



Hygienic Filtration & Cleanroom Turnkey Solutions



Filters & Cleanrooms



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About Us

Your partner in Air Technologies EuroVentus® promise to supply you with high-end quality HVAC & Filtration solutions. Through our multinational partnerships we design, manufacture and supply Fans, Filtration, Air Handling Units, Air Curtains and other specialized HVAC products that are tailored to operate in extreme weather conditions. Our Products are carefully designed to operate in high and low temperatures, rainy, snowy windy and dusty conditions, motorized by the world's leading manufacturing brands, coated with weather resistant materials then certified with European and International Standards. The results are an environmentally friendly range customized to suite your requirements . No matter where you are in the world EuroVentus is ready to serve you, through our European Manufacturing & Logistic we will be able to fulfill your requirements, all you have to do is reach out to us.

Initial (Per) Filter Cotton

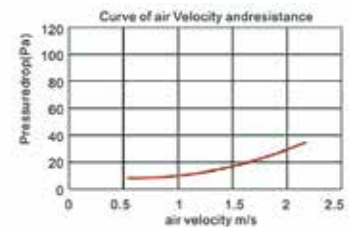
Pro Anti Leakage
Pro Anti Bacterial
Waterproof
Low resistance
Elastic



Application and usage

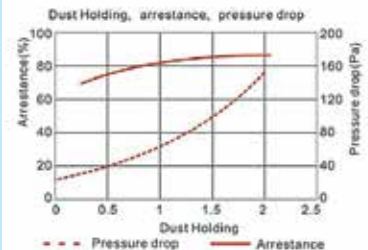
Applicable to all kinds of ventilation equipment. dust removal equipment air supply system filtration

- Air conditioning and air ventilation system dust removal
- All kinds of mechanical and electrical equipment, machine room
- High quality spraying system and pre filtration of air supply system in the baking room
- Slice use, slice frame use, whole roll use



Technical index

Filter class:	Frame retardant grade:	Moisture resistance (relative Humidity):
G2 (EN779), EU2 (EUROVENT)	FI (DIN 53438), BI (GB/T 17591-2006)	<100%RH
Filtration objects:	Final resistance:	Resistant temperature:
>5um Coarse dust and foreign objects	250 Pa (recommended)	<100°C
Average efficiency:	Dust holding capacity:	Instant temperature:
>75% (ASHRAE 52.1-1992)	400g/m ²	<120°C



Materials and features

- Using polyester fiber (PET) with elastic and anti-faulling. It is made by fusion process.
- It is washable and can be reused after spraying treatment, or the dust can be removed by slapping and anti-blowing

Technical Parameters

Nominal Media Velocity (m/s)	Rated Air Flow (m ³ /h)	Initial Resistance(pa)	Final Resistance(pa)	Dust Holding Capacity(g/m ²)	Dimensions		
					Height (m)	Length (m)	Thickness (mm)
1.3	5400	25	250	600	1-2	50	20
1.5	4800	25	260	550	1-2	50	18

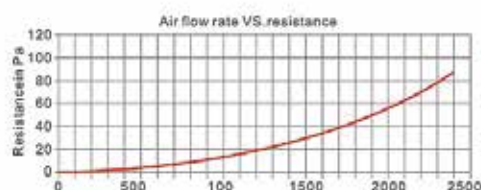


- Pro Anti Leakage
- Pro Anti Bacterial
- Low resistance
- Elastic
- High dust holding capacity
- Reinforced net on the air outlet side

Application and usage

Mainly used in air intake system and coating workshop with special strict requirement for air purification

- Fine filtration for the air supply of spray paint room and baking room
- Coating equipment, coating system, coating workshop dust removal
- High quality spraying system and secondary filtration of air supply system in the baking room
- Slice use, slice frame use and whole roll use



Technical index

Filter class:	Frame retardant grade:	Moisture resistance (relative Humidity):
F5/M5(EN779), EU 5 (EUROVENT)	FI(DIN 53438), BI(GB /T 175 91-2006)	<100%RH
Filtration objects:	Final resistance:	Resistant temperature:
10um The particle	400 Pa(recommended)	<100°C
Average efficiency:	Dust holding capacity:	Instant temperature:
>98% (ASHRAE 52. 1-1992)	600g/m²	< 120°C



Materials and features

- Using polyester fiber (PET) with elastic and anti-Faulting, it was made by fusion process
- Each fiber is treated with special viscosity to improve the persistent adhesion of the collected particles to meet the strict quality requirements in coating technology
- The air outlet is coated and reinforced to ensure the effect of both strength and overwind
- Have certain corrosion resistance to the general solvent, weak acid and weak base

Technical Parameters

Model number	Dimensions			Normal media velocity(m/s)	At the beginning of the resistance(Pa)	Normal media velocity (f[13]11)
	Height (m)	Length (m)	Thickness (mm)			
VTF-600G	0.67	0.8	22+2	0.25	<45	900

Paint Mist Felt

(Paint Screen, Glass Fiber Cotton/Ground Cotton)



Speciality

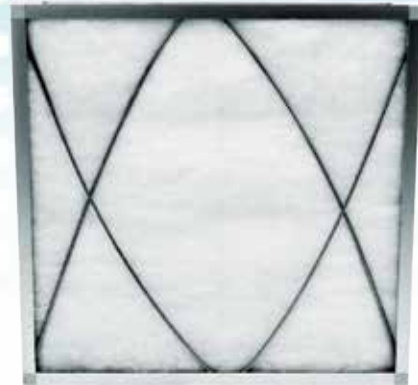
- Used in painting-spray filtration, high capture rate
- Encrypted structure of intensive glass fiber; the air inlet side is green, the air outlet side is white

Technical Parameters

Model	PA-50/60	PA-100
Weight	240 g/m ²	320 g/m ²
Filter Efficiency	92%-96%	97-99%
Initial Resistance	15 Pa	20 Pa
Final resistance	250 Pa	280 Pa
Air velocity	0.7-1.5 m/s	0.7-1.75m/s
Dust holding capacity	3200-3600 g/m ²	3600-4900 g/m ²
Maximum temperature	170°C	170°C
Thickness	50/60mm	100mm
Width	0.8/1.0/2.0 m	

Note: Other specifications can be customized according to demand

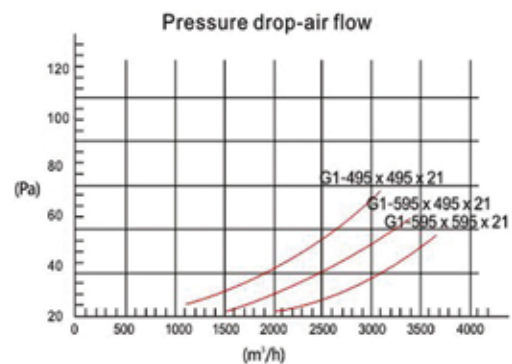
G1 Pre Air Filter



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Features

- G1 Pre filter is available in efficiency of 40% on 5 micron particles
- Large airflow
- Low resistance
- High dust holding capacity



Application

- Used-as first stage filtration in air condition system
- Pre-filtration in multilateral filtration system

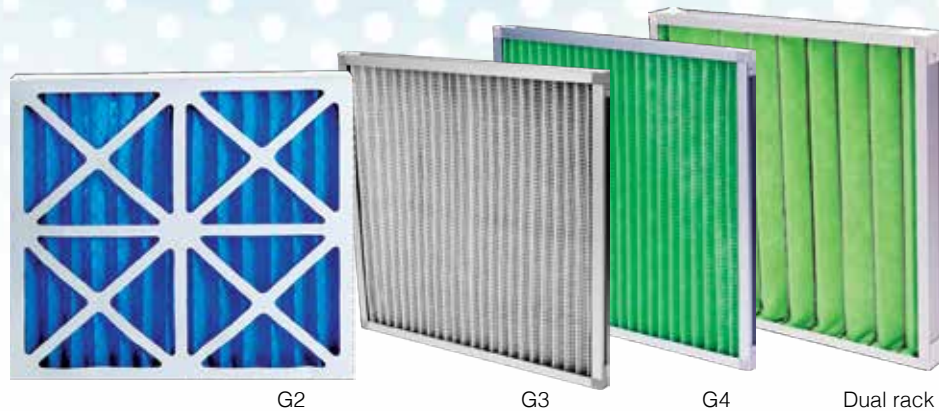
Technical Parameters

Model	Dimensions (mm) WxHxD	Rated Air Flow (m³/h)	Initial resistance (pa)	Efficiency %	Class	Material		
						Frame	Media	Protective nets
G1	595x595x21	3200	25	40 Arrestance	G1	Cardboard	G1 non-woven fabrics	Square
	595x495x21	2700				Aluminum		nets with
	595x295x21	1600				alloy		two-sided
	495x495x21	2200				Galvanized		spraying
	295x295x21	800				sheet		paint

Note: Other specifications can be customized according to demand

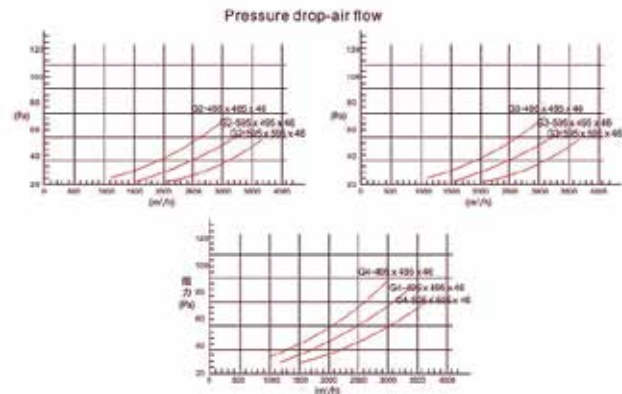
G2/G3/G4 Pre Air Filter/ Washable Filter

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Features

- G2/G3/G4 Pre air filter is available in efficiency of 80%-90% on 5 micron particles
- Large airflow
- Low resistance
- High dust holding capacity



Application

- Used as first stage filters in air condition system
- Pre filtration in multi filtration system

Technical Parameters

Model	Dimensions (mm) WxHxD	Rated Air Flow (m ³ /h)	Initial resistance (pa)	Efficiency %	Class	Material		
						Frame	Media	Protective nets
G2	595x595x46	3200	25	80% Arrestance	G2	Cardboard	G2/G3/G4	Galvanized
	595x495x46	2700				Aluminum alloy	non-woven	mesh
G3	595x295x46	1600	30	85% Arrestance	G3	Galvanized	fabrics	
	495x495x46	2200				sheet		
G4	295x295x46	800	45	90% Arrestance	G3	Aluminum alloy		
Dual rack	290x595x46	1700	30	G3	G3		G3/G4	NA
	595x595x46	3400	40	G4	G4		non-woven	
	290x595x46	1700					fabrics	
	595x595x46	3400						

Note: Other specifications can be customized according to demand

GN Nylon Mesh Pre Air Filter



Features

- Large airflow
- Low resistance
- Can be washed repeatedly, Long service life

Application

- Used as first stage filters of central air- conditioning and household air conditioner

Technical Parameters

Model	Dimensions (mm) WxHxD	Material	
		Frame	Media
GN	595x595x10/21	Aluminum alloy Galvanized sheet	Nylon mesh
	595x495x10/21		
	595x295x10/21		
	495x495x10/21		

Note: Other specifications can be customized according to demand



Features

- Large airflow
- Low resistance
- Can be washed repeatedly, Long service life

Application

- Used as first stage filters of central air-conditioning and as ventilation filter that can stand acid, alkali and high temperature resistant

Technical Parameters

Model	Dimensions (mm) WxHxD	Material	
		Frame	Media
GH	595x595x21	Aluminum alloy	Wire netting
	595x495x21	Stainless steel	
	595x295x21	Galvanized sheet	
	495x495x21		

Note: Other specifications can be customized according to demand

GT High Temperature Resistant Pre Air Filter



Features

- Large airflow
- Low resistance
- Incombustibility
- Excellent chemical resistance, low moisture absorbing
- High temperature resistant and can be used over a long period of time under 250°C

Application

- General primary filtration
- Air filtration of hot air oven
- Air filtration of high temperature coating plant

Technical Parameters

Model	Dimensions (mm) WxHxD	Material	
		Frame	Media
GT	595x595x50	Stainless steel	Long thermos
	500x500x50	Aluminum alloy	resistant fiberglass
	495x495x21	Galvanized sheet	Short thermo
	480x480x21		resistant fiberglass

Note: Other specifications can be customized according to demand

F5-F8 Medium Efficiency Filter Structure



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Structure

- Outer frame: Galvanized frame/aluminum frame
- Inner box: each filter shall be fixed with a metal bar, increase the filter strength and prevent the filter bag from falling due to the friction of the wind when the wind speed is high
- Separation tablets: each bag has six separate slices in the bag width, preventing the filter bag from over expanding and covering each other, reducing the effective filtration area and efficiency
- Ultrasonic wave seal: the edges of each filter are fused by ultrasonic wave mode, with good air tightness and strength, without leakage or rupture.

Features

- Characteristics: the use of ultrafine synthetic fiber to make the method of special texture, avoid the possibility of the old glass fiber material may not be caused by the human body. The filter contains electrostatic fiber. The dust filtration efficiency of the sub-micron (less than 1 or less than 1micron) is particularly good, with high dust collection, high dust load and high permeability and high service life

Application and usage

Model number	Efficiency	Color	Application
F5	40-60%	White	Filter before the high efficiency filter
F6	60-80%	Green	The commercial building, the theatre, the station, airport
F7	80-90%	Orange	Spray paint car room, school, computer room
F8	90-95%	Light Yellow	Petrochemical industry, plastic industry, pharmaceutical factory, food factory, painting factory, electronics factory, hospital, laboratory
F9	95-99%	White	Precision electronics industry, defense factory, sterile room, sterile workshop

Note: Color can be customized according to customer's requirement

F5-F8 Filter Parameters



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Features

- Filtration of the dust air-conditioning ventilation system
- Applications: use the hot melt process, stable structure, reduce the risk of broken, long-term static non-woven fabric, lining the small pocket, shunt/flow, and keep the pocket, reduce loss, make full use of the filter material, has a long service life, the highest operating temperature is up to 80°C

Technical Parameters

Filter class	Dimensions (mm)	Number of pockets	Rated air flow (m³/h)	Initial resistance(pa)	Efficiency % En779	Material	
						Frame	Media
F5	595x595x600	6	3200	45	40-50 Dust-spot	Aluminum alloy Galvanized sheet	F5 non-woven fabric
	595x595x600	5	2700				
	595x495x600	6	2500				
	495x295x600	6	1600				
	495x295x600	4	1300				
F6	595x595x600	6	3200	45	60-70 Dust-spot	Aluminum alloy Galvanized sheet	F6 non-woven fabric
	595x595x600	5	2700				
	595x495x600	6	2500				
	495x295x600	6	1600				
	495x295x600	4	1300				
F7	595x595x600	10	3200	55	80-85 Dust-spot	Aluminum alloy Galvanized sheet	F7 non-woven fabric
	595x595x600	8	2700				
	595x495x600	10	2500				
	495x295x600	10	1600				
	495x295x600	8	1300				
F8	595x595x600	10	3200	55	90-95 Dust-spot	Aluminum alloy Galvanized sheet	F8 non-woven fabric
	595x595x600	8	2700				
	595x495x600	10	2500				
	495x295x600	10	1600				
	495x295x600	8	1300				

Note: Other specifications can be customized according to demand



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Features

- Fiber glass Filter Media
- High strength, good filtering capacity
- High Dust Holding Capacity
- Max. Operating temperature: 150°C

Technical Parameters

Filter class	Dimensions (mm)	Number of pockets	Filtration area (m ²)	Air flow (m ³ /h)	Initial resistance (pa)	Final resistance (pa)
35%(G4)	287x592x550	3	1.86	1700	15	350
	592x592x550	5	3.12	3400	20	
	592x592x600	6	3.78	3400	20	
	287x592x550	3	2.12	1700	20	
45%(F5)	592x592x550	5	3.66	3400	30	400
	592x592x600	6	4.40	3400	30	
	287x592x550	3	2.12	1700	45	
65%(F6)	592x592x550	5	3.66	3400	80	400
	592x592x600	6	4.40	3400	80	
	287x592x550	3	2.80	1700	100	
85%(F7)	592x592x550	5	4.78	3400	125	400
	592x592x600	6	5.78	3400	125	
	287x592x550	3	2.80	1700	110	
95%(F8)	592x592x550	5	4.78	3400	130	450
	592x592x600	6	5.78	3400	130	

Note: Other specifications can be customized according to demand

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Features

- Media/low efficiency glass fiber or PP
- Polypropylene frame, no toxic gas pollution when incineration disposal Large filtering area, low resistance and long service life
- The depth is 290mm only, suitable for the ventilation system that has limited space
- With flange frame, these series can be exchanged by pocket air filters

Technical Parameters

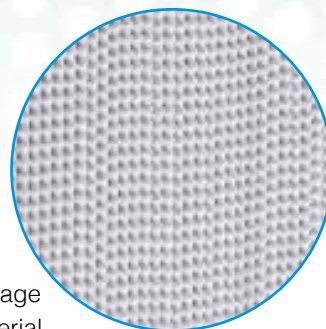
Model	Dimensions (mm) WxHxD	Rated air flow (m ³ /h)	Initial resistance (pa)	Efficiency %En779	Material			
					Media	Separator	Sealant	Frame
FV	592x592x292	3600	≤110	90%	pp	Thermosol	Polyurethane Rubber PU	Polypropylene
	287x592x292	1800	≤110	99%	PP			
				99.9%	or			
				95%	fiberglass			

Note: Other specifications can be customized according to demand

Wooden Frame/Galvanized Frame/ Aluminum Frame Paper Separator HEPA Filter

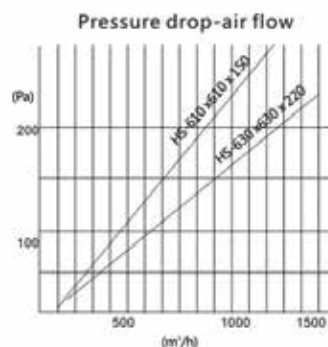


Pro Anti Leakage
Pro Anti Bacterial



Features

- Deep pleat HEPA Filter is available in efficiency of 99.95% to 99.999% on 0.5 micron particles
- Low resistance
- High dust holding capacity



Application

- Used in high Class purifying equipment
- Used as the terminal filters of purification system
- Used in partial purification equipment and Cleanroom

Technical Parameters

Model	Dimensions (mm)	Rated air flow (m³/h)	Initial resistance (pa)	Efficiency %En779	Material			
					Media	Separator	Sealant	Frame
HS	320x320x220	500	≤220	>99.99 Sodium flame	Fiberglass paper	Sized paper	Polyurethane Rubber PU	Sandwiching wooden frame
	484x484x220	1000						
	610x610x150	1000						
	820x600x150	1200						Galvanized sheet frame
	630x630x220	1500						
	968x484x220	2000						
	945x630x220	2200						
	1260x630x220	3000						Aluminum frame

Note: Other specifications can be customized according to demand

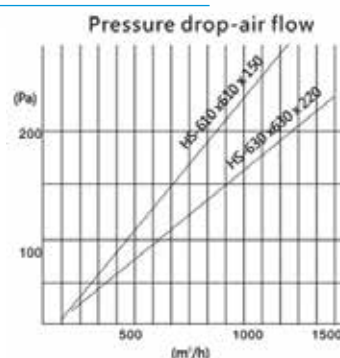
Galvanized Frame/ Aluminum Frame Separator HEPA Filter



Pro Anti Leakage
Pro Anti Bacterial

Features

- Deep pleat HEPA Filter is available in efficiency of 99.95% to 99.999% on 0.5 micron particles
- Low resistance
- High dust holding capacity



Application

- Used in high Class purifying equipment
- Used as the terminal filters of purification system
- Used in partial purification equipment and Cleanroom

Technical Parameters

Model	Dimensions (mm)	Rated air flow (m³/h)	Initial resistance (pa)	Efficiency %En779	Material			
					Media	Separator	Sealant	Frame
HS	320x320x220	500	≤220	>99.99 Sodium flame	Fiberglass paper	Aluminum Foil	Polyurethane Rubber PU	Galvanized steel frame
	484x484x220	1000						
	610x610x150	1000						
	820x600x150	1200						Aluminum
	630x630x220	1500						Alloy plate
	968x484x220	2000						
	945x630x220	2200						
	1260x630x220	3000						

Note: Other specifications can be customized according to demand

(plastic frame/galvanized frame/aluminum frame)



Pro Anti Leakage
Pro Anti Bacterial

Features

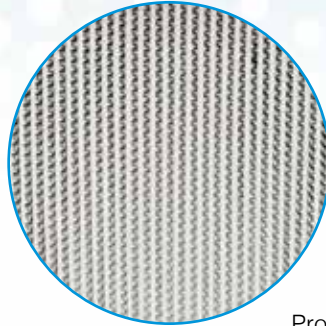
- Suitable for the terminal filtration of the air conditioning system with large air flow
- Large filtering area to make sure the low resistance on the large airflow side (3m/s)
- Sealant: Polyurethane
- Sealed material: Molding plastic polyurethane or neoprene
- Max. Operating temperature: 80°C
- Filtering Efficiency Class: H13 (EN 1822)
- Features: High efficiency, low resistance and large air flow

Technical Parameters

Model	Dimensions (mm)	Rated air flow (m ³ /h)	Initial resistance (pa)	Efficiency %En 779	Material			
					Media	Separator	Sealant	Frame
HV	592x592x292	3600	≤160	90%	Fiberglass paper	Thermosol	Polyurethane Rubber PU	Galvanized steel
				99%				Aluminum alloy plate
	287x592x292	1800	≤160	99.9%				Plastic frame
				99.99%				

Note: Acceptables platoon costumization

HT High Temperature Resistant HEPA Filter



Pro Anti Leakage
Pro Anti Bacterial

Features

- High efficiency.
- Low resistance.
- High dust holding capacity.
- High temperature resistant, can be used over a long period of time under 250-350°C.

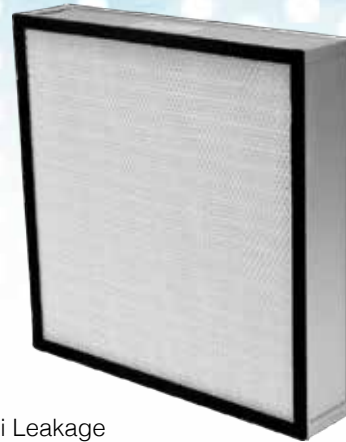
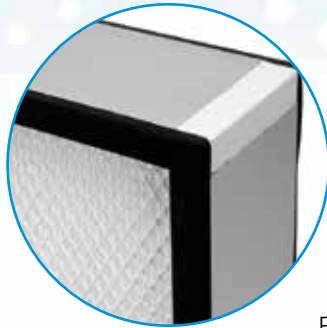
Application

- Commonly used in ultra-clean oven or other fields where high temperature resistant air purification equipment are required parameter.

Technical Parameters

Model	Dimensions (mm)	Rated air flow (m ³ /h)	Material			
			Media	Separator	Sealant	Frame
HT	320x320x220	500	Fiberglass paper	Aluminum Foil	Thermo- resistant glue	Stainless Steel
	484x484x150	600				
	610x610x150	1000				
	915x610x150	1500				Galvanized steel frame
	630x630x220	1500				
	1200x615x150	2000				

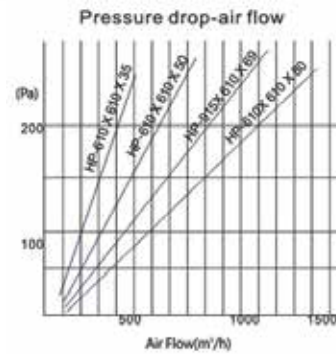
Note: Other specifications can be customized according to demand



Pro Anti Leakage
Pro Anti Bacterial

Features

- High efficiency
- Low resistance
- Light weight
- Easy to install
- Low cost



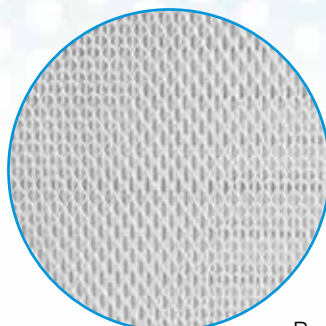
Application

- Typical applications include electronics, pharmaceuticals, foods and many other locations where ultra-clean air is required.

Technical Parameters

Model	Dimensions (mm) WxHxD	Rated air flow (m³/h)	Initial resistance (pa)	Efficiency	Frame	Galvanized sheet/ Aluminum profile
HP	305x305x35	110	≤160	99.99	Sealant	Polyurethane Rubber Pu
	610x610x35	450			Separator	Thermosol
	915x610x35	680			Media	Fiberglass paper
	305x305x50	180			Max. Operating temperature	80°C
	610x610x50	700			Max. Operating humidity	80%
	915x610x50	1100			Sealed material	Neoprene/ Polyurethane
	1170x570x69	1500				
	610x610x69	1000				
	915x610x69	1500				
	1220x610x69	1800				
	610x610x80	1300				

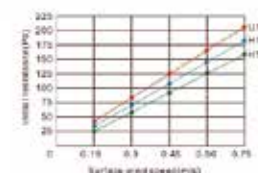
Note: Other specifications can be customized according to demand



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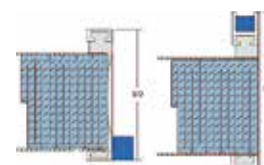
Application and usage

- It is used in medicine, hospital, food, biological products, health care products and other Cleanroom terminal filtration



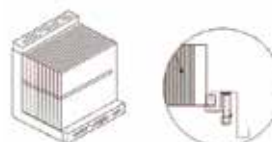
Technical index

Filter class:	Moisture resistance (relative humidity):
H13, H14, U15, U16, U17 (EN 779)	≤ 100% RH
Filtration objects:	Resistant temperature:
≥0.5 μm, ≥0.3 μm, ≥0.1 μm	≤100% RH
Filtration efficiency:	Instant temperature:
99%, 99.9%, 99.99%, 99.999%, 99.9999%, 99.99999% (ASHRAE 52.1-1992)	≤ 100°C



Materials and features

- Filter: ultra-fine glass fiber filter paper
- Net: diamond-shaped metal coating net
- Gel seal sealant: persistent jelly glue
- Features: small volume, large filtration area, low resistance and high efficiency,
- convenient installation and reliable sealing
- Separator: hot melt adhesive
- Frame: aluminum alloy
- Sealant: double - component AB glue



Technical Parameters

Dimension			Rated air flow m³/h	Initial Resistance (Pa)			Efficiency
Width(mm)	Height(mm)	Depth(mm)		0.25m/s	0.5m/s	0.75m/s	
450	450	90/93	500	≤120	≤160	≤240	99.99%
610	610	90/93	1000				99.999%
915	610	90/93	1500				99.9999%
1220	610	90/93	2000				99.99999%

Note: Other specifications can be customized according to demand

Ducted HEPA Filter Terminal Module

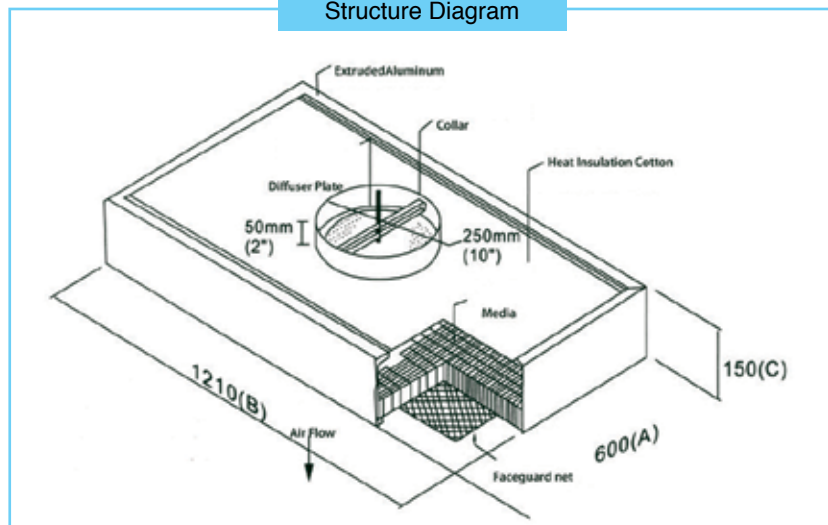
Pro Anti Leakage
Pro Anti Bacterial



Features

- Closed structure
- Beautiful appearance
- Light frame
- HEPA filter

Structure Diagram



Technical Parameters

Dimensions (mm)			Rated air flow @0.45m/s (m³/h)	Initial Resistance under standard air flow			
				HEPA		ULPA	
A	B	C		In W.G	Pa	In W.G. (Pa)	
600	600	150	600	0.50	125	0.58	145
600	915	150	900	0.50	125	0.58	145
600	1210	150	1200	0.50	125	0.58	145
600	600	175	600	0.32	80	0.36	90
600	915	175	900	0.32	80	0.36	90
600	1210	175	1200	0.32	80	0.36	90

Note: Other specifications can be customized according to demand

1. Euro Adsorb 1

- **Composition:**
Activated alumina spheres impregnated with potassium permanganate
- **Usage:**
Odour & corrosion control
(Hydrogen sulphide H_2S , ethylene C_2H_4 , formaldehyde CH_2O , SO_2 , NO_x & air purification in clean rooms)



2. Euro Adsorb 2

- **Composition:**
Impregnated activated alumina spheres
- **Usage:**
Controlling gases leakages
(Chlorine Cl_2 , fluoride F_2 , iodine I_2 and acidic gases)



3. Euro Adsorb 3

- **Composition:**
Caustic carbon impregnated activated alumina spheres
- **Usage:**
 - a. Corrosion control acidic and corrosive gases
 - b. waste water treatment odour control



4. Euro Adsorb 4

- **Composition:**
Granules of activated zeolite
- **Usage:**
Control over ammonia and ammonia derivatives



5. Euro Alpha

- **Composition:**
High-quality virgin or impregnated activated carbon pellets
- **Usage:**
Removal of mercury vapours and hydrogen sulphide H₂S



6. Euro Blend

- **Composition:**
Blend of activated alumina impregnated with potassium permanganate and virgin activated carbon pellets
- **Usage:**
 - a. Eliminates gases
 - b. Internal air quality improving



Activated Carbon Canister

- Sturdy Design
- Easy to install
- Available in Metal and Thermoplast
- Standard Dimensions
- High Adsorption Capacity
- Choice of Media



Activated Carbon Canister is one of the most popular carbon filter devices because of its rigidity, versatility and ease of use. The holding frame has the same outside dimensions as a standard air filter frames and fits into each standardized air handling unit. The canisters come in one standard size, differentiated only by material of construction and length for use at different airflow rates.

Multiple individual canisters are mounted on a holding frame made from galvanized sheet metal or stainless steel. The individual canister seals perfectly and holds in the frame with its unique bayonet style clamping mechanism.

The sturdy canisters are available in galvanized steel, stainless steel and as a disposable thermoplastic construction. The canister comes factory ready for installation. Each canister is factory prefilled with the user's choice of adsorption media, carefully vibration filled to ensure that the media is uniformly packed and does not sag during operation. A choice of adsorption media is available to meet the specific requirements of each application.

Activated Carbon Canisters should be sized for a minimum contact time of 0.1 second; for a 610x610 arrangement with 16 canisters this is resulting in 2800 m³/h for 450 mm length and 3500 m³/h for 600 mm length.

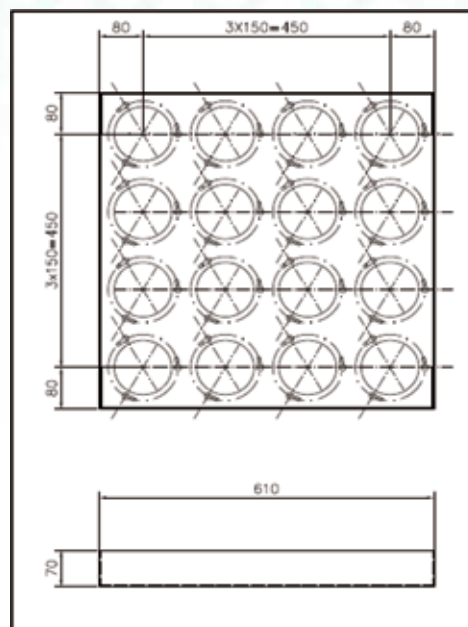
As the differential pressure drop over a carbon filter does not increase during operation, any increase in pressure drop is an indication of contamination with particulate matter. The carbon filter should always be protected with a prefilter class F7 to EN779. Operating performance may vary depending to ambient atmospheric conditions, however the canister will operate best at relative humidity below 70% and temperatures below 40 °C. At higher values a reduced capacity can be anticipated. For disposal of canisters and media always observe the local, regional or national regulations for waste disposal.

Dimensions

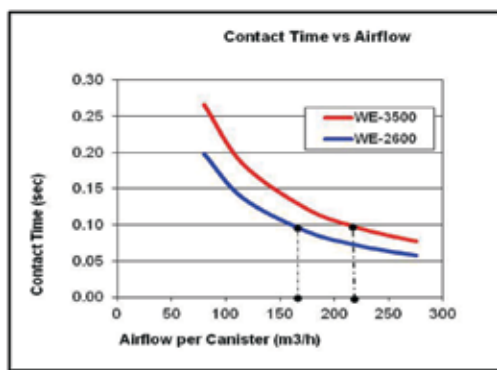
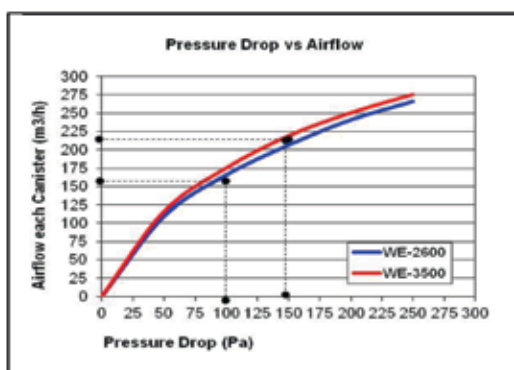
Type Canister ¹⁾	Material	Diameter mm	Length mm	Media Volume liter
WE-1400	Galv. steel	145	250	2.4
WE-1400	Stainless steel	145	250	2.4
WE-1400	ABS/HDPE	147	250	2.4
WE- 2600	Galv. steel	145	450	4.4
WE- 2600	Stainless steel	145	450	4.4
WE- 2600	ABS/HDPE	147	450	4.4
WE- 3500	Galv. steel	145	600	5.9
WE- 3500	Stainless steel	145	600	5.9
WE- 3500	ABS/HDPE	147	600	5.9

Note: the designator indicates the standard air flow in m³/h for a frame with 16 canisters

Frame Size	Dimensions mm (WxHxD)	Number of Canisters
HF 16	610x610x70	16
HF 12	508x610x70	12
HF 8	305x610x70	8
HF 4	305x305x70	4



Performance Data



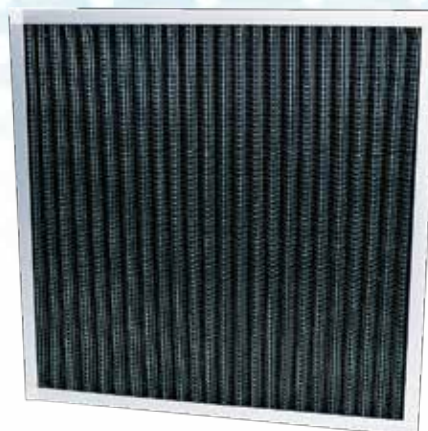
Applications

Media Type	Contaminants	Application
WE-Carbon	Hydrocarbons, VOC	Airports, Pharmaceuticals, Food, Urban comfort
WE-Carbon MA	Acids H ₂ S, SO _x , NO _x formaldehyde	IAQ, General industry
WE-Carbon MB	Ammonia, amines	Micro-electronics, General industry
We-Carbon MS	H ₂ S, mercaptans	Waste water, petro-chemical industry
WE-Oxidant	H ₂ S, SO _x , NO _x formaldehyde	Pulp & paper, Refineries, Museums, Libraries
WE-Blend	Broad band	General Purpose gas removal

GC Activated Carbon Pre Air Filter (Folding)



Pro Anti Leakage
Pro Anti Bacterial



Features

- Adopting activated carbon felt
- Great absorption capacity
- Getting rid of a variety of noxious gases promptly to clean air effectively

Application

- To get rid of the contaminated air of the air condition system
- To absorb noxious gas (Benzene, Formaldehyde, Ammonia, SO₂, Acetone, Hydrogen, Chloride Etc.)

Technical Parameters

Model	Dimensions (mm) WxHxD	Rated Air Flow (m ³ /h)	Initial Resistance(pa)	Material	
				Frame	Media
GC	595x595x46	3200	40	Aluminum alloy	Activated carbon felt
	595x495x46	2700		Galvanized sheet	Activated carbon fiber
	595x295x46	1600			
	495x495x46	2200			
	595x295x46	1300			
	295x295x46	800			

Note: Other specifications can be customized according to demand



Application and usage

Commercial and industrial ventilation systems, air conditioning systems for fresh air purification and exhaust gas purifying filtration

- Cleanroom fresh air conditioning system, fresh air handling unit pre-filtration
- Fresh air purifying equipment air inlet pre-filtration
- Primary filtration of central air-conditioning
- Exhaust emissions I or II Filtration

Technical index

Filtration objects:	The absorption rate:	Moisture resistance (relative humidity):	Resistant temperature	Instant temperature
Low concentration of odor, formaldehyde, benzene, ammonia and other organic matter	>25%	<80%RH	<100°C	<120°C

Materials and features

Filter : Activated carbon filter cotton
Outer frame : Galvanized iron frame, aluminum alloy frame, stainless steel frame

Technical Parameters

Model	Dimension			Number of pockets	Air flow/initial resistance (m ² /h/Pa)	
	Width(mm)	Height(mm)	Depth(mm)			
VTF-HXTD	592	592	600	6	3400/40	4200/60
	287	592	600	3	1700/40	2100/60

Note: Other specifications can be customized according to demand

V-Type Activated Carbon Filter



Application and usage

Commercial and industrial ventilation systems, air conditioning systems for fresh air purification and exhaust gas purifying filtration

- The air supply of the fresh air system purification
- Household, commercial air purifier secondary or tertiary purification
- Exhaust emission level first or second purification

Technical index

Filtration objects:	The absorption rate:	Moisture resistance (relative humidity):	Resistant temperature	Instant temperature
Low concentration of odor, formaldehyde, benzene, ammonia and other organic matter	≥30%	≤80%RH	≤80°C	≤100°C

Materials and features

- Adsorption materials: fine granular activated carbon, spherical activated carbon, activated alumina ball, activated carbon cotton, etc.
- Supporting material: paper honeycomb, plastic honeycomb, metal box body
- Outer frame: aluminum frame, galvanized frame, stainless steel ABS frame
- Features: has good adsorption performance and aerodynamic performance, can be widely used in purification treatment containing toluene, xylene, benzene, such as benzene, phenol, lipid, alcohol, aldehyde, the organic gas such as stench
- V type composite structure, the limited section space can get larger air flow, install conveniently
- It is divided into plastic frame FV single flange, metal frame FV single flange and metal frame HV box type

Technical Parameters

Model number	Dimension			The number	Filter area m ²	Rated air volume m ³ /h	At the beginning of resistance (Pa)
	Width(mm)	Height(mm)	Depth(mm)				
HV	305	610	292	2V	0.7	1700	
	610	610	292	4V	1.4	3400	≤50
FV	592	287	292	4V	0.65	1700	
	592	592	292	4V	1.2	3400	≤50

Note: Other specifications can be customized according to demand

FFU (Fan Filter Unit)



- FFU is short for Fan Filter Unit. It is a kind of air supply device which has motive power and filtering function. Air is brought in top of FFU as passing through HEPA Filters, Filtered air comes out of outlet evenly; modules connection running.
- FFU provides clean air and particle controlling. FFU is installed on ceiling of Cleanroom (25% to 100% cover rate), general dimension is (2'x4') or (4'x4').
- Application: applying in class 10,000 to class 10 of Cleanroom, even forming ultra-clean assembly line, clean work office, clean booth, clean closet and so on.

Features

- Nice appearance, humanization design
Equipped with handle, easy installation and handling, marginal rounded design.
- High performance and low noise fans
Adopting energy-saving multi-blade turbine fan, lower noise, pressure spreads evenly, outlet air velocity evenly and stable, low consumption, low running cost, service life is over 80 thousand hours.
- Light, Thin shape
Without HEPA filter, the thickness of engine body is 23cm, 25kg also suits the low ceiling occasion.
- Flexible, diversified design
Customized service is available except for the standard items, such as the body materials and filter are optional.
- Concerning, convenient design
Pedals are designed in the body, which makes it convenient to install and repair.
- Premium current-averaging design of the inside
Ensures deviation of the blowing side lower than $\pm 10\%$.



Cleanrooms



Where critical levels of cleanliness must be maintained. EuroVentus Cleanroom offers a cost-effective alternative to conventional construction while providing durability and Cleanroom performance. EuroVentus Cleanroom modular's are movable and relocatable to provide years of usability and versatility. Cleanroom wall systems interface with the cleanroom floor, ceiling and mechanical components to provide a clean workspace that maintains optimum airflow, pressure, temperature, humidity and cleanliness. Rooms can also be engineered to meet special size requirements.

We understand your needs. Our modular construction allows fast, easy installation as well as design flexibility to meet your changing needs without sacrificing quality.

PANELS

Features

- Pro Anti Leakage.
- Pro Anti Bacterial.
- Removable & Re-locatable.
- Cost-effective & alternative to conventional construction.
- Built to drawing layout, minimal alteration required.
- Fast and easy installation.
- Pre fabricated cut out for utilities.
- Totally flush concept.
- Highly corrosive resistance, durable.



Specifications:

- Panel thickness- 50mm/ 75mm/ 100mm/ 150mm.
- Standard wall partitions are a composite construction of two skins pre-coated GI.
- Pre-coated Aluminium/ SS/ Aluminium composite sheets.
- Insulation Put (40 kg/m³), Rock wool.
- Ceiling panel
(Single skin/ Double skin/ Walkable/ Non walkable).

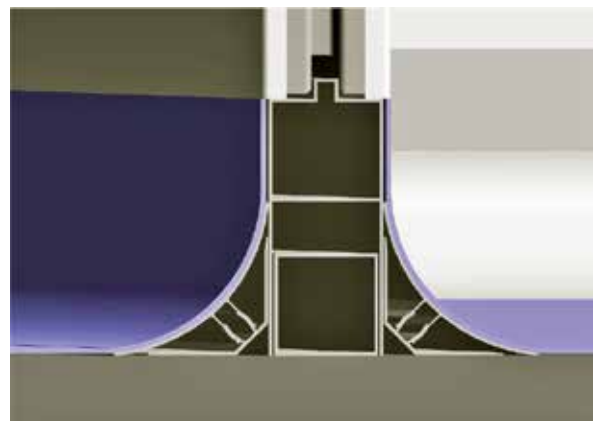
COVING

Features

- Pro Anti Bacterial.
- Two piece snap system.
- Smooth round, easy to clean.
- Minimum radius, aesthetic look.
- Extremely flushed to surface.
- Removable and re-usable.

Specifications:

- 3 Way welded corner assembly.
- Ceiling to wall and wall to wall coverings.
- Covings are available in aluminium / PVC.



DOORS



Features

- Pro Anti Leakage.
- Pro Anti Bacterial.
- Stainless steel, GI and Aluminium in MOC.
- Epoxy painted / powder coated.
- Flushed construction.
- Strong, durable and maintenance free.
- High density put (40kg/m³).
- Stainless steel hardware.
- Inter locking.

- Special Cleanroom pin type hinges.
- Spring operated wiper.
- SS kick plate and push plate.
- Frame thickness 50/ 75mm.

Specifications:

- Shutter thickness 40mm.
- Height variable upto 2400mm.
- Width variable upto 1200mm.
- Single / double door with equal/ unequal shutters.

AIR SHOWER

Features

- Pro Anti Leakage.
- Pro Anti Bacterial.
- Micro processor control system.
- Factory pre-wired and tested.
- Emergency panic switch.
- Modular design helps easy transporting and erection.
- Hepa filtered air is 99.99% efficient on 0.3microns and recirculated for containment.
- Airflow Air velocity at nozzle is minimum 6000 fpm.
- Flow adjustable nozzles.
- Noise/ vibration free operation.
- Shower duration 0-120 sec adjustable.

Specifications:

- Painted steel/ stainless steel construction.
- Various size and door configurations.
- Electrical supply 3phase, 440 V.
- Fully/ partially glazed heavy duty doors.



PASS BOX

Features

- Pro Anti Leakage.
- Pro Anti Bacterial.
- Mechanical / electro magnetic interlocking.
- Swing type door with view panels.
- UV and florescent tubes.
- Inbuilt covings in all corners.
- Hour meter and maghnelic (dynamic pass box).
- Stiffener for rigidity of base.
- Operator friendly controllers.

Specifications:

- Available in static and dynamic versions.
- Different sizes to suit costumer requirement.
- Available in SS/ CRCA PU painted/ partition panel inbuilt.



Chemical Fume Hoods are designed with a rigid frame construction that assures solid installation and low vibration and sound levels. Access panels are easily removable to access service lines and fittings. Radius corner posts and airfoils, plus easy operator control of interior baffle settings assure a high level of comfort, safety and efficiency. Given the variety of customized models available as per the application and calculated as per the International standard and the comprehensive option packages to be selected, this new generation of fume hoods can be tailored to the application needs of your modern laboratory. Aesthetically pleasing curved airfoils, vision sash panels, contemporary controls and devices, designer colors and combinations make a hardworking laboratory safety device into an attractive part of the total laboratory environment.



Features

Excellent interior lighting with exterior relamping

- Optional special purpose lighting

Fiberglass reinforced polyester liner

- 1/4" (6.4mm) thick - solid - light neutral colored liner
- Class A fire rating
- Task specific liner options
- Low profile, self-gasketing, interior access panel - removable without tools

Custom accessory offering

- A full array of service fittings and electrical fixtures
- Monitoring and safety alarms
- Pre-piping and pre-wiring

Low profile PVC sash tracks

- Smooth sash operation
- Reduced air turbulence
- Seals the interior side panel

Easy operating full vision sash with:

- Full length painted aluminum handle for neat, clean appearance and streamline air features
- Available in stainless steel (painted aluminum shown)
- Exclusive sash leveling and alignment features

Top front panel available as:

- Solid panel with integral louvers
- Vision panel with integral louvers (shown)
- Solid panel with Sight-tight Chevron by-pass grille
- Vision panel with Sight-tight Chevron by-pass grille

Independent frame construction

- Rigid structural frame
- Allows liner panel replacement
- Stainless steel fasteners concealed with corrosion resistant caps

Narrow-radius corner posts

- Enhances aerodynamic air flow
- 4" (102mm) width creates more interior work space Radius air foil
- Streamline air flow - low turbulence
- Heavy gauge steel for durability
- Available painted or in stainless steel

Epoxy resin work tops

- Dished work surface
- Many other options, including stainless steel

Classic range models: DFH-1, DFH-2, DFH-3, DFH-4, DFH-5 & ECO²

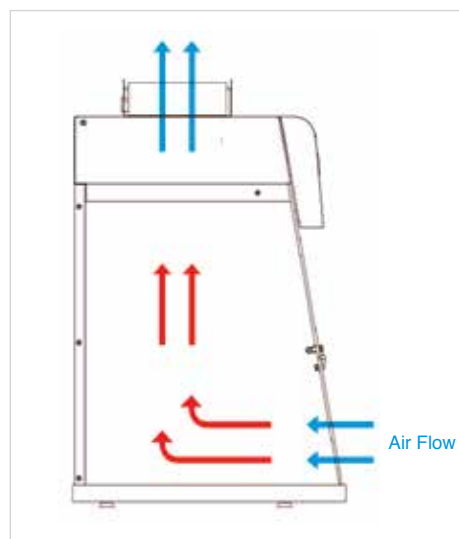


Features and components

- Initial air flow cycle adequacy and final purge cycle
- Fault LED
- Control of air flow through Microprocessor
- Activated carbon filters with electronic chip
- LED illumination

Alarms and scheduled warnings

- Open door warning
- Open door in off mode warning
- 60h of filter use warning
- Next validation warning
- Few hours of filter life warning
- Countdown timer warning
- Expired filter alarm (by hours)
- Expired filter alarm (by date)
- Temperature alarm
- Equipment without filter alarm
- Low barrier alarm



USES

General chemistry involving small volumes of reagents or chemical compounds at ambient/moderate temperature in all types of laboratories:

- Research laboratories
- Quality control laboratories
- Clinical and hospital laboratories
- University and school laboratories...

In general, in any kind of laboratory.

The main feature of this range is that it comes unassembled, and therefore can be placed in any laboratory without any problem (narrow or difficult access). The fume hoods of the Classic range are Class II as per the standard and are equipped with a simple filter (for molecular adsorption of vapors / gases) or a double filter (for the retention of vapors / gas and smoke / particles).

Description Equipment

Electronic circuit with large format LCD screen

- Security levels: level 1 for users and level 2 for maintenance users

Electronic anemometer device

- Electronic sensor monitoring continuously air face velocity

Photocell sensor device for open door detection

- Electric device with open door alarm

Electronic control device for filters replacement

- The filters incorporate a microchip with USB connection that identifies the type of filter installed, the expiry date and the serial no.

Illumination

- LED Tube high light intensity and low power consumption - 16 Watts / 1500 Lm

Sampling system to analyze the filtered air at the exhaust

- To detect the level of filter saturation

60 hours alarm

- Countdown timer according the standard

Electronic chronometer with audible alarm

- To program the work inside the fume hood

Clock and calendar

- Display of date and time

Working surface 1

- Spill retention tray (2-10 liters) with working surface in white tempered glass

G4 Pre-filter

- G4 class pre-filtering blanket of synthetic biofibres for the retention of atmospheric dust

Cable entry holes (2)

- Access to the rear wall for cables and / or services entry

Optional Equipment

Stand

- Stand with wheels and internal tray in Epoxy coated steel

Tubular steel stand

- Support stand in Epoxy coated steel

Working surface 2

- Spill retention tray (2-10 liters) with working surface in inox steel

Transparent rear back pannel

- Transparent polymethylmethacrylate rear pannel 8 mm thick (light transmission of 93%). Ideal for teaching sessions

Voltage / Frequency

- 230 V / 50 Hz

Filter test kit

- Dragager pump with reactive colorimetric tubes (pack 10u)

Modular Filtration Column for Gases and Particles (According To Nfx 15-211:2009)

CLASS 2

Type 'L'

- Handling of liquid compounds/products



Type 'LP'

- Handling of liquid and particles compounds/products



Fan



Molecular Filter



HEPA-H14 Filter

Main Structure

Metal parts: base frame, rear wall and head

- 1.2 mm galvanized coated steel with anti acid polymer resin powder heat-hardened at 200 °C

Front and side panels

- Transparent polymethylmethacrylate 6 mm thick (light transmission of 93%)

Perfect for small working spaces. This ductless fume hood is recommended to remove from the working area gaseous polluting agents and/or solid particles/aerosols in a simple, efficient and cost effective way, protecting both the user and the environment. EuroVentus DFH-1 ductless fume hood uses the EuroVentus filtration system. EuroVentus ductless fume hoods designed to handle low toxic products are made of steel plate with antiaacid polymerized epoxy coating and methylpropileno of high resistance.

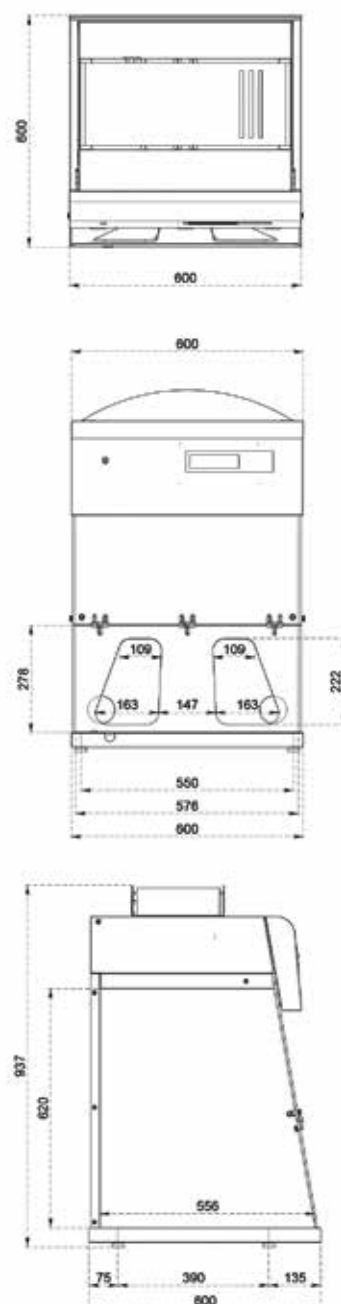


Technical Features

Number of filtration columns	: 1
Number of filters	: 1 to 2
Number of IP44 fans	: 1
Average volume of treated air	: 108 m ³ /h
Average face velocity	: 0,50 m/s
Internal volume of the cabinet	: 0,181 m ³
Renewals inside the cabinet / min	: 9,94
Total electrical power consumption	: 91 W
Voltage-Frequency	: 230 V - 50 Hz
LED light intensity	: 16 W - 1500 Lm
Noise level	: 48 dB

Sizes (mm)

	Width	Depth	Height
External	600	600	937
Internal	576	556	620



This model is perfect to be joined to another hood of similar measures or to a EuroVentus DFH-2. Ideal to remove from the working area gaseous polluting agents and / or solid particles/ aerosols in a simple, efficient and cost effective way, protecting both the user and the environment. EuroVentus DFH-2 ductless fume hood uses the EuroVentus filtration system. EuroVentus ductless fume hoods designed to handle low toxic products are made of steel plate with anti-acid polymerized epoxy coating and methylpropileno of high resistance.

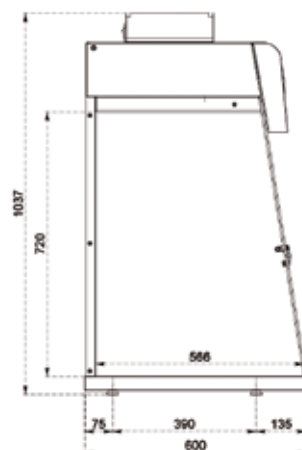
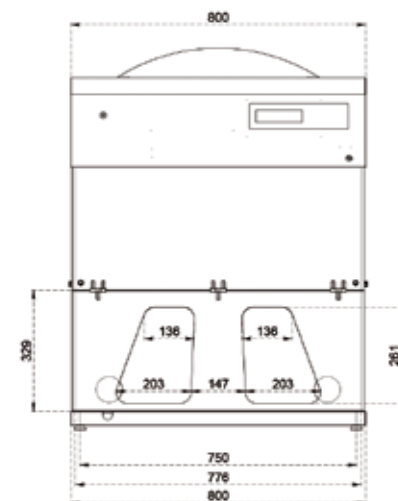
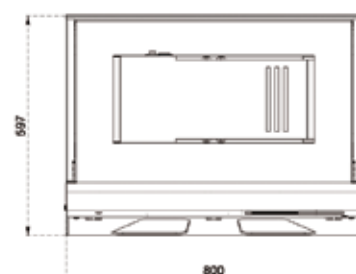


Technical Features

Number of filtration columns	: 1
Number of filters	: 1 to 2
Number of IP44 fans	: 1
Average volume of treated air	: 159,3 m ³ /h
Average face velocity	: 0,50 m/s
Internal volume of the cabinet	: 0,287 m ³
Renewals inside the cabinet / min	: 9,25
Total electrical power consumption	: 91 W
Voltage-Frequency	: 230 V - 50 Hz
LED light intensity	: 16 W - 1500 Lm
Noise level	: 48 dB

Sizes (mm)

	Width	Depth	Height
External	800	600	1037
Internal	776	566	720

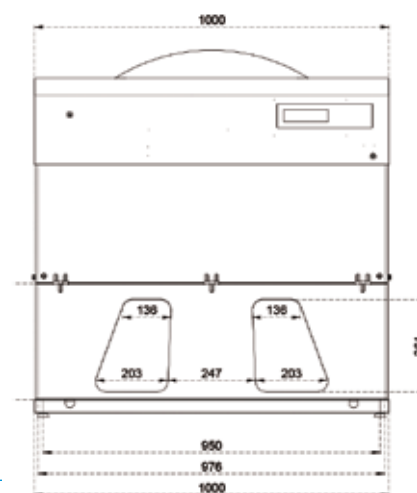
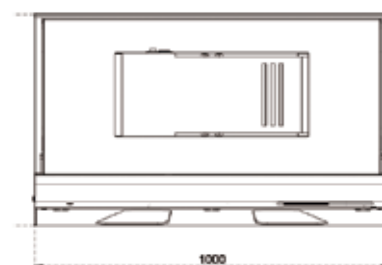


To remove from a large working area gaseous polluting agents and/or solid particles/ aerosols in a simple, efficient and cost effective way, protecting both the user and the environment. EuroVentus DFH-3 ductless fume hood uses the EuroVentus filtration system. EuroVentus ductless fume hoods designed to handle low toxic products are made of steel plate with anti acid polymerized epoxy coating and methylpropileno of high resistance.



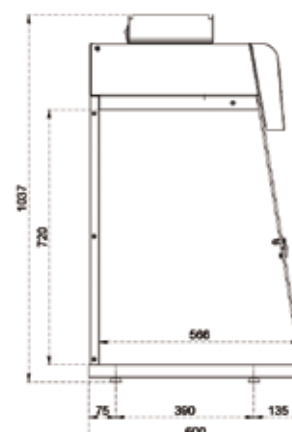
Technical Features

Number of filtration columns	: 1
Number of filters	: 1 to 2
Number of IP44 fans	: 1
Average volume of treated air	: 159,3 m ³ /h
Average face velocity	: 0,50 m/s
Internal volume of the cabinet	: 0,361 m ³
Renewals inside the cabinet / min	: 7.35
Total electrical power consumption	: 91 W
Voltage-Frequency	: 230 V - 50 Hz
LED light intensity	: 16 W - 1500 Lm
Noise level	: 48 dB



Sizes (mm)

	Width	Depth	Height
External	1000	600	1037
Internal	976	566	720

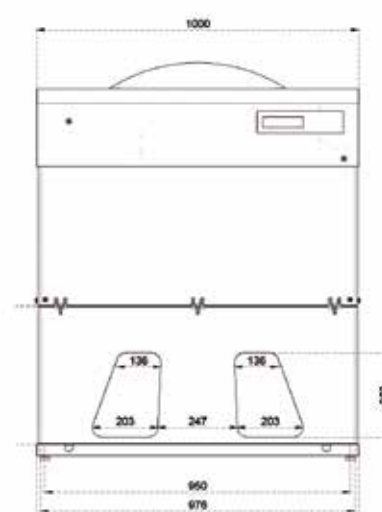


Perfect for applications that require a high working space. This model is ideal to remove gaseous polluting agents and/or solid particles/ aerosols from the working space in a simple, efficient and cost effective way, protecting both the user and the environment. EuroVentus DFH-4 ductless fume hood uses the EuroVentus filtration system. EuroVentus ductless fume hoods designed to handle low toxic products are made of steel plate with anti-acid polymerized epoxy coating and methylpropileno of high resistance.



Technical Features

Number of filtration columns	:	1
Number of filters	:	1 to 2
Number of IP44 fans	:	1
Average volume of treated air	:	159,87 m ³ /h
Average face velocity	:	0,50 m/s
Internal volume of the cabinet	:	0,458 m ³
Renewals inside the cabinet / min	:	5.81
Total electrical power consumption	:	91 W
Voltage-Frequency	:	230 V - 50 Hz
LED light intensity	:	16 W - 1500 Lm
Noise level	:	48 dB



Sizes (mm)

	Width	Depth	Height
External	800	600	1237
Internal	976	566	920

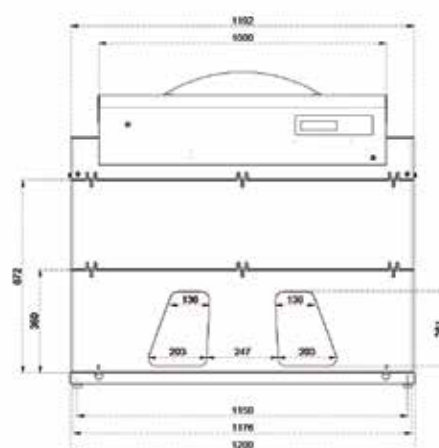
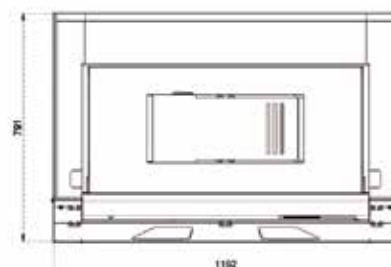


EuroVentus ductless fume hood with the largest working surface. Perfect to remove gaseous polluting agents and/ or solid particles/aerosols from the working space in a simple, efficient and cost effective way, protecting both the user and the environment. EuroVentus DFH-5 ductless fume hood uses the EuroVentus filtration system, without any exterior connection.



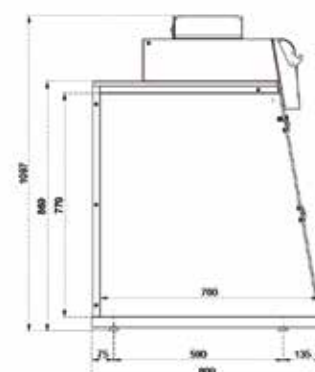
Technical Features

Number of filtration columns	: 1
Number of filters	: 1 to 2
Number of IP44 fans	: 1
Average volume of treated air	: 159,3 m ³ /h
Average face velocity	: 0,50 m/s
Internal volume of the cabinet	: 0,632 m ³
Renewals inside the cabinet / min	: 4.2
Total electrical power consumption	: 91 W
Voltage-Frequency	: 230 V - 50 Hz
LED light intensity	: 16 W - 1500 Lm
Noise level	: 48 dB



Sizes (mm)

	Width	Depth	Height
External	800	800	1097
Internal	1178	760	779



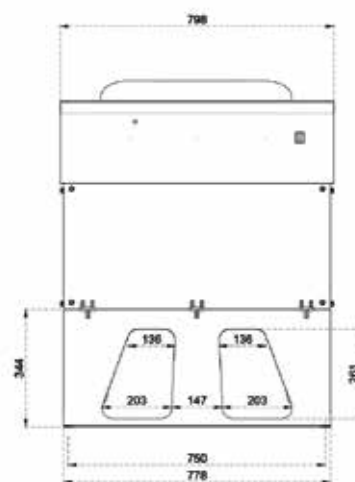
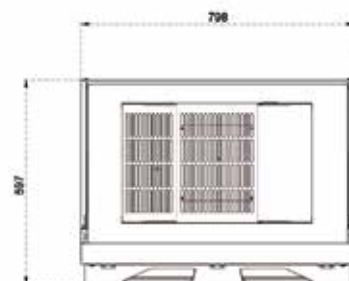
ECO Dual is the new fumehood that EuroVentus has developed on demand of our clients. Our R&D department has created this new model following two main premises: Economy and Ecology. Therefore its name. ECO Dual, meeting the needs of a market in evolution and constantly demanding new products, respects both the environment and the lab user with the same performance, functionality and quality of all EuroVentus products. As a matter of fact, ECO Dual has passed the same quality and security tests of all other EuroVentus hoods, satisfying the requirements of all clients.

Technical Features

Number of filtration columns	: 1
Number of filters	: 1 to 2
Number of IP44 fans	: 1
Average volume of treated air	: 159,3 m ³ /h
Average face velocity	: 0,50 m/s
Internal volume of the cabinet	: 0,287 m ³
Renewals inside the cabinet / min	: 9.25
Total electrical power consumption	: 47 W
Voltage-Frequency	: 230 V - 50 Hz
LED light intensity	: 16 W
Noise level	: 48 dB

Sizes (mm)

	Width	Depth	Height
External	780	597	1012
Internal	778	569	760



Biosafety Cabinets

Class II Type A2



BSC-1



BSC-2



VIRUS CABINET (VC)



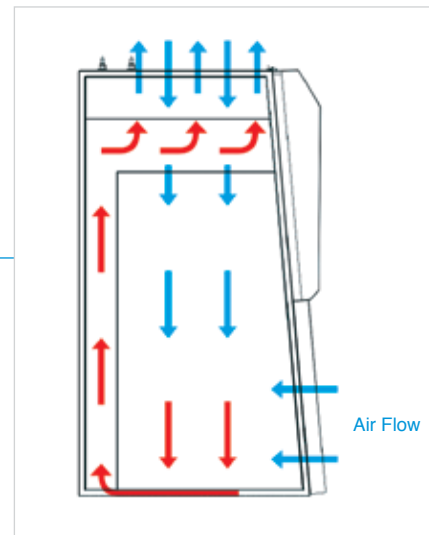
CYTO-2,3

Technical Features

- State of the art microprocessor control system
- Large digital display, high resolution
- Air and aerosol-tight sliding sash, electrically operated by finger touch
- Alarms for low airflow and wrong front window position
- Sloped front and back wall for the most comfortable access
- Front access for filter maintenance and service
- C-shaped support stand for the easiest one man installation procedure
- Easy retrofit option kits

USES

- Manipulation of microorganisms, bacteria, fungi, viruses and parasites
- Risk categories 1, 2 and 3.
- Isolation and sample culture
- Quantification methods
- Microscopy techniques and sample preparation -
- Identification and classification of microorganisms
- Genetic Manipulation



The last generation microbiological safety cabinets EuroVentus BSC II Type A2 with digital functions. The cabinet design ensures complete integrity by close control of the airflow. Incoming air is filtered through the first HEPA filter and down through the work area in a laminar flow pattern. The descending air creates a protective barrier preventing any outside air entering the cabinet. The airflow is then re-directed from the base of the cabinet into a plenum where 30% is expelled through a second HEPA filter and 70%, along with 30% new make up air, is re-circulated back into the cabinet through the first HEPA filter.

Main Specifications

- Microprocessor controlled motor blower, with volumetric sensor for exhausted air flow monitoring
- State of the art Microprocessor control system offering:
 - Large screen monitor
 - Automatic control of preset airflow volumes
 - Sliding sash window with smart control
 - Permanent monitoring of HEPA filters life span
 - Alarms. Multilevel alarms, with redundancy functions - Permanent display of working conditions
 - Highest air flow stability both in case of transitional disturbances or to progressive filter clogging
 - Semi-automatic fumigation cycle
 - Continuous monitoring of front barrier air flow for the highest operator safety
 - Low barrier alarm
 - Power failure alarm
- Volt-free contact for remote monitoring of exhaust fan
- Automatic reset of initial conditions in case of power-failure
- C-shaped support stand for the easiest one man installation procedure

Main Structure

External metal parts

- 1.2 mm galvanized steel, coated with anti-acid polymer powder resin thermo-hardened at 200 °C

Internal metal parts

- Stainless Steel internal surfaces with 2B finishing (including spillage tray).
Solid work surface in 3 sections and special designed front grill at the air barrier that cannot be obstructed by the operator's arms

Front door

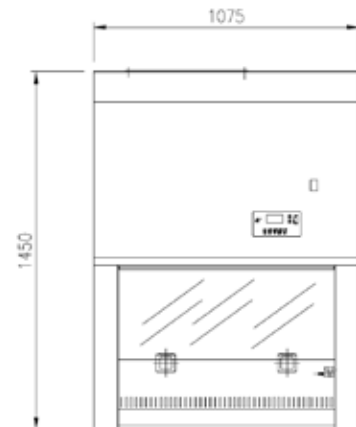
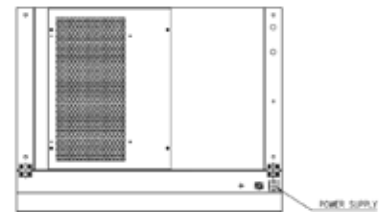
- Electrically operated from control panel sliding multilayer safety glass window

The last generation microbiological safety cabinets EuroVentus BSC-1 CLASS II Type A2 with digital functions. The cabinet design ensures complete integrity by close control of the airflow. Incoming air is filtered through the first HEPA filter and down through the work area in a laminar flow pattern. The descending air creates a protective barrier preventing any outside air entering the cabinet. The airflow is then re-directed from the base of the cabinet into a plenum where 30% is expelled through a second HEPA filter and 70%, along with 30% new make up air, is re-circulated back into the cabinet through the first HEPA filter.



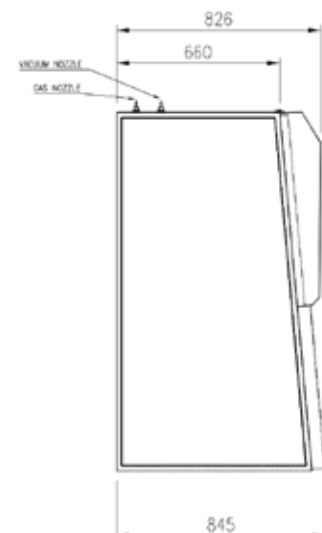
Technical Features

Number of filters HEPA-H14	:	2
Number of IP44 fans	:	1
Average volume of treated air	:	±350 m ³ /h
Average face velocity	:	0.50 m/s
Total electrical power consumption	:	260 W
Voltage-Frequency	:	230 V - 50 Hz
Fluorescent Lamp / Light intensity	:	36 W / 900 Lm
Noise level	:	49 dB



Sizes (mm)

	Width	Depth	Height
External	1074	840	1450
Internal	924	600	700

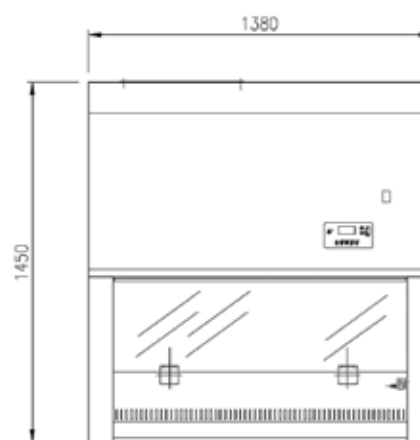
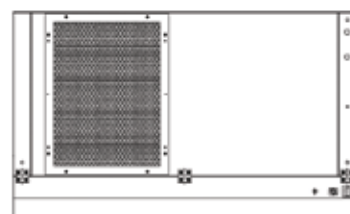


The last generation microbiological safety cabinets EuroVentus BSC-2 CLASS II Type A2 with digital functions. The cabinet design ensures complete integrity by close control of the airflow. Incoming air is filtered through the first HEPA filter and down through the work area in a laminar flow pattern. The descending air creates a protective barrier preventing any outside air entering the cabinet. The airflow is then re-directed from the base of the cabinet into a plenum where 30% is expelled through a second HEPA filter and 70%, along with 30% new make up air, is re-circulated back into the cabinet through the first HEPA filter.



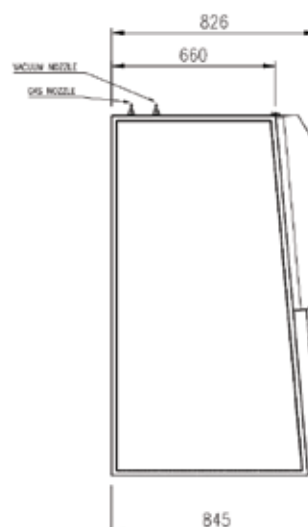
Technical Features

Number of filters HEPA-H14	:	2
Number of IP44 fans	:	1
Average volume of treated air	:	±350 m ³ /h
Average face velocity	:	0.50 m/s
Total electrical power consumption	:	260 W
Voltage-Frequency	:	230 V - 50 Hz
Fluorescent Lamp / Light intensity	:	36 W / 900 Lm
Noise level	:	49 dB



Sizes (mm)

	Width	Depth	Height
External	1380	840	1450
Internal	1230	600	700



The recent emergence of Ebola virus in West Africa risks to be a growing worldwide threat! Despite years of research on Ebola virus it is still not possible to deliver vaccines or treatments to the at-risk population or medical aid teams. Therefore there is currently no prophylaxis or treatment for Ebola virus infection. This is the reason why the World Health Organization classifies Ebola virus as a pathogen of Risk Group Level 4. A Risk Group Level 4 pathogen must be manipulated, according to WHO, in a Containment Level 4 environment, wearing specific protective clothing and working with a Microbiological Safety Cabinet of Class III.



Technical Features

No of glove ports	:	2
Exhaust air flow rate (m ³ /h)	:	> 180 m ³ /h
Internal Differential pressure (Pa)	:	< -220
Weight (kg)	:	210
Power Supply	:	230 V - 50 Hz
Power (W)	:	500 W
Noise level	:	< 58dB(A)
Lighting Lm	:	>1000

Sizes (mm)

	Width	Depth	Height
External	2015	822	1300
Internal	1200	860	700

Technical Features

- Controls comfortably located at eye level
- Fan speed and aeraulic controlled by Microprocessor
- Three operating modes: normal, stand-by, calibration
- High speed rinse at start up
- Self calibration and internal Watch-dog cycle before "SAFE" condition is reached
- Visual display of "SAFE" conditions and "UNSAFE" conditions (LED and bar graph)
- Elapsed time meter
- Microprocessor control with following specifications:
 - Multilevel alarms, with redundancy functions.
 - Permanent display of working conditions.
 - High air flow stability both in case of transitional disturbances or to progressive filter clogging
 - Power failure alarm
- Volt-free contact for remote monitoring of exhaust fan.
- Automatic reset of initial conditions in case of power failure
- C-shaped support stand for easy one man installation procedure
- Anti blow back valve (optional) for ducted configuration
- Magnehelic Gauge for internal chamber pressure constant monitoring
- One (1) Electrical Socket as standard option
- UV-Light installed on top (standard option)

EuroVentus CC-1 cabinet has been especially designed for the preparation of cytostatic drugs as well as for the handling of biological agents risk group 1, 2 and 3. In this cabinet there is a third additional filtration stage located underneath the work surface. Moreover, the “Bag in and Bag out” patented filter changing protocol provides totally sealed contaminated areas, isolating the external environment during the replacement of this third filtration stage. In this way the service technician does not come into physical contact with the contaminated filter or with areas of high potential risk of contamination.



Technical Features

Number of filters HEPA-H14	:	2
Number of IP44 fans	:	1
Average volume of treated air	:	±450 m ³ /h
Average face velocity	:	0.50 m/s
Total electrical power consumption	:	650 W
Voltage-Frequency	:	230 V - 50 Hz
Light intensity	:	2x30W / ≥1200 Lm
Noise level	:	≤ 55 dB

Sizes (mm)

	Width	Depth	Height
External	1380	840	2220
Internal	1230	600	700

Technical Features

- Biosafety cabinet for handling cytostatic drugs
- Three stages of H14 class High Efficiency Particulate Air filters with 99.995% efficiency for .3 micron particles (most penetrating particle diameter)
- Tertiary filter change through the “bag in- bag out technology”. Avoids physical contact with the third stage of filtration during filter replacement.
- Integrated technology to eliminate surface noise propagation
- State of the art Microprocessor control system offering:
 - High resolution digital screen
 - Automatic control of preset airflow volumes
 - Sliding sash window with smart control
 - Permanent monitoring of HEPA filters life span
 - Permanent display of working conditions
 - Maintains air flow stability in the case of progressive filter clogging
 - Low barrier alarm
 - Power failure alarm
- Hermetic sliding front window controlled by control panel
- Multilayer 6mm safety glass
- Comfortable 200 mm front opening
- Easy to install retrofit options through lateral sides
- Sloped back side of the working chamber for the best down flow distribution
- Front barrier air speed ≥0.5mt/sec
- Light intensity on work surface >1200 Lm
- Noise level ≤ 55 dB
- Easily installed exhaust duct (optional)
- Safety key to avoid unwanted operation
- Self calibration cycle performed when cabinet is switched on
- Interconnected UV and fluorescent lights
- Stainless steel worktop with 2B finish (including spillage tray)
- In case of power failure, the cabinet is re-set to original working conditions

EuroVentus CC-2 cabinet has been especially designed for the preparation of cytostatic drugs as well as for the handling of biological agents risk group 1, 2 and 3. In this cabinet there is a third additional filtration stage located underneath the work surface. Moreover, the “Bag in and Bag out” patented filter changing protocol provides totally sealed contaminated areas, isolating the external environment during the replacement of this third filtration stage. In this way the service technician does not come into physical contact with the contaminated filter or with areas of high potential risk of contamination



Technical Features

Number of filters HEPA-H14	:	2
Number of fans	:	1
Average volume of treated air	:	±680 m ³ /h
Average face velocity	:	0.50 m/s
Total electrical power consumption	:	650 W
Voltage-Frequency	:	230 V - 50 Hz
Light intensity	:	2x30W / ≥1200 Lm
Noise level	:	≤ 57 dB

Sizes (mm)

	Width	Depth	Height
External	1990	840	2220
Internal	1830	600	700

Features

- Biosafety cabinet for handling cytostatic drugs
- Three stages of H14 class High Efficiency Particulate Air filters with 99.995% efficiency for .3 micron particles (most penetrating particle diameter)
- Tertiary filter change through the “bag in- bag out technology”.
- Avoids physical contact with the third stage of filtration during filter replacement.
- Integrated technology to eliminate surface noise propagation
- State of the art Microprocessor control system offering:
 - High resolution digital screen
 - Automatic control of preset airflow volumes
 - Sliding sash window with smart control
 - Permanent monitoring of HEPA filters life span
 - Permanent display of working conditions
 - Maintains air flow stability in the case of progressive filter clogging
 - Low barrier alarm
 - Power failure alarm
- Hermetic sliding front window controlled by control panel
- Multilayer 6mm safety glass
- Comfortable 200 mm front opening
- Easy to install retrofit options through lateral sides
- Sloped back side of the working chamber for the best down flow distribution
- Front barrier air speed ≥0.5m/sec
- Light intensity on work surface ≥1200 lux
- Noise level ≤57dB
- Easily installed exhaust duct (optional)
- Safety key to avoid unwanted operation
- Self calibration cycle performed when cabinet is switched on
- Interconnected UV and fluorescent lights
- Stainless steel worktop with 2B finish (including spillage tray)
- In case of power failure, the cabinet is re-set to original working conditions

Laminar Flow Cabinets Model (LF)



Features

Features and components

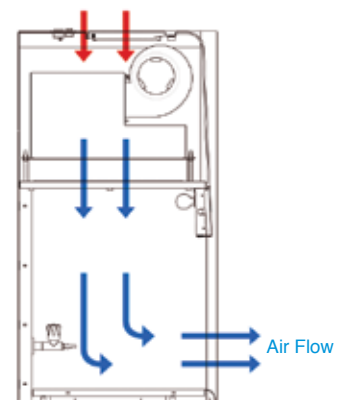
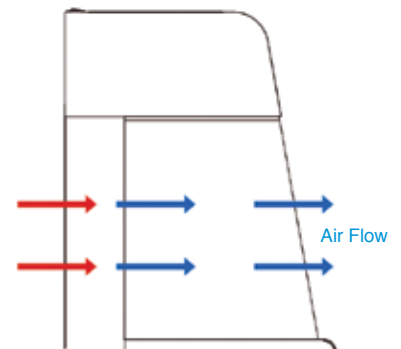
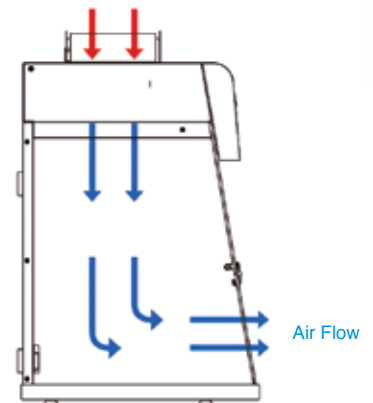
- Initial cycle flow adequacy and final purge cycle
- Fault LED
- Control of air flow through Microprocessor
- HEPA filters with electronic chip
- LED illumination

Alarms and scheduled warnings

- Next validation warning
- Few hours of filter life warning
- Countdown timer warning
- Expired filter alarm by hours & by date
- Equipment without filter alarm

Uses

- Laboratory food industries in general
- Transfer of drugs in the pharmacy department
- Hematology and clinical analysis
- Filled with antibiotics and injectable drugs (except cytostatic) microscopic analysis
- Tissue culture bags reconstitution of parenteral methods of assisted fertilization techniques
- Micropropagation
- Plant cell cultures
- Water quality control
- Manufacturing of electronic devices...



Laminar Flow Cabinets

Model (LF)

To ensure the reliability of the tests, it is vital that the work performed inside the cabinet is not contaminated. To create this sterile environment, the air flow generated in EuroVentus vertical and horizontal laminar flow cabinets is - according to ISO class 5 (former Class 100).

In LF models the air flow goes through a HEPA H-14 filter (manufactured according to EN-1822 regulation) at a constant speed, crosses the cabinet in laminar state and in a vertical direction, generating a sterile area Class 100 (according to the American Federal Standard 209E and equivalent to the rule ISO Class 5) and protecting the sample from external contamination and cross contamination between samples.

Filtering system of one stage with a minimum efficiency of 99,995% for particles of 0,3 µm in the upper part and with extraction of 100% of the air flow to the exterior.

Equipment

Electronic circuit with large format LCD display

- Security levels: level 1 for users and level 2 for maintenance users

Filters controlled by microprocessor

- The filters are provided with a microchip with mini USB connection identifying the type of filter installed, the expiry date and the serial number

Illumination

- LED high light intensity and low consumption:
- 16W - 1500 Lm for LFV 1,2 - LFH 1, 2

UV Lamp

- 15W UV light for LFV 1, LFV 2

Digital timer with audible warning

- Hour meter for the control and warning of the work in the cabinet

Clock and Calendar

- Display of date and time

Steel work surface

- Worktop of stainless steel surface for LFH 1 & LFH 2

Gas tap

- Gas tap for LFV 1, LFV 2

Vacuum tap

- Vacuum tap for LFV 1, LFV 2

Electric socket

- Electric socket for LFV 1, LFV 2

Steel work surface

- Spill retention tray (2-10 liters) with working surface in white tempered glass for LFV 1, LFV 2

G4 Pre-filter

- Pre-filtering class G4 biofibre synthetic blanket

Optional Equipment

UV light for LFH 1, LFH 2

Double electric socket for LFV 1, LFV 2

Stand with wheels LFV 1, LFV 2

Tubular stand for LFV 1,2 - LFH 1, 2

Main Structure

Metallic parts

- 1.2 mm galvanized steel, coated with antiacid polymer powder resin thermo-hardened at 200°C

Side Panels

- Transparent polymethylmethacrylate 8 mm thick (light transmission of 93%)

EuroVentus vertical laminar flow hood with ISO Class 5 air purity creates a sterile environment free of particles and / or micro organisms that ensures the reliability of any test inside the hood. It incorporates a HEPA H-14 absolute filter whose minimum efficiency is of 99.995% for particles of 0.3µ m, and a 15W UV germicide lamp designed to decontaminate the hood before and after each use.

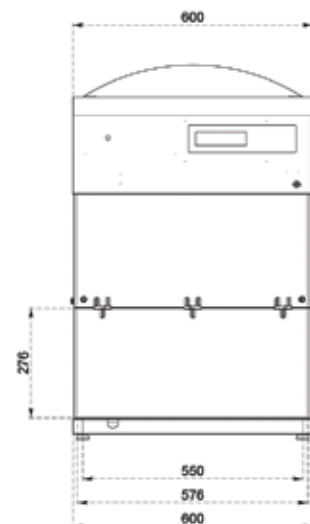
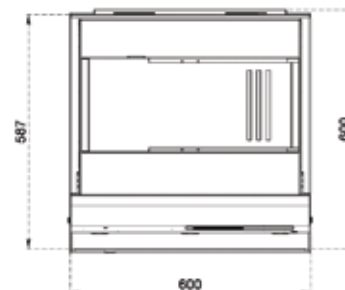


Technical Features

Number of filters HEPA-H14	:	1
Number of IP44 fans	:	1
Average face velocity	:	0,45 m/s
Total electrical power consumption	:	102 W
Voltage-Frequency	:	230 V - 50 Hz
LED Light intensity	:	1500 Lm
UV germicidal lamp	:	15 W
Noise level	:	48 dB

Sizes (mm)

	Width	Depth	Height
External	600	600	937
Internal	576	563	636.2

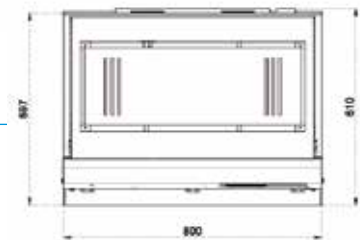


EuroVentus vertical laminar flow hood with ISO Class 5 air purity creates a sterile environment free of particles and / or micro organisms that ensures the reliability of any test inside the hood. It incorporates a HEPA H-14 absolute filter whose minimum efficiency is of 99.995% for particles of 0.3 μm , and a 15W UV germicide lamp designed to decontaminate the hood before and after each use.



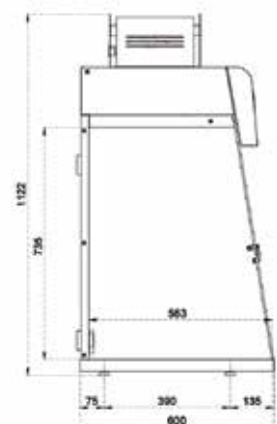
Technical Features

Number of filters HEPA-H14	:	1
Number of IP44 fans	:	1
Average face velocity	:	0,45 m/s
Total electrical power consumption	:	226 W
Voltage-Frequency	:	230 V - 50 Hz
LED Light intensity	:	1500 Lm
UV germicidal lamp	:	15 W
Noise level	:	50 dB



Sizes (mm)

	Width	Depth	Height
External	800	600	1122
Internal	778	563	735



The new EuroVentus LFH-1 is our little horizontal laminar flow cabinet Class ISO 5 (former class 100) ideal for works that should ensure the protection of the products against external and cross-contamination.

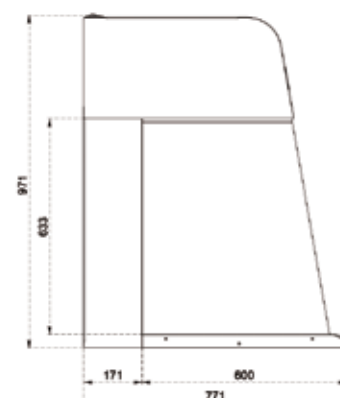
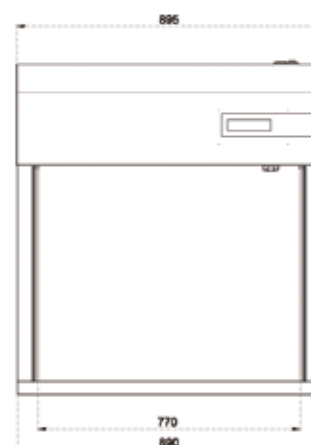
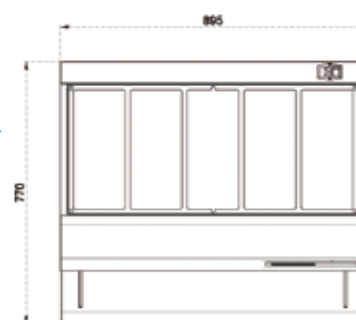


Technical Features

Number of filters	:	1
Number of IP44 fans	:	1
Average face velocity	:	0,45 m/s
Total electrical power consumption	:	211 W
Voltage-Frequency	:	230 V - 50 Hz
LED Light intensity	:	16W / 1500 Lm
Noise level	:	50 dB

Sizes (mm)

	Width	Depth	Height
External	890	771	971
Internal	770	600	633



The new EuroVentus LFH-2 is our bigger horizontal laminar flow cabinet Class ISO 5 (former class 100) ideal for works that should ensure the protection of the products against external and cross contamination.

The unique mounting system of the sidewalls, positioned inside the perimeter of the filter, prevents contaminants from entering into the work area through the same filter frame thanks to the Venturi-effect.

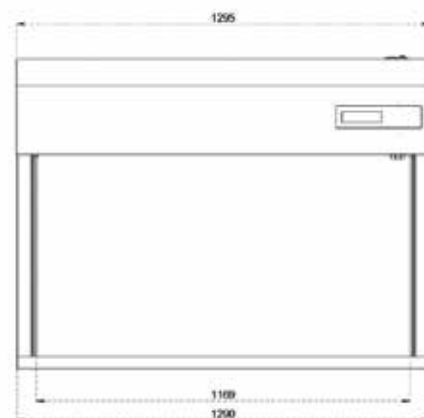
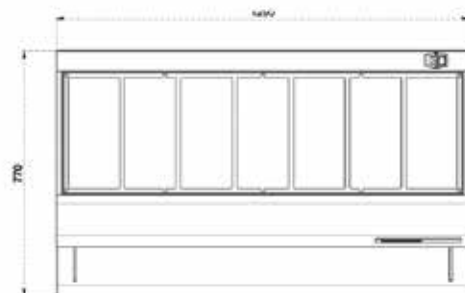


Technical Features

Number of filters	:	1
Number of IP44 fans	:	2
Average face velocity	:	0,45 m/s
Total electrical power consumption	:	414 W
Voltage-Frequency	:	230 V - 50 Hz
LED Light intensity	:	2 x 16W/1500 Lm
Noise level	:	45 dB

Sizes (mm)

	Width	Depth	Height
External	1290	770	971
Internal	1169	600	633





LIGHT FIXTURES

Features

- Pro Anti Bacterial.
- Easy maintenance.
- Uniform light distribution.
- Sealed housing will not allow contamination to enter room.
- Extruded aluminium door frame with coved edges.
- Spring mounted bottom panels for easy operation.

Specifications:

- Body fabricated from CRCA, GI or stainless steel.
- Toughened glass / Acrylic with non yellowing properties.
- Available with CFL or FL.
- Custom friendly sizes are also available.
- Top maintenance / Bottom maintenance light fixtures.



Cleanroom Carts



Cleanroom stainless cart with 3 shelves



Trolley



Stainless steel step ladder



Glove Box



Step Bench



Bench



Bench



Step



Step Over Bench



VALIDATION AND TESTING

We undertake complete validation documentation of Cleanroom and Cleanroom equipments.

- Particle counting.
- DOP test.
- Laminar airflow certification.
- Air balancing/ pressure balancing.
- Temperature and humidity mapping.
- Filter leak test.
- Air flow pattern.
- Recovery test.
- Air changes.
- Light intensity testing.

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