150	ePM1 65%	F7	16.2	3300/120	14
AM-07-36-292-170-AP	305×610×292	ePM1 65%	F7	15.5	2300/120	9
AM-07-66-292-170-AP	610×610×292	ePM1 65%	F7	31	4600/120	18
AM-08-36-150-75-AP	305×610×150	ePM1 75%	F8	8.1	1700/130	7
AM-08-66-150-75-AP	610×610×150	ePM1 75%	F8	16.2	3300/130	14
AM-08-36-292-170-AP	305×610×292	ePM1 75%	F8	15.5	2300/130	9
AM-08-66-292-170-AP	610×610×292	ePM1 75%	F8	31	4600/130	18
AM-09-36-150-75-AP	305×610×150	ePM1 95%	F9	8.1	1700/160	7
AM-09-66-150-75-AP	610×610×150	ePM1 95%	F9	16.2	3300/160	14
AM-09-36-292-170-AP	305×610×292	ePM1 95%	F9	15.5	2300/160	9
AM-09-66-292-170-AP	610×610×292	ePM1 95%	F9	31	4600/160	18

* Filters are available in any specific size on request

AML Filter

AML

Media

The AML filter is a MINIPLEATS filter, fiberglass media with HOTMELT separator.

Filter with 22mm flange regularly installed in air handling units as final filters or as clean air return filters.

Option:

Expanded polyurethane seal

Applications: Air handling systems or industrial processes

Type: Compact high efficiency filter with 22mm flange.

Frame: Aluminum, plastic

Media: Fiberglass paper

Sealant: Polyurethane

Grid: Mild steel painted white epoxy upstream and downstream, plastic

Separators: Hot-melt separators

Dimensions: Front dimensions cf. table

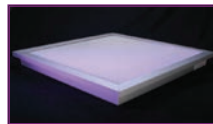
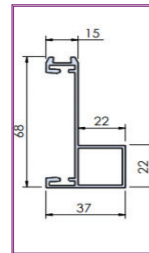
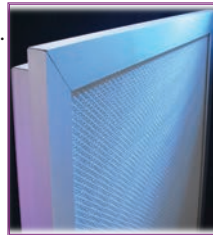
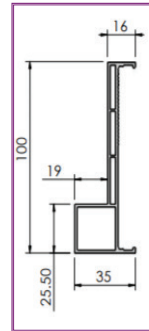
Efficiency: ISO 16890

Maximum flow: 1.15 × nominal flow

Temperature: 70 °C maximum

Max relative humidity: 100%

Mounting system: Assembled frame



Reference	Dimensions [mm]	Efficiency EN 779	ISO 16890	Media area [m²]	Flow / ΔP nominal [m³/h/Pa]	Weight [Kg]
AML-06-36	287×592×68	F6	ePM2,5 60%	3.7	1250/100	4
AML-06-46	490×592×68	F6	ePM2,5 60%	6.1	2100/100	5
AML-06-66	592×592×68	F6	ePM2,5 60%	7.3	2500/100	6
AML-07-36	287×592×68	F7	ePM1 65%	3.7	1250/120	4
AML-07-46	490×592×68	F7	ePM1 65%	6.1	2100/120	5
AML-07-66	592×592×68	F7	ePM1 65%	7.3	2500/120	6
AML-08-36	287×592×68	F8	ePM1 75%	3.7	1250/130	4
AML-08-46	490×592×68	F8	ePM1 75%	6.1	2100/130	5
AML-08-66	592×592×68	F8	ePM1 75%	7.3	2500/130	6
AML-08-36-100	287×592×100	F8	ePM1 75%	7.4	2300/130	7
AML-08-66-100	592×592×100	F8	ePM1 75%	14.8	4400/130	11
AML-09-36	287×592×68	F9	ePM1 95%	3.7	1250/160	4
AML-09-46	490×592×68	F9	ePM1 95%	6.1	2100/160	5
AML-09-66	592×592×68	F9	ePM1 95%	7.3	2500/160	6

* Filters are available in any specific size on request

DIFLOW Filter

DIFLOW

Applications: Ventilation for industry

Type: Dihedral of medium to very high efficiency

Frame: Galvanized steel

Media: Fiberglass paper

Separators: Hot-melt separators

Sealant: Polyurethane

ISO 16890 efficiency: ePM1 75% - ePM1 95%

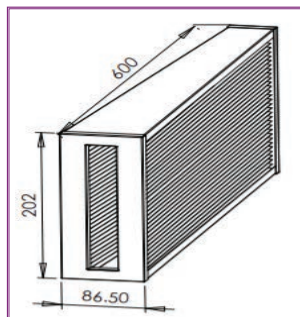
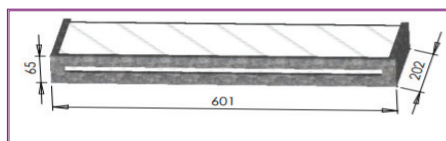
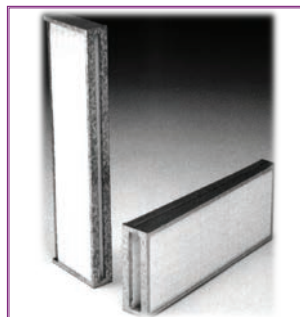
Efficiency EN 1822: E10, H13

Final pressure drop: 350 Pa - 500 Pa

Maximum flow: nominal flow

Temperature: 70 °C maximum

Mounting system: Sealing achieved by means of a special adhesive tape



Dihedral filter of average efficacy

Reference	Dimensions [mm]	Efficiency EN 779	ISO 16890	Media area [m²]	Flow / ΔP nominal [m³/h/Pa]	Weight [Kg]
DIFLOW-08-600-65-202-G	600×65×202	F8	ePM1 75%	3.1	200/130	1.5
DIFLOW-08-87-202-600-G	87×202×600	F8	ePM1 75%	3.4	230/130	1.5
DIFLOW-08-87-303-600-G	87×303×600	F8	ePM1 75%	5.2	350/130	2
DIFLOW-09-600-65-202-G	600×65×202	F9	ePM1 95%	3.1	170/130	1.5
DIFLOW-09-87-202-600-G	87×202×600	F9	ePM1 95%	3.4	190/130	1.5
DIFLOW-09-87-303-600-G	87×303×600	F9	ePM1 95%	5.2	300/130	2

* Filters are available in any specific size on request

Dihedral filter of high efficacy

Reference	Dimensions [mm]	Efficiency EN 779	Media area [m²]	Flow / ΔP nominal [m³/h/Pa]	Weight [Kg]
DIFLOW-10-600-65-202-G	600×65×202	E10	3.1	200/130	1.5
DIFLOW-10-87-202-600-G	87×202×600	E10	3.4	220/130	1.5
DIFLOW-10-87-303-600-G	87×303×600	E10	5.2	300/130	2
DIFLOW-13-600-65-202-G	600×65×202	H13	3.1	340/250	1.5
DIFLOW-13-87-202-600-G	87×202×600	H13	3.4	370/250	1.5
DIFLOW-13-87-303-600-G	87×303×600	H13	5.2	490/250	2

* Filters are available in any specific size on request

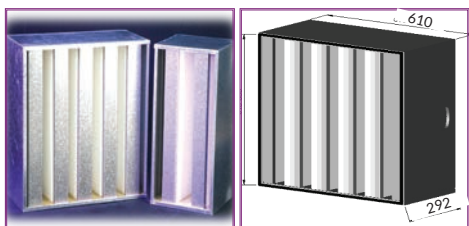
DH Filter

Hepa filter(very high efficiency)

Media

The DH filter is designed for the filtration of ultrafine particles. Used in the medical, pharmaceutical, electronic and research centers, the DH filter meets the most stringent standards such as the EN 1822 + UL 900.

It is often placed in an air handling unit (AHU) upstream of the M or JET type final filters from our range. Media pleating is optimized (filtration surface / front surface) in order to obtain the best flow / pressure drop ratio possible. The service life of the filter is thereby increased.



Applications: Ultrafine particle filtration

Type: Very high efficiency, high flow multi-dihedral filter

Frame: Fireproof ABS frame with handles, (galvanized or stainless steel option).

Gasket: Expanded polyurethane

Media: Micro glass fibers.

Separators: Hotmelt separators

Options: Stainless steel or galvanized steel frame

Sealant: Polyurethane

Efficiency EN 1822: H10 - H12 - H13 - H14

MPPS efficiency: H10 > 85% H12 > 99.5%

H13 > 99.95% H14 > 99.999%

Final pressure drop: 600 Pa

Maximum flow: Flow up to 5000 m³ / h.

Temperature: 80 ° C maximum

Mounting system: Simple installation, very rigid cardboard packaging - (see p.26)

Reference	Dimensions [mm]	Efficiency EN 1822	Media area [m ²]	Frame	Flow / ΔP nominal [m ³ /h/Pa]	Weight [Kg]
DH-M-10-36-P1-01	305x610x292	H10	13	Plastic	1800/250	8
DH-M-10-66-P1-01	610x610x292	H10	31	Plastic	4400/250	12
DH-M-12-36-P1-01	305x610x292	H12	13	Plastic	1500/250	8
DH-M-12-66-P1-01	610x610x292	H12	31	Plastic	3800/250	12
DH-M-13-25-G1-01	287x595x292	H13	12	galvanized	1300/250	13
DH-M-13-55-G1-01	595x595x292	H13	29	galvanized	3300/250	20
DH-M-13-36-P1-01	305x610x292	H13	13	Plastic	1400/250	8
DH-M-13-66-P1-01	610x610x292	H13	31	Plastic	3600/250	12
DH-M-14-36-P1-01	305x610x292	H14	13	Plastic	1200/250	8
DH-M-14-66-P1-01	610x610x292	H14	31	Plastic	3000/250	12
DH-H-10-36-P1-01	305x610x292	H10	14	Plastic	2000/250	8
DH-H-10-66-P1-01	610x610x292	H10	34	Plastic	5000/250	12
DH-H-12-36-P1-01	305x610x292	H12	14	Plastic	1700/250	8
DH-H-12-66-P1-01	610x610x292	H12	34	Plastic	4000/250	12
DH-H-13-25-G1-01	287x595x292	H13	13.5	galvanized	1500/250	13
DH-H-13-55-G1-01	595x595x292	H13	32.5	galvanized	3800/250	20
DH-H-13-36-P1-01	305x610x292	H13	14	Plastic	1600/250	8
DH-H-13-66-P1-01	610x610x292	H13	34	Plastic	4000/250	12
DH-H-14-36-P1-01	305x610x292	H14	14	Plastic	1600/250	8
DH-H-14-66-P1-01	610x610x292	H14	34	Plastic	4000/250	12

* Filters are available in any specific size on request

MK/MLK Filter

MK/MLK Filter

The "MK / MLK" type filter is an H.E.P.A. or U.L.P.A. (also available in OPACIMETRIC) with pleated media in mini pleats and HOTMELT separators (which reduces the pressure drop compared to the flow). This filter is designed for filtration of ultrafine particles. It is used in the following fields: pharmaceutical, electronics, optics, research centers and clean rooms. This panel filter has a wide variety of sizes and thicknesses. It is used as a terminal filter for laminar flow hoods and in clean room ceilings. "MK / MLK" filters are tested according to the most recent international standards, ISO 9001, and EN 1822.

The "MK / MLK" is suitable for installation in an air handling unit, for the filtration of clean rooms.

Our "MK / MLK" filters are manufactured and packed in a clean room and are guaranteed to be silicone free.

Applications: Final filtration for clean rooms and laminar flow equipment

Type: HEPA / ULPA fluid seal filter panel

Frame: Anodized aluminum profile / plastic

Media: Fiberglass paper

Separators: Hot-melt separators / blie gel gasket

Option: Laminar veil

Sealant: Polyurethane

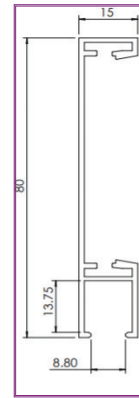
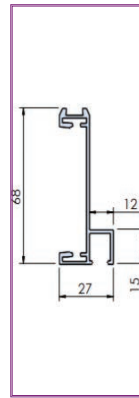
Grid: Mild steel painted white epoxy upstream and downstream

Efficiency EN 1822: H14 and U15

MPPS efficiency: 99.995% and 99.9995%

Temperature: 70 °C maximum

Control: 100%



Reference	Dimensions [mm]	Efficiency EN 1822	Media area [m²]	Flow / ΔP nominal [m³/h/Pa]	Weight [Kg]
MK-14-66-AP	562×562×80	H14	8.84	510/120	5
MK-14-67-AP	562×762×80	H14	12	700/120	6
MK-14-69-AP	562×867×80	H14	13.64	790/120	7
MK-14-612-AP	562×1172×80	H14	18.44	1020/120	10
MK-14-79-AP	762×867×80	H14	18.5	1030/120	11
MK-14-99-AP	867×867×80	H14	21.05	1170/120	12
MK-15-612-AP	562×1172×80	U15	18.44	1020/150	11
MLK-14-66-AP	577×577×68	H14	9.3	540/120	5
MLK-14-69-AP	577×882×68	H14	14.3	830/120	7
MLK-14-612-AP	577×1187×68	H14	19.4	1070/120	10
MLK-14-39-AL	355×920×68	H14	9.2	530/120	5

* Filters are available in any specific size on request

M65 Filter

Filter M65

Media

The "M65" filter type is an H.E.P.A. or U.L.P.A. (also available in OPACIMETRIC) with pleated media in mini pleats and HOTMELT separators (which reduces the pressure drop compared to the flow). This filter is designed for the filtration of ultrafine particles. It is used in the following fields: pharmaceutical, electronics, optics, research centers, clean rooms. This panel filter comes in a wide variety of sizes and thicknesses. It is used as a terminal filter for laminar flow hoods and clean room ceilings. The "M65" filters are tested according to the latest international standards, ISO 9001, and EN 1822. Our "M65" filters are manufactured and packaged in a clean room and are guaranteed to be silicone free.

Applications: Final filtration for clean rooms and laminar flow equipment

Type: HEPA / ULPA fluid seal filter panel

Frame: Anodized aluminum profile

Seal: Clean room gel

Media: Fiberglass paper

Separators: Hot-melt separators

Option: Laminar veil

Sealant: Polyurethane

Grid: Mild steel painted white

epoxy upstream and downstream

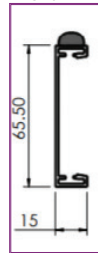
Efficiency EN 1822: H14 and U15

MPPS efficiency: 99.995% and 99.9995%

Temperature: 70 °C maximum

Control: 100%

Option: Aluminum frame from 30 to 110mm in 10mm intervals



Reference	Dimensions [mm]	Media area [m²]	Flow [m³/h]/ΔP to 0,45m/s [m³/h/Pa]		Weight [Kg]
			H14	U15	
M-14-33-65-50-AP1	305×305×65	2.6	145/120	145/150	2
M-14-36-65-50-AP1	305×610×65	5.21	290/120	290/150	4
M-14-37-65-50-AP1	305×762×65	6.51	380/120	380/150	5
M-14-39-65-50-AP1	305×915×65	7.81	450/120	450/150	6
M-14-44-65-50-AP1	457×457×65	5.85	333/120	333/150	4
M-14-46-65-50-AP1	457×610×65	7.81	450/120	450/150	5
M-14-49-65-50-AP1	457×915×65	11.71	680/120	680/150	7
M-14-412-65-50-AP1	457×1220×65	15.61	1200/120	1200/150	13
M-14-418-65-50-AP1	457×1830×65	23.42	1380/120	1380/150	17
M-14-66-65-50-AP1	610×610×65	10.42	600/120	600/150	9
M-14-67-65-50-AP1	610×762×65	13.02	750/120	750/150	10
M-14-69-65-50-AP1	610×915×65	15.63	900/120	900/150	12
M-14-612-65-50-AP1	610×1220×65	20.84	1200/120	1200/150	15
M-14-615-65-50-AP1	610×1525×65	26.05	1500/120	1500/150	18
M-14-618-65-50-AP1	610×1830×65	31.26	1800/120	1800/150	20
M-14-77-65-50-AP1	762×762×65	16.26	950/120	950/150	13
M-14-79-65-50-AP1	762×915×65	19.52	1130/120	1130/150	16
M-14-712-65-50-AP1	762×1220×65	26.03	1060/120	1060/150	21
M-14-715-65-50-AP1	762×1525×65	32.54	1900/120	1900/150	24
M-14-718-65-50-AP1	762×1830×65	39.04	2280/120	2280/150	27
M-14-99-65-50-AP1	915×915×65	23.44	1350/120	1350/150	19
M-14-912-65-50-AP1	915×1220×65	31.26	1800/120	1800/150	23
M-14-915-65-50-AP1	915×1525×65	39.07	2250/120	2250/150	26
M-14-918-65-50-AP1	915×1830×65	46.88	2700/120	2700/150	29

* Filters are available in any specific size on request

M plastic/MB Filter

M plastic / MB filter

The "M plastic / MB filte" filter type is an H.E.P.A. or U.L.P.A. (also available in OPACIMETRIC) with pleated media in mini pleats and HOTMELT separators (which reduces the pressure drop compared to the flow). This filter is designed for the filtration of ultrafine particles. It is used in the following fields: pharmaceutical, electronics, optics, research centers, clean rooms. This panel filter comes in a wide variety of sizes and thicknesses. It is used as a terminal filter for laminar flow hoods and clean room ceilings. The "M plastic / MB filte" filters are tested according to the latest international standards, ISO 9001, US standard and EN 1822.

Our "M plastic / MB filte" filters are manufactured and packaged in a clean room and are guaranteed to be silicone free.

Applications: Final filtration for clean rooms and laminar flow equipment

Type: HEPA / ULPA fluid seal filter panel

Frame: Plastic 48/68,5/292

Gasket: Expanded polyurethane

Media: Fiberglass paper

Separators: Hot-melt separators

Sealant: Polyurethane

Grid: Mild steel painted white epoxy upstream and downstream

Efficiency EN 1822: H14 and U15

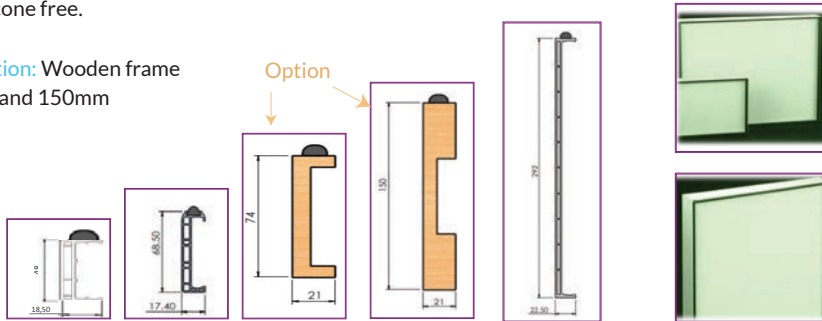
MPPS efficiency: 99.995% and 99.9995%

Temperature: 70 °C maximum

Control: 100%

Option: Laminar veil (silk mesh)

Option: Wooden frame
74 and 150mm



Reference	Dimensions [mm]	Efficiency EN 1822	Media area [m²]	Flow / ΔP nominal [m³/h/Pa]	Weight [Kg]
M-13-36-48-45-PP-1	305×610×48	H13	4.71	270/110	6
M-13-46-48-45-PP-1	457×610×48	H13	7.03	410/110	8
M-13-66-48-45-PP-1	610×610×48	H13	9.37	550/110	11
M-13-36-68-65-PP-1	305×610×65	H13	5.21	290/100	4
M-13-46-68-65-PP-1	457×610×65	H13	7.81	450/110	5
M-13-66-68-65-PP-1	610×610×65	H13	10.42	600/110	9
M-13-36-292-170-PP-1	305×610×292	H13	14	670/110	7
M-13-46-292-170-PP-1	457×610×292	H13	21	1000/110	9
M-13-66-292-170-PP-1	610×610×292	H13	28	1370/110	12
M-14-36-48-45-PP-1	305×610×48	H14	4.7	270/120	6
M-14-46-48-45-PP-1	457×610×48	H14	7.03	410/120	8
M-14-66-48-45-PP-1	610×610×48	H14	9.37	550/120	11
M-14-36-68-65-PP-1	305×610×65	H14	5.21	290/120	4
M-14-46-68-65-PP-1	457×610×65	H14	7.81	450/120	5
M-14-66-68-65-PP-1	610×610×65	H14	10.42	600/120	9
M-14-36-292-170-PP-1	305×610×292	H14	14	670/120	7
M-14-46-292-170-PP-1	457×610×292	H14	21	1000/120	9
M-14-66-292-170-PP-1	610×610×292	H14	28	1370/120	12

* Filters are available in any specific size on request

M93 Filter

M93 Filter

The type "M93" filter is an H.E.P.A. or U.L.P.A. (also available in OPACIMETRIC) with pleated media in mini pleats and HOTMELT separators (which reduces the pressure drop compared to the flow). This filter is designed for filtration of ultrafine particles. It is used in the following fields: pharmaceutical, electronics, optics, research centers, clean rooms. This panel filter comes in a wide variety of sizes and thicknesses. It is used as a terminal filter for laminar flow hoods and clean room ceilings. The "M93" filters are tested according to the latest international standards, ISO 9001, US standard and EN 1822. Our "M93" filters are manufactured and packed in a clean room and are guaranteed to be silicone free.

Applications: Final filtration for clean rooms and laminar flow equipment

Type: HEPA / ULPA fluid seal filter panel

Frame: Anodized aluminum profile

Gasket: Expanded polyurethane

Media: Fiberglass paper

Separators: Hot-melt separators

Sealant: Polyurethane

Grid: Epoxy painted grid upstream and downstream

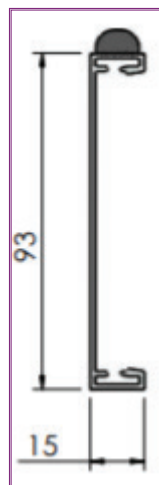
Efficiency EN 1822: H14 and U15

MPPS efficiency: 99.995% and 99.9995%

Temperature: 70 ° C maximum

Control: 100%

Option: Laminar veil (silk mesh)



Reference	Dimensions [mm]	Media area [m²]	Flow [m³/h]/ΔP to 0,45m/s [m³/h/Pa]		Weight [Kg]
			H14	U15	
M-14-36-93-78-AP1	305×610×93	7.8	430/120	430/150	5
M-14-37-93-78-AP1	305×762×93	9.75	570/120	570/150	6
M-14-49-93-78-AP1	457×915×93	17.57	1020/120	1020/150	8
M-14-412-93-78-AP1	457×1220×93	23.42	1800/120	1800/150	14
M-14-66-93-78-AP1	610×610×93	15.63	900/120	900/150	10
M-14-67-93-78-AP1	610×762×93	19.53	1120/120	1120/150	11
M-14-69-93-78-AP1	610×915×93	23.45	1300/120	1300/150	13
M-14-612-93-78-AP1	610×1220×93	31.26	1700/120	1700/150	16
M-14-6001210-93-78-AP1	600×1210×93	30.49	1700/120	1700/150	16

* Filters are available in any specific size on request

M150/292 Filter

M150/M292 Filter

The "M150 / 292" type filter is an H.E.P.A. or U.L.P.A. (also available in OPACIMETRIC) with pleated media in mini pleats and HOTMELT separators (which reduces the pressure drop compared to the flow). This filter is designed for filtration of ultrafine particles. It is used in the following fields: pharmaceutical, electronics, optics, research centers, clean rooms.

This panel filter comes in a wide variety of sizes and thicknesses.

It is used as a terminal filter for laminar flow hoods and in clean room ceilings.

The "M150 / 292" is suitable for installation in an air handling unit, for the filtration of clean rooms.

"M150 / 292" filters are tested according to the most recent and international standards, ISO 9001, US standard and EN 1822. Our "M150 / 292" filters are manufactured and packed in clean rooms and are guaranteed to be silicone free.

Applications: HEPA filter for high air flows

Type: Pleated filter

Frame: Aluminum

Gasket: Expanded polyurethane

Media: Fiberglass paper

Separators: Hot-melt separators

Sealant: Polyurethane

Efficiency EN 1822: H13-H14

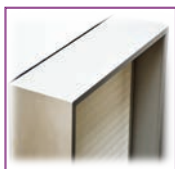
MPPS efficiency: 99.95 - 99.995%

Temperature: 70°C maximum

Max relative humidity: 100%

Mounting system: Contact us

Option: Laminar veil (silk mesh)



M150 Profile M292 Profile

Reference	Dimensions [mm]	Efficiency EN 1822	Media area [m²]	Flow / ΔP nominal [m³/h/Pa]	Weight [Kg]
M13-33-150-75-AP	305×305×150	H13	3.4	500/250	4
M13-36-150-75-AP	305×610×150	H13	6.7	1000/250	6
M13-46-150-75-AP	457×610×150	H13	10	1500/250	8
M13-66-150-75-AP	610×610×150	H13	13.4	2000/250	11
M13-33-292-170-AP	305×305×292	H13	7	700/250	5
M13-36-292-170-AP	305×610×292	H13	14	1400/250	7
M13-46-292-170-AP	457×610×292	H13	21	2100/250	9
M13-66-292-170-AP	610×610×292	H13	28	2850/250	12
M14-33-150-75-AP	305×305×150	H14	3.4	450/250	4
M14-36-150-75-AP	305×610×150	H14	6.7	900/250	6
M14-46-150-75-AP	457×610×150	H14	10	1400/250	8
M14-66-150-75-AP	610×610×150	H14	13.4	1800/250	11
M14-33-292-170-AP	305×305×292	H14	7	600/250	5
M14-36-292-170-AP	305×610×292	H14	14	1300/250	7
M14-46-292-170-AP	457×610×292	H14	21	1900/250	9
M-14-66-292-170-AP	610×610×292	H14	28	2600/250	12

* Filters are available in any specific size on request

M PTFE Filter

M PTFE Filter

The "M PTFE" type filter is an H.E.P.A. or U.L.P.A. (also available in OPACIMETRIC) with pleated media in mini pleats and HOTMELT separators (which reduces the pressure drop compared to the flow). This filter is designed for filtration of ultrafine particles. The TEMISH NTF9000 series is a high performance air filter that combines a porous PTFE membrane with excellent dust collection properties and a nonwoven fabric chosen for its high performance air filtration / using advanced technology. In the semiconductor industry, higher integration and larger LCD screens create demand for a cleaner environment, and the need for air filters with higher performance increases as a result.

This panel filter comes in a wide variety of sizes and thicknesses. It is used as a final filters for laminar flow hoods and in clean room ceilings. "M PTFE" filters are tested according to the most recent international standards, ISO 9001 and EN 1822. Our "M PTFE" filters are manufactured and packed in a clean room and are guaranteed to be silicone free.

Applications: Final filtration for clean rooms and laminar flow equipment

Type: ULPA filter panel

Frame: Anodized aluminum profile

Gasket: Expanded polyurethane

Media: PTFE paper

Separators: Hot-melt separators

Sealant: Polyurethane

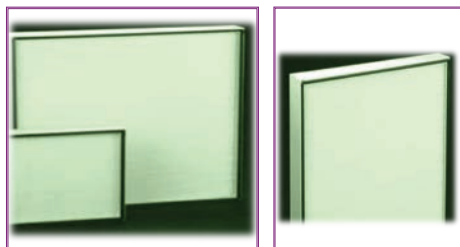
Grid: Epoxy painted grid upstream and downstream

Efficiency EN 1822: U16

MPPS efficiency: 99.9995%

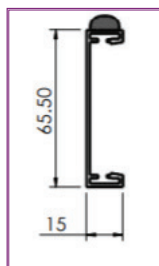
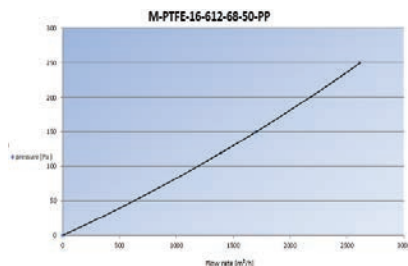
Temperature: 70 °C maximum

Control: 100%



Reference	Dimensions [mm]	Efficiency EN 1822	Media area [m²]	Flow/ ΔP at 0,45m/s [m³/h/Pa]	Weight [Kg]
M-PTFE-16-36-65-50-AP	305×610×65	U16	5.21	350/120	4
M-PTFE-16-39-65-50-AP	305×915×65	U16	7.81	540/120	6
M-PTFE-16-66-65-50-AP	610×610×65	U16	10.42	720/120	9
M-PTFE-16-69-65-50-AP	610×915×65	U16	15.63	1050/120	12
M-PTFE-16-612-65-50-AP	610×1220×65	U16	20.84	1400/120	15

* Filters are available in any specific size on request



Jet Filter

Jet Filter

The "JET" type filter is an H.E.P.A. or U.L.P.A. (efficiency H14 - U15) with pleated media in mini-pleats and HOTMELT separator (which reduces the pressure drop compared to the flow) it is designed for the filtration of ultrafine particles in clean rooms. The "JET" filters are tested according to the most recent and international standards, ISO 9001, US standard UL 900 and EN 1822. The "JET" filter fits perfectly into the ceilings of ISO1 to ISO9 class clean rooms. Our "JET" filters are manufactured and packaged in clean rooms and are guaranteed to be silicone free.

Option: Half-round joint, media depth 50 and 70 mm, stainless steel, aluminum structure. Side connection, Adjustment valve with aerosol outlet for 100% adjustment.

Stainless steel protection grid

Applications: Final filtration for clean rooms and laminar flow equipment

Frame: Structure of the ABS casing / galvanized steel / stainless steel

Special features: Sound absorbers in the center of the box, air diffuser for better laminarity

Connection direction: Horizontal / vertical

Setting point: 100% setting for leak detection control (with or without)

Valve: With or without

Media: Fiberglass paper

Characteristics

- ABS structure avoids condensation and requires no additional thermal insulation
- Increased filtration area thanks to its unique design
- High holding capacity
- Anodized aluminum frame
- Very long service life
- Simple installation
- Protection grid
- Individual control with number standard and certificate
- Leak detection (scanning)
- Rigid cardboard packaging



Gasket: Flat, half-round, without

Filter grid: White epoxy painted, stainless steel

Efficiency EN 1822: H14 and U15

MPPS efficiency: 99.995% and 99.9995%

Total weight: Less than 20kg

Maximum temperature: 80 °C

Relative humidity: 100%



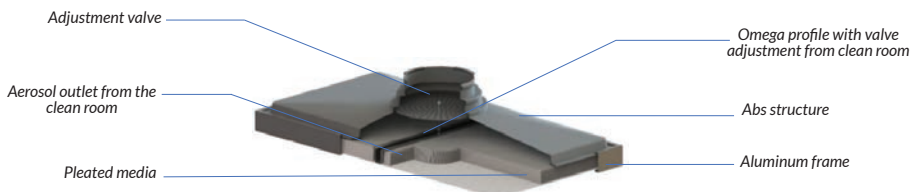
Housing with an H14 absolute filter and a Swirl diffusion grid with air connection on the side



Housing with H14 absolute filter and Swirl diffusion grid with top air connection

Référence	Dimensions [mm]	Efficiency EN 1822	Connection diameter		Flow / ΔP nominal [m³/h/Pa]	Weight [Kg]
			A	B		
JET-14-36-FR	305×610×155	H14	160	160	600/140	5
JET-14-37-FR	305×762×155	H14	160	160	750/140	6
JET-14-66-US	590×590×235	H14	200	250	590/140	10
JET-14-66-IL	600×600×235	H14	200	250	610/140	10
JET-14-66-FR	610×610×235	H14	200	250	630/140	10
JET-14-612-US	590×1200×235	H14	250	300	1200/140	16
JET-14-612-IL	600×1210×235	H14	250	300	1220/140	16
JET-14-612-FR	610×1220×235	H14	250	300	1240/140	16

* Filters are available in any specific size on request



Fan Filter Unit

(FFU) FANJET

FANJET

The air is drawn in through a G3 prefilter by a powerful and silent motor fan. The overpressure air is filtered by a HEPA filter (ULPA option). The MONOBLOC system guarantees the integrity of the box.

The new FANJET type FFU boxes with ECM system (direct current) allow centralized management by PC. A network driver links the boxes together to the PC station. Possibility of remote management by Internet.

ECM fan technologies

The automatic flow regulation compensates for clogging of the absolute filter and thus ensures a constant air flow. The ECM fan is supplied with direct current and has many advantages

- Low consumption: reduced from 30% to 40% compared to conventional fans
- Very high yield
- Low heat loss
- Regulation without probe (speed or pressure) independent of surrounding conditions
- Very high precision
- Low noise level

Applications: Final filtration for clean rooms and laminar flow equipment

Fan type: AC-normal, DC-ecm

Housing: Aluminum housing and filter frames

Nominal use: 80W, 800rpm

Rated power: 240W

Maximum rotation speed: 1200 rpm/min

Special features: Sound absorbers in the center of the box, air diffuser for better laminarity

Media: Fiberglass paper

Filter grid: P-epoxy, X-stainless

Efficiency EN 1822: H14 and U15

MPPS efficiency: 99.995% and 99.9995%

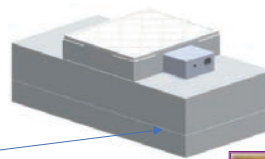
DOP / EMERY TEST efficiency: 99.999% and 99.9999%

Total weight: Less than 35kg

Maximum temperature: 80 °C

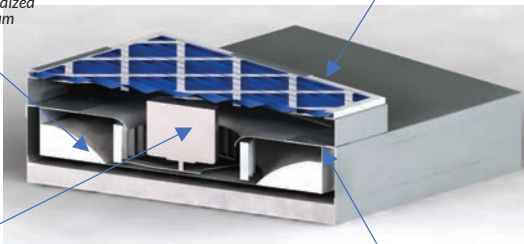
Relative humidity: 100%

Benefits: Modbus and Bacnet compatible, ETL/UL listed



FILTRATION
HEPA filter
 Filter: Miniplis type
 Efficiency: 99.995%
 MPPS H14
 Protection grid: epoxy painted steel
 Frame: anodized aluminum

PREFILTRATION
 Frame: cardboard
 Efficiency: 85% ASHRAE (G3)
 Media: synthetic

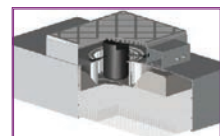


VENTILATION

- Fan**
- Normal use: 120 W, 1000 rpm / 220-230V
 - Power: 240W / 220-230V (max)
 - Turbine rotation: 1200 rpm (max)
 - Noise level: 54 dBA (48 dBA on false ceiling)
 - Voltage: 110 V / 230 V

SOUND ABSORBERS

Available references:
 Fanjet 6/6
 Fanjet 6/9
 Fanjet 6/12
 Fanjet 12/12



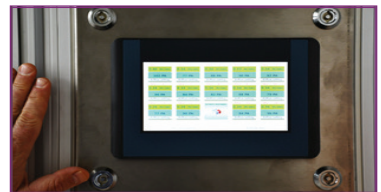
Fan Filter Unit

Fan Filter Units (FFU) FANJET

Modèle		FAN JET 6/6	FAN JET 6/9	FAN JET 6/12	FAN JET 12/12
Fan	DC	entec type DC motor with ECM technology ref. DF 280ECM DF 280 ECM motor type			DF 315ECM
	AC	DF 280 AC			DF 315 AC
Prefilter	Type	W-04-16-20-1	W-04-20241-C	W-04-20241-C	W-04-20242-C
Feed filter EN 1822: H14 99,995% MPPS		M-14-600-600-250- 78-AP	M-14-600-905-250- 78-AP	M-14-600-1210-250- 78-AP	M-14-1160-1160-250- 78-AP
Maximum temperature [°C]		55°C	55°C	55°C	55°C
Maximum hygrometry		80%	80%	80%	80%
Sound level (0,45m/s)		47 dBA in false ceiling	47 dBA in false ceiling	47 dBA in false ceiling	47 dBA in false ceiling
		up to 54 dBA maximum	up to 54 dBA maximum	up to 54 dBA maximum	up to 54 dBA maximum
Dimensions and weight					
Weight [lbs]		70	77	84	119
Lenght	actual	23.6	23.6	23.6	45.7
	nominal	23.8	23.8	23.8	47.6
Width	actual	23.6	35.4	47.6	45.7
	nominal	23.8	35.6	47.8	47.6
Height	actual	13.8	13.8	13.8	15
Debit and pressure					
Debit	nominal	353	412	471	1059
	maximum	588	647	706	1471
Pressure drop	initial	0.31	0.35	0.39	0.47
	clogging	0.79	0.87	0.98	1.18
	maximum	0.98	1.1	1.18	1.38
Electrical data					
Nominal I		1A	1A	1A	1,7A
Max I		2,5A	2,5A	2,5A	4A
Start up I		4A	4A	4A	10A
Protection		4A D curve	4A D curve	4A D curve	4A D curve
Nominal power		150W	150W	150W	300W
Maximum power		400W	400W	400W	600W



There are also several advantages in the IMH control panel. Amongst them, a wide variety of communication protocols as well as a possibility of adjustment, notably box by box are available and possible.



Fan Filter Unit

Fan Filter Units (FFU) I-GEL

The I-GEL is an independent filtration box (FFU) with ECM motorization. The fan is a combination of a motor with ECM technology and a turbine mounted into a soundproof box. This system guarantees a constant air flow whatever the pressure drop (or the clogging of the filter) in the available pressure range. The box and its ECM engine cover are assembled using an easily removable system in the case of replacing the filter. This optimized assembly principle guarantees perfect sealing of the FFU. The FANJET is equipped with high-end technology, has a very affordable price as well as being light weight and not very high.

Applications: Terminal filtration for clean rooms and laminar flow equipment

Fan type: AC-normal, DC-ecm

Frame: A-aluminum, S-stainless steel

Nominal use: 80W, 800rpm

Rated power: 240W

Maximum rotation speed: 1200rpm

Hanger rings: N-without, H-with

Media: Fiberglass paper

Filter grid: P-epoxy, X-stainless

Efficiency EN 1822: H14 and U15

MPPS efficiency: 99.995% and 99.9995%

DOP / EMERY TEST efficiency: 99.999% and 99.9999%

Maximum temperature: 80 °C

Relative humidity: 100%

Benefits

- Low consumption: reduced by 30 to 40% compared to conventional fans
- Low temperature rise
- Absence of sensors (speed or pressure) to regulate the flow
- Very high precision
- Low noise level
- MODBUS and Bacnet compatible

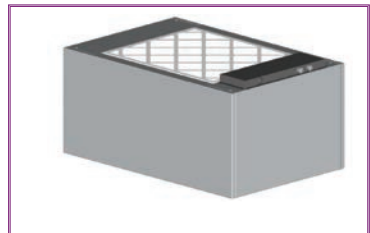
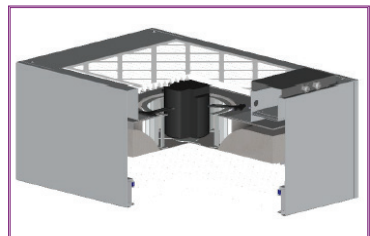
I-GEL: a box fitted with a pleated filters with BLUE GEL allowing the possibility of maintenance from underneath without leaving the clean room and without dismantling the box

ECM technologies (available in DC direct current version)

Automatic regulation of the air flow according to the fouling of the filter, controlled by piloting and control software type EOL 2.

Principle: The on-board microprocessor measures and analyzes several parameters in real time: current, torque, engine speed. Using these parameters, the software corrects the data in order to reposition the fan on its operating curve. The caissons can be fitted with a TAC VIEWER type control screen allowing the real-time reading of the flow speed, pressure and flow rate of the box.

This box is perfectly suited to T-BAR structures. The supreme advantage of the I-GEL is the possibility of maintenance from underneath without leaving the clean room



CA Filter

Charcoal-Carbhone Filter

Gas adsorption of chemical contamination

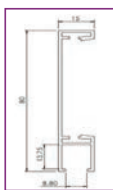
The CA filter is used for the filtration of chemical contamination specific to the medical, pharmaceutical and electronic fields in order to guarantee concentrations of an acceptable level downstream of the filters.

The CA filter can also be used for applications in conventional air handling systems to reduce pollution levels (odors, volatile organic components, etc.).

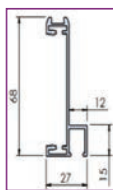
The AC filter allows a significant reduction in energy consumption (less fresh air to be treated). Note that the AC filter has a high resistance to chemicals, the possibility of recharging as well as it's producing a low pressure drop.

Application

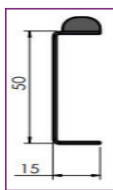
- Treatment of solvents or other harmful vapors before extraction
- Deodorization
- Fresh air filtration before injection into the air conditioning circuit



CAK



CAIK



CA



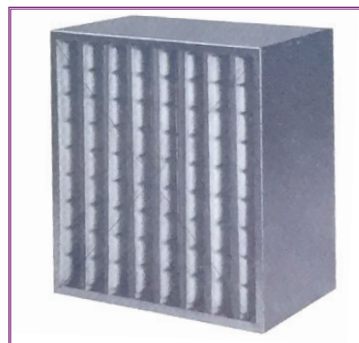
CA

Benefits

- Ease of installation
- Economical to resolve odor issues
- Filter panels with particle prefilter
- Ideal for air recovery in clean rooms and mini environments

Construction

- Galvanized steel frame
- Activated carbon granules retained between 2 perforated grids and filter media
- Dihedral construction for high flow filters (above 200mm thick)



CA-125

Reference	Construction	Dimensions [mm]	Coal thickness [mm]	Flow / ΔP nominal [m ³ /h/Pa]	Mass of coal [kg]	Weight [Kg]
CA-33	Sign	305×305×70	65	70/90	2.5	4
CA-36	Sign	305×610×70	65	140/90	5	8.2
CA-37	Sign	305×762×70	65	170/90	7	12
CA-39	Sign	305×915×70	65	210/90	9	14.5
CA-66	Sign	610×610×70	65	280/90	10	12.9
CA-25-125	Dihedral	290×590×200	25	850/120	5	10
CA-55-125	Dihedral	590×590×200	25	1700/120	10	20
CA-36-125	Dihedral	300×600×200	25	850/120	5	10
CA-66-125	Dihedral	600×600×200	25	1700/120	10	20
CALK-36	Sign	355×663×70	65	140/90	5	8.5
CALK-39	Sign	355×920×70	65	210/90	8	9.5
CALK-612	Sign	562×1172×80	65	560/90	20	25

* Filters are available in any specific size on request

Frame Filter

Absolut Frame

Cadre « ABSOLUT » pour Filter absolu CH 6/6

The universal frame is a mounting accessory that fits most standard very high efficiency filters. The frame consists of a perfectly flat and uneven joint surface on which the filter will be installed. The latter is fixed by 4 fixing mounting bracket.

The "ABSOLUT" type CH frame is suitable for a wide range of filters: DH - high capacity and high flow filters.

Benefits

- Suitable for all installations
- Quick and easy installation
- Frame assembly system for construction of filtration walls



Applications: Type CH is suitable for a wide range of filters

Frame: Galvanized steel

Option: 304L / 316 stainless steel frame

Reference	Frame	Frame dimensions [mm]	Filter dimensions [mm]	Weight [Kg]
CH-36	Galvanized	321×626×335	305×610×292	10
CH-66	Galvanized	626×626×335	610×610×292	12.5
CH-25	Galvanized	305×610×335	292×592×292	9.8
CH-55	Galvanized	610×610×335	592×592×292	12.3

Univers Frame

The universal frame is a mounting accessory that fits most standard filters of very high and medium efficiency. The frame consists of a joint plane (which can itself be covered with a polyurethane gasket) on which the filter will be installed. The latter is fixed by 4 springs. The "UNIVERSE" type C frame is suitable for a wide range of filters:

W, AMER / DURA,
FPR, FP, AML / AM.

Benefits

- Suitable for all installations (UNIVERSAL)
- Quick and easy installation
- Standard depths 70 and 115mm
- Frame assembly system for construction of filtration walls



Reference	Frame	Framedimensions [mm]	Filterdimensions [mm]	Weight [Kg]
C-36-A	Galvanisé	305×610×70	290×590×50	1.9
C-46-A	Galvanisé	507×610×70	490×590×50	2.3
C-66-A	Galvanisé	610×610×70	590×590×50	2.6
C-36-B	Galvanisé	305×610×115	290×590×100	2.5
C-46-B	Galvanisé	507×610×115	490×590×100	2.9
C-66-B	Galvanisé	610×610×115	590×590×100	3.1

BIBO

BIBO housings can provide a filter change without contamination. They are available in single modules or in multimodule systems depending on the filtration stage required and the air volume.

The housings consist of a robust gas-welded

sheet metal construction and has a door, which is fixed by 4 star grip screws. Each box has a separate safety change facility for each filter, a PVC bag is attached to it by means of a rubber locking ring.



Option: Additional door for prefilter

Reference	Unitary connection [mm]	Frame dimensions [mm]	Filter dimensions [mm]	Weight [Kg]
BIBO-663	625×625	725×525×725	610×610×292	50
BIBO-66	625×625	725×330×725	610×610×98	40

* Filters are available in any specific size on request

CH6/6

C6/6



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