TOPAIR CLEAN AIR SOLUTIONS

Full Catalog

2017

Product Lines

Tel : +1-855-6-TOPAIR (+1-855-686-7247) Fax: +1-718-263-7304
Email: sales@topairsystems.com Web: www.topairsystems.com
Mailing Address: TopAir Systems, Inc., P.O.Box 754338, Forest Hills, NY 11375 USA
Headquarters - USA: 8912 68th Avenue Forest Hills New York 11375   USA
European Sales Office: Evolution Testing & Analytical Services (UK) Ltd., Elstree House, Elstree Way, Borehamwood, Herts WD6 1SD, UK, Tel:+44-203-1374012, Email: sales@topairsystems.com

About TopAir Systems

TopAir Systems is a supplier of superior clean air and containment solutions. TopAir clean air solutions are used in laboratories and manufacturing facilities within chemical/biological plants, universities, research & development facilities and hospitals, as well as in the electronics, semiconductor and pharmaceutical industries. The company's customer base spans several continents, with active sales in Europe, North & South America and Africa.

At TopAir Systems customer satisfaction comes first: The company exercises a flexible approach, customizing products in accordance with customer requests regarding dimensions, technical specifications and accessories. Moreover, TopAir Systems offers a variety of products and models to accommodate and cover customer needs. Finally, the company does the utmost to develop cost-effective solutions of the highest quality, to ensure customer satisfaction.

Product safety is a top priority: The most stringent guidelines are implemented to ensure the wellbeing of lab and manufacturing personnel, and significant efforts are invested in attaining relevant certifications.

TopAir is strongly committed to innovation, continuously reviewing new technologies as they emerge and investing significant resources in R&D in order to provide customers with the most advanced features in the market.

Active Polypropylene Fume Hood
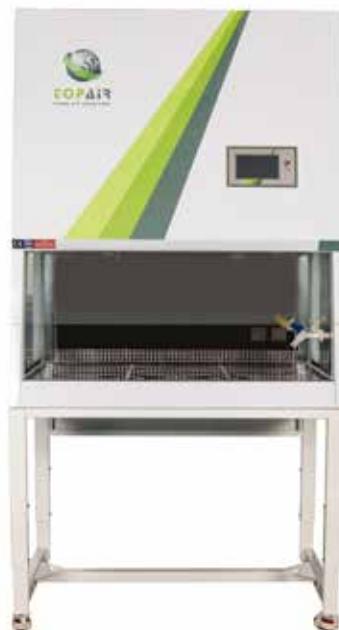
Biosafety Cabinet

PCR Unit

VAV System

Polypropylene Ductless Fume Hood

Topair's Polypropylene Ductless Fume Hoods provide a safe work environment for lab staff working with acids and harsh chemicals.

The electrical and mechanical components are manufactured by leading global companies, such as EBM Germany and AAF USA. The products comply with **EN-14175 / CE / ASHRAE 110-1995.**

TopAir's Polypropylene Ductless Fume Hoods are customized to the requirements of each client.

Optional Features

PPS V2   ESD Protected

- Welded white polypropylene structure
- Built-in sealed polypropylene worktop
- Easily dissembled back wall
- Tempered glass sliding front window
- Monitor displays fan's total operation time, for tracking and filter replacement purposes
- Top quality quiet fan from EBM Germany
- Eco-friendly, cost-effective 800 LUX LED lighting separate from the fuming hall.
- Wind speed at 0.5±0.1 m/s, 100±20 FPM
- Easy filter replacement
- Top filtration unit including carbon filter
- User-friendly digital control system including fan speed control and display of air pressure, signal light, operation time and alarms.

Operation time counter

Control Panel

Active Charcoal Filter

LED Lighting

Tempered Glass Window

Electric Outlets
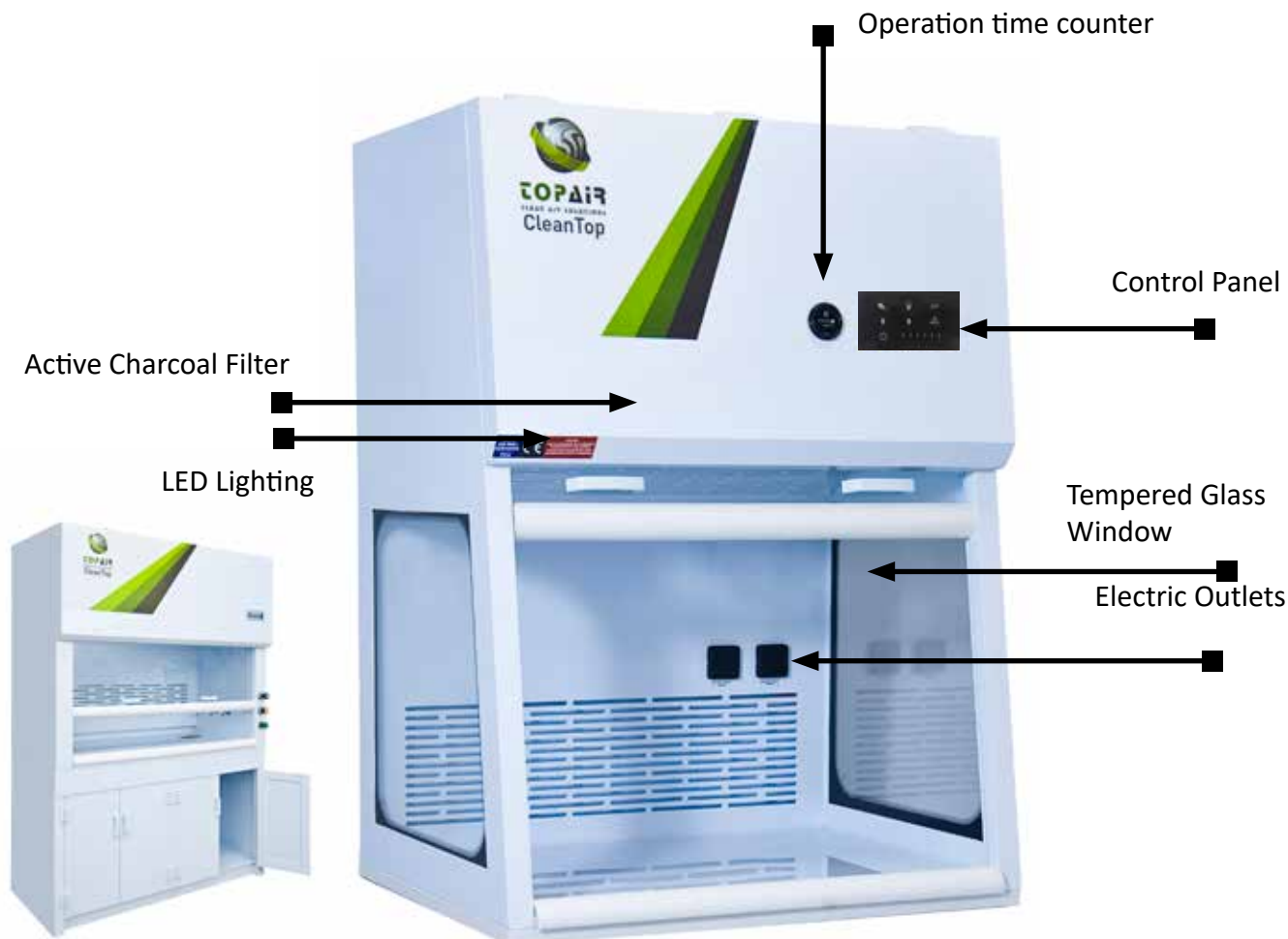
Models

CUSTOM SIZES AVAILABLE!

Spec/ Model	CF-060-PP	CF-090-PP	CF-120-PP	CF-160-PP	CF-180-PP
Outer Dimensions W x D x H	600 x 750 x 1223 mm 23.62 x 29.5 x 48"	900 x 750 x 1223 mm 35.4 x 29.5 x 48"	1200 x 750 x 1223 mm 47.24 x 29.5 x 48"	1500 x 750 x 1223 mm 59 x 29.5 x 48"	1800 x 750 x 1223 mm 70.8 x 29.5 x 48"
Workspace (W x D x H)	585 x 610 x 695 mm 23 x 24 x 27.3"	885 x 610 x 695 mm 34.8 x 24 x 27.3"	1185 x 610 x 695 mm 46.6 x 24 x 27.3"	1485 x 610 x 695 mm 58.4 x 24 x 27.3"	1785 x 610 x 695 mm 70.2 x 24 x 27.3"
Front Sash Max. Opening	570 mm / 22.4"				
Production / Test Standard	EN-14175 / CE / ASHRAE 110-1995				
Air Velocity	0.5±0.1 m/s, 100±20 FPM				
Cabinet Material	Welded white polypropylene structure with built-in sealed polypropylene worktop				
Noise Level	<52dB	<52dB	<54dB	<60dB	<62dB
	(Tested 20 cm from the work table, 1.2m above ground)				
Power Supply	110 / 220V, 50/60 Hz, Single phase				
Illumination	800 LUX, Eco-friendly LED lighting				
Filter	Charcoal Filter/ multi-gas filter/HEPA				

Accessories

Spec/ Model	CF-060-PP	CF-090-PP	CF-120-PP	CF-160-PP	CF-180-PP
Stand WxDxH	CF-060-ST 600 x 700 x 800 mm 23.6 x 27.56 x 31.5"	CF-090-ST 900 x 700 x 800 mm 35.43 x 27.56 x 31.5"	CF-120-ST 1200 x 700 x 800 mm 47.24 x 27.56 x 31.5"	CF-160-ST 1600 x 700 x 800 mm 63 x 27.56 x 31.5"	CF-180-ST 1800 x 700 x 800 mm 70.86 x 27.56 x 31.5"
UV Light	CF-060-UV	CF-090-UV	CF-120-UV	CF-160-UV	CF-180-UV
Separate Table	CF-060-UB	CF-090-UB	CF-120-UB	CF-160-UB	CF-180-UB

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Web: www.topairsystems.com I Headquarters USA: 8912 68th Avenue Forest Hills New York 11375, USA

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Polypropylene Ductless Fume Hood + VAV

Topair's Polypropylene Ductless Fume Hoods provide a safe work environment for lab staff working with acids and harsh chemicals.

The hoods include an advanced VAV (Variable Air Volume) system with a VFD (Variable Frequency Driver). The VAV system measures the product's air velocity using a high quality sensor, and adjusts the air velocity speed to the relevant standard.

The system enables maximal energy savings, by flexibly adjusting the fan speed (high/low) to changing needs. The system features a high safety level, displaying real time air velocity and providing alarms for low velocity levels. This also reduces the fume cupboard's noise level.

NEW!

- VAV system with user friendly 4.3" color touch screen, settable operating speed, alarm speed, visual and audio alarms.
- Welded white polypropylene structure
- Built-in sealed polypropylene worktop
- Easily dissembled back wall
- Tempered glass sliding front window
- Top quality, quiet fan from EBM Germany
- Eco-friendly, cost-effective 800 LUX LED lighting separate from the fuming hall.
- Wind speed at 0.5 m/s, 100 FPM
- Easy filter replacement
- Top filtration unit including carbon filter
- Compliance with EN-14175 / CE / ASHRAE 110-1995
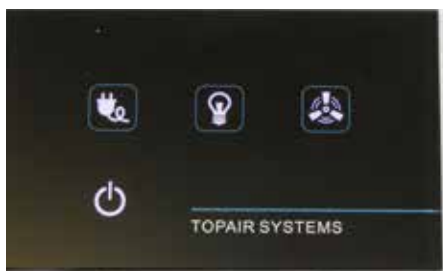
Optional Features

PPS V2

ESD Protected

Active Charcoal Filter

LED Lighting

Control Panel & VAV System

Tempered Glass Window

Electric Outlets

Models

Spec/ Model	CF-060-VAV	CF-090-VAV	CF-120-VAV	CF-160-VAV	CF-180-VAV
Outer Dimensions W x D x H	600 x 750 x 1223 mm 23.62 x 29.5 x 48"	900 x 750 x 1223 mm 35.4 x 29.5 x 48"	1200 x 750 x 1223 mm 47.24 x 29.5 x 48"	1500 x 750 x 1223 mm 59 x 29.5 x 48"	1800 x 750 x 1223 mm 70.8 x 29.5 x 48"
Workspace (W x D x H)	585 x 610 x 695 mm 23 x 24 x 27.3"	885 x 610 x 695 mm 34.8 x 24 x 27.3"	1185 x 610 x 695 mm 46.6 x 24 x 27.3"	1485 x 610 x 695 mm 58.4 x 24 x 27.3"	1785 x 610 x 695 mm 70.2 x 24 x 27.3"
Front Sash Max. Opening	570 mm / 22.4"				
Production / Test Standard	EN-14175 / CE / ASHRAE 110-1995				
Air Velocity	0.5±0.1 m/s, 100±20 FPM				
Cabinet Material	Welded white polypropylene structure with built-in sealed polypropylene worktop				
Noise Level	<52dB	<52dB	<54dB	<60dB	<62dB
	(Tested 20 cm from the work table, 1.2m above ground)				
Power Supply	110 / 220V, 50/60 Hz, Single phase				
Illumination	800 LUX, Eco-friendly LED lighting				
Filter	Charcoal Filter/ multi-gas filter/HEPA				

Accessories

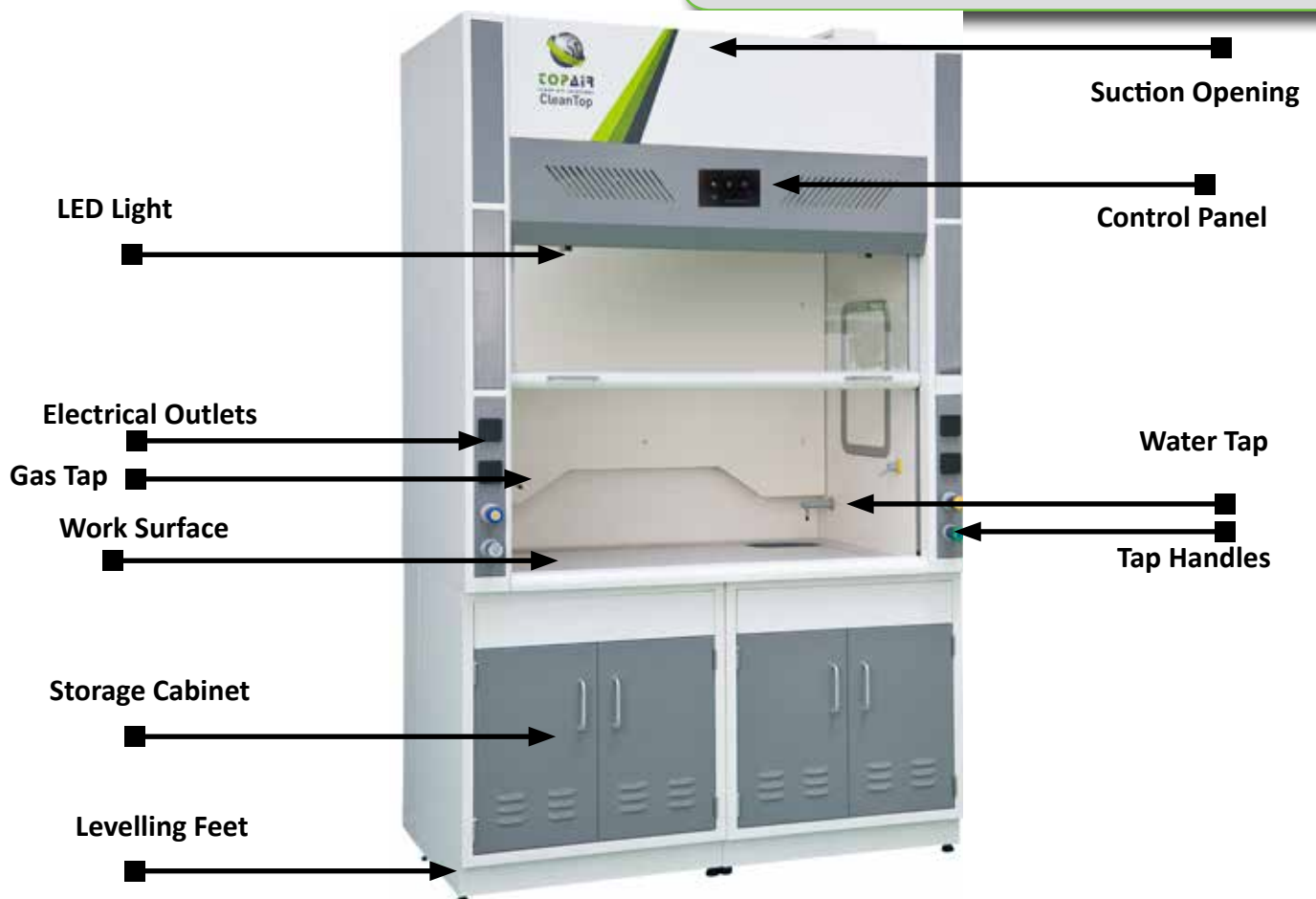| Spec/ Model	CF-060-VAV	CF-090-VAV	CF-120-VAV	CF-160-VAV	CF-180-VAV
Stand WxDxH	CF-060-ST 600 x 700 x 800 mm 23.6 x 27.56 x 31.5"	CF-090-ST 900 x 700 x 800 mm 35.43 x 27.56 x 31.5"	CF-120-ST 1200 x 700 x 800 mm 47.24 x 27.56 x 31.5"	CF-160-ST 1600 x 700 x 800 mm 63 x 27.56 x 31.5"	CF-180-ST 1800 x 700 x 800 mm 70.86 x 27.56 x 31.5"
UV Light	CF-060-UV	CF-090-UV	CF-120-UV	CF-160-UV	CF-180-UV
Separate Table	CF-060-UB	CF-090-UB	CF-120-UB	CF-160-UB	CF-180-UB

Metal Fume Cabinet

Topair's Metal Fume Cupboards protect laboratory staff from noxious fumes when working with acids, dangerous gas, organic solvents, etc. Harmful and unpleasant chemical fumes are removed from the controlled environment to facilitate a safe, pleasant work environment.

The Fume Cupboard channels chemical vapors out of the building using an internal fan installed on the roof or on an external wall.

The cabinet structure is made of epoxy-covered metal, while the internal structure is made of HPL 6mm.

The cabinets comply with **EN-14175 / CE / ASHRAE 110-1995 standards.**

- Metal epoxy-coated oven-tempered structure, with an optional polypropylene construction suitable for working with harsh chemicals
- Frontal tempered glass window, sliding horizontally on tracks
- Air suction from both the top and back panel
- LED lighting at 800 LUX, with optional rupture protection
- Airflow velocity of 0.5±0.1 m/s, 100±20 FPM
- Side walls coated with 6 mm HPL for durability and easy cleaning, option for polypropylene/stainless steel
- Epoxy work surface with edges sloping towards the workspace, with options for HPL/stainless steel/polypropylene/ceramic
- Control panel including an on/off unit power and light switch, with an optional VAV system
- Bottom cabinet for chemical storage, with an optional metal or polypropylene hood cabinet
- Compliance with EN-14175 / CE / ASHRAE 110-1995

Suction Opening

LED Light

Control Panel

Electrical Outlets

Water Tap

Gas Tap

Work Surface

Tap Handles

Storage Cabinet

Levelling Feet

Models

Spec/Model	FH-120	FH-150	FH-180
External Dimensions W x D x H	1200 x 800 x 2350 mm 47.2 x 31.5 x 92.5"	1500 x 800 x 2350 mm 59 x 31.5 x 92.5"	1800 x 800 X 2350 mm 70.9 x 31.5 x 92.5"
Workspace (W x D x H)	950 x 680 x 1145 mm 37.4 x 26.7 x 45"	1250 x 680 x 1145 mm 49.2 x 26.7 x 45"	1550 x 680 x 1145 mm 61 x 26.7 x 45"
Front Sash Max Opening	800 mm / 31.5"		
Production / test Standard	EN-14175 / CE / ASHRAE 110-1995		
Air Velocity	0.5±0.1 m/s, 100±20 FPM		
Cabinet Material	Inner coating – 6 mm HPL External - Cold rolled steel, static powder coated		
Work Table Material	HPL/ Ceramic / Epoxy / PP		
Optional Control System	VAV System with 7" color touch screen		
Standard Options	Water tap/ gas tap / vacuum tap/ pp sink / triplex glass / Ex proof light		
Power Supply	110 / 220V, 50/60 Hz, Single/Triple Phase		
Illumination	800 LUX		

Spec/Model	FH-120	FH-150	FH-180
Stand W x D x H	1200 x 800 x 800 mm 47.2 x 31.5 x 31.5"	1500 x 800 x 800 mm 59 x 31.5 x 31.5"	1800 x 800 x 800 mm 70.9 x 31.5 x 31.5"
PP Cap Sink	FH-PP-SINK		
Water Tap	FH-W-TAP		
Electrical Socket	FH-SOCKET		
Gas Tap	FH-G-TAP		
1.5 kw or 2.2 kw fan	FH-FAN-1.5 / FH-FAN-2.2		
Ceramic Worktop	FH-120-WTC	FH-150-WTC	FH-180-WTC
Leg Space Base	FH-120-VB	FH-150-VB	FH-180-VB
UV Light	FH-120-UV	FH-150-UV	FH-180-UV

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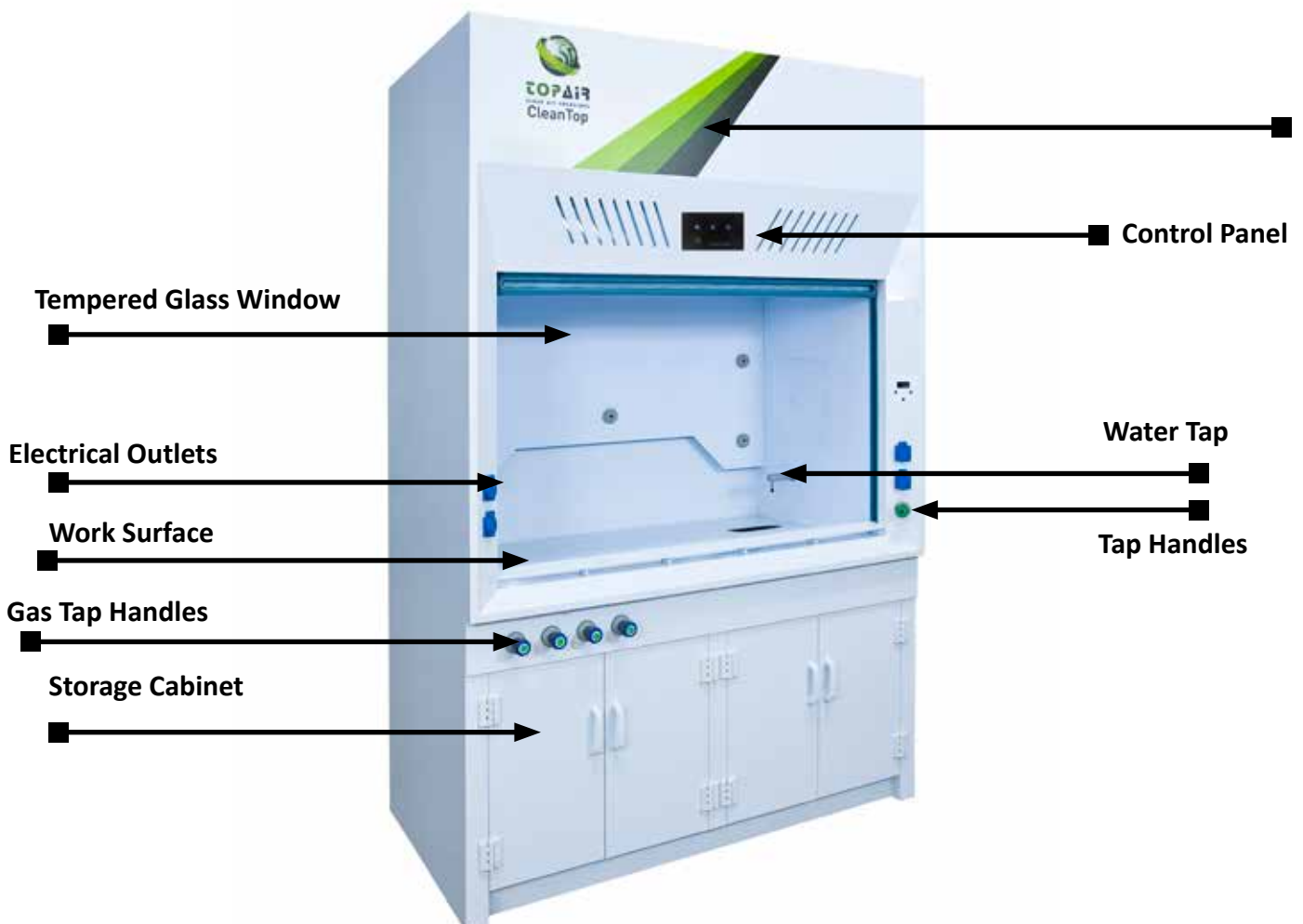
Polypropylene Fume Cabinet

Topair's Polypropylene Fume Cupboards are made of high-quality non-corrosive polypropylene with excellent chemical resistance. Polypropylene increases the product's tensile strength and improves its thermal characteristics.

The Polypropylene Fume Cupboards protect laboratory staff from noxious fumes released by acids, dangerous gas and organic solutions - materials and acids which regular steel hoods may not withstand.

Harmful and unpleasant chemical fumes are removed from the controlled environment to facilitate a safe and pleasant work environment. The Fume Cupboard channels chemical vapors out of the building using an external fan installed on the roof or on an external wall.

The cupboards are designed for work with heavy chemicals, and have been independently tested to meet the requirements of **EN-14175, ASHRAE 110-1995** standards.

- White polypropylene structure featuring high chemical resistance
- Compliance with EN-14175, ASHRAE 110-1995
- One-piece welded structure
- Built-in polypropylene worktop
- Tempered glass slide front sash
- Eco-friendly, cost-effective 800 LUX LED lighting separate from the fuming hall
- Lower base cabinet
- Optional: sink/water tap/gas tap/vacuum tap
- User-friendly digital control system including fan, light and signal light control
- Additional options: VAV system, variety of worktop materials

Tempered Glass Window

Electrical Outlets

Work Surface

Gas Tap Handles

Storage Cabinet

Control Panel

Water Tap

Tap Handles

Models

Spec/Model	FH-120-PP	FH-150-PP	FH-180-PP
External Dimensions W x D x H	1200 x 805x 2320 mm 47.3 x 31.7 x 91.3"	1500 x 805 x 2320 mm 59.0 x 31.7 x 91.3"	1800 x 805 x 2320 mm 70.9 x 31.7 x 91.3"
Workspace (W x D x H)	1000 x 630 x 1170 mm 39.4 x 24.8 x 46"	1300 x 630 x 1170 mm 51.2 x 24.8 x 46"	1600 x 630 x 1170 mm 63 x 24.8 x 46"
Front Sash Max Opening	720 mm / 28.3"		
Production / test Standard	EN-14175 / ASHRAE 110-1995		
Air Velocity	0.5±0.1 m/s, 100±20 FPM		
Cabinet Material	White Polypropylene		
Work Table Material	HPL/ Ceramic / Epoxy / PP		
Optional Control System	VAV System with 7" color touch screen		
Standard Options	Water tap/ gas tap / vacuum tap/ pp sink		
Power Supply	110 / 220V, 50/60 Hz, Single/triple phase		
Illumination	800 LUX LED lights		

Accessories

Spec/Model	FH-120	FH-150	FH-180
Stand W x D x H	1200 x 800 x 800 mm 47.2 x 31.5 x 31.5"	1500 x 800 x 800 mm 59 x 31.5 x 31.5"	1800 x 800 x 800 mm 70.9 x 31.5 x 31.5"
PP Cap Sink	FH-PP-SINK		
Water Tap	FH-W-TAP		
Electrical Socket	FH-SOCKET		
Gas Tap	FH-G-TAP		
1.5 or 2.2 kw fan	FH-FAN-1.5 / FH-FAN-2.2		
Ceramic Worktop	FH-120-WTC	FH-150-WTC	FH-180-WTC
Leg Space Base	FH-120-VB	FH-150-VB	FH-180-VB
UV Light	FH-120-UV	FH-150-UV	FH-180-UV

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Active Polypropylene Fume Cabinet

TopAir's Active Polypropylene Fume Cupboard is an advanced high quality system, offered at highly competitive prices relative to the market.

The unit is made of high-quality non-corrosive polypropylene with excellent chemical resistance.

The Active Fume Cupboards protect laboratory staff from noxious fumes released by acids, dangerous gas and organic solutions – materials and acids which regular steel hoods may not withstand. Harmful and unpleasant chemical fumes are removed from the controlled environment to facilitate a safe, pleasant work environment. The fume cupboard channels chemical vapors out of the building using an external fan installed on the roof or on an external wall.

The Fume Cupboard features a sensor which detects staff standing next to the unit, and accordingly, opens and closes the window automatically. The unit's fan speed changes according to the open/closed mode of the window, saving substantial energy.
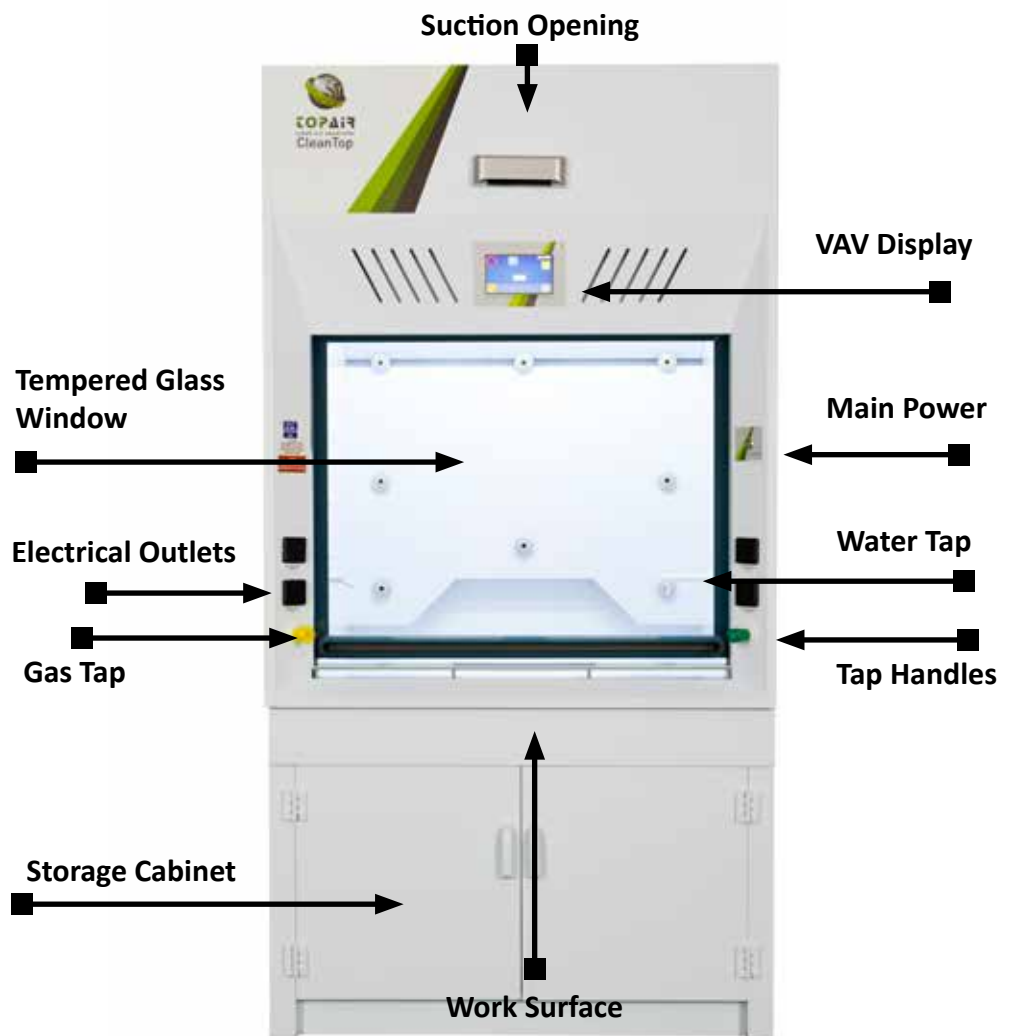
- White polypropylene structure featuring high chemical resistance
- Compliance with EN-14175 / ASHRAE 110-1995
- One-piece welded structure
- Built-in polypropylene worktop
- Tempered glass slide front sash
- VAV system including 7" color display screen
- Sensor detects staff presence and opens/closes the window, as well as adjusting fan speed to save energy
- Eco-friendly, cost-effective 800 LUX LED lighting separated from the fuming hall
- Optional: sink/water tap/gas tap/vacuum tap
- User-friendly digital control system including fan, light and signal light control
- Lower base cabinet
- Optional: Variety of worktop materials

Optional Features

PPS V2   ESD Protected

VAV System

TopAir's reliable VAV (Variable Air Volume) system for fume cupboards measures the air velocity using a high quality sensor. The data is converted to an analog signal that can control a VFD (Variable-Frequency Drive).

The system's key advantage is its ease of operation: an unskilled worker can easily calibrate, set the alarm and operation set points and control the system. The VAV system provides a safe energy-saving environment and can upgrade fume cupboards to smart, advanced devices. Topair's VAV system is provided as a complete installed product.

Suction Opening

VAV Display

Tempered Glass Window

Main Power

Electrical Outlets

Water Tap

Gas Tap

Tap Handles

Storage Cabinet

Work Surface

Models

CUSTOM SIZES AVAILABLE!

Spec/Model	FH-120-PP-ACT	FH-150-PP-ACT	FH-180-PP-ACT
External Dimensions W x D x H	1200 x 805 x 2320 mm 47.3x 31.7 x 91.3"	1500 x 805 x 2320 mm 59.0 x 31.7 x 91.3"	1800 x 805 x 2320 mm 70.9 x 31.7 x 91.3"
Workspace (W x D x H)	1000 x 630 x 1170 mm 39.4 x 24.8 x 46"	1300 x 630 x 1170 mm 51.2 x 24.8 x 46"	1600 x 630 x 1170 mm 63 x 24.8 x 46"
Front Sash Max Opening	720 mm / 28.3"	720 mm / 28.3"	720 mm / 28.3"
Production / test Standard	EN-14175 / ASHRAE 110-1995		
Air Velocity	0.5±0.1 m/s, 100±20 FPM		
Cabinet Material	White Polypropylene		
Work Table Material	HPL/ Ceramic / Epoxy / PP		
Control System	VAV system with 7" color touch screen		
Standard Options	Water tap/ gas tap / vacuum tap/ pp sink		
Power Supply	110 / 220V, 50/60 Hz, Single/triple phase		
Illumination	800 LUX LED lights		

Accessories

Spec/Model	FH-120	FH-150	FH-180
Stand W x D x H	1200 x 800 x 800 mm 47.2 x 31.5 x 31.5"	1500 x 800 x 800 mm 59 x 31.5 x 31.5"	1800 x 800 x 800 mm 70.9 x 31.5 x 31.5"
PP Cap Sink	FH-PP-SINK		
Water Tap	FH-W-TAP		
Electrical Socket	FH-SOCKET		
Gas Tap	FH-G-TAP		
1.5 or 2.2 kw fan	FH-FAN-1.5 / FH-FAN-2.2		
Ceramic Worktop	FH-120-WTC	FH-150-WTC	FH-180-WTC
Leg Space Base	FH-120-VB	FH-150-VB	FH-180-VB
UV Light	FH-120-UV	FH-150-UV	FH-180-UV

Polypropylene Walk-In Fume Cabinet

Topair's walk-in fume cabinet protects laboratory staff from noxious fumes released by acids, dangerous gas and organic solvents– materials and acids which regular steel hoods may not withstand.

The cabinet offers a large front opening designed to contain large, heavy, or tall equipment. The cabinet is made of high-quality non-corrosive polypropylene with excellent chemical resistance. Polypropylene increases the product's tensile strength and improves its thermal characteristics.

Harmful and unpleasant chemical fumes are removed from the controlled environment to facilitate a safe, pleasant work environment. The Fume Cupboard channels chemical vapors out of the building using an external fan installed on the roof or on an external wall.
The cupboards have been independently tested to meet the requirements of **EN-14175, ASHRAE 110-1995** standards.

- White polypropylene structure featuring high chemical resistance

- Compliance with EN-14175, ASHRAE 110-1995

- Large front window - 1.80mm high

- One-piece welded structure

- Tempered glass slide front sash

- Eco-friendly, cost-effective 800 LUX LED lighting separate from the fuming hall

- Lower base cabinet

- Optional: sink/water tap/gas tap/vacuum tap

- User-friendly digital control system including fan, light and signal light control

- Additional options: VAV system, variety of worktop materials

Optional Features

PPS V2

ESD Protected

Suction Opening

Tempered Glass Window

Control Panel

Models

CUSTOM SIZES AVAILABLE!

Spec/Model	FH-120-WI-PP	FH-150-WI-PP	FH-180-WI-PP
External Dimensions W x D x H	1200 x 850 x 2320 mm 47.3x 33.5x 92.5"	1500 x 850 x 2320 mm 59.0 x 33.5 x 92.5"	1800 x 850 x 2320 mm 70.9 x 33.5 x 92.5"
Internal Dimensions (W x D x H)	1000 x 650 x 1900 mm 39.4 x 25.6 x 74.8"	1300 x 650 x 1900 mm 51.2 x 25.6 x 74.8"	1600 x 650 x 1900 mm 63 x 25.6 x 74.8"
Production / test Standard	EN-14175 / ASHRAE 110-1995		
Air Velocity	0.5±0.1 m/s, 100±20 FPM		
Cabinet Material	White Polypropylene		
Optional Control System	VAV System with 7" color touch screen		
Standard Options	Water tap/ gas tap / vacuum tap/ pp sink		
Power Supply	110 / 220V, 50/60 Hz, Single/triple phase		
Illumination	800 LUX LED lights		

Accessories

Spec/Model	FH-120	FH-150	FH-180
Stand W x D x H	1200 x 800 x 800 mm 47.2 x 31.5 x 31.5"	1500 x 800 x 800 mm 59 x 31.5 x 31.5"	1800 x 800 x 800 mm 70.9 x 31.5 x 31.5"
PP Cap Sink	FH-PP-SINK		
Water Tap	FH-W-TAP		
Electrical Socket	FH-SOCKET		
Gas Tap	FH-G-TAP		
1.5 or 2.2 kw fan	FH-FAN-1.5 / FH-FAN-2.2		
Ceramic Worktop	FH-120-WTC	FH-150-WTC	FH-180-WTC
Leg Space Base	FH-120-VB	FH-150-VB	FH-180-VB
UV Light	FH-120-UV	FH-150-UV	FH-180-UV

Polypropylene Fume Cabinet - Wet Scrubber

TopAir's Polypropylene Fume Cabinet - Wet Scrubber is used to filter out acids and prevent them from being released into the environment. The scrubber is built-in as an integrated part of the cabinet.

The system features a quality scrubbing media which collects mist and chemicals and channels them down to the water tank. Its upper eliminator prevents mist from reaching the exhaust fan.

The Polypropylene Fume Cupboards are made of high-quality non-corrosive polypropylene with excellent chemical resistance.

The Polypropylene Fume Cupboards protect laboratory staff from noxious fumes released by acids, dangerous gas and organic solvents- materials and acids which regular steel hoods may not withstand.

The cupboards are designed for work with heavy chemicals and have been independently tested to meet the requirements of **EN-14175, ASHRAE 110-1995** standards.

NEW!

- Wide surface for extended reach
- Low noise system
- Low pressure drop
- Compact size
- Easy access for maintenance and repairs
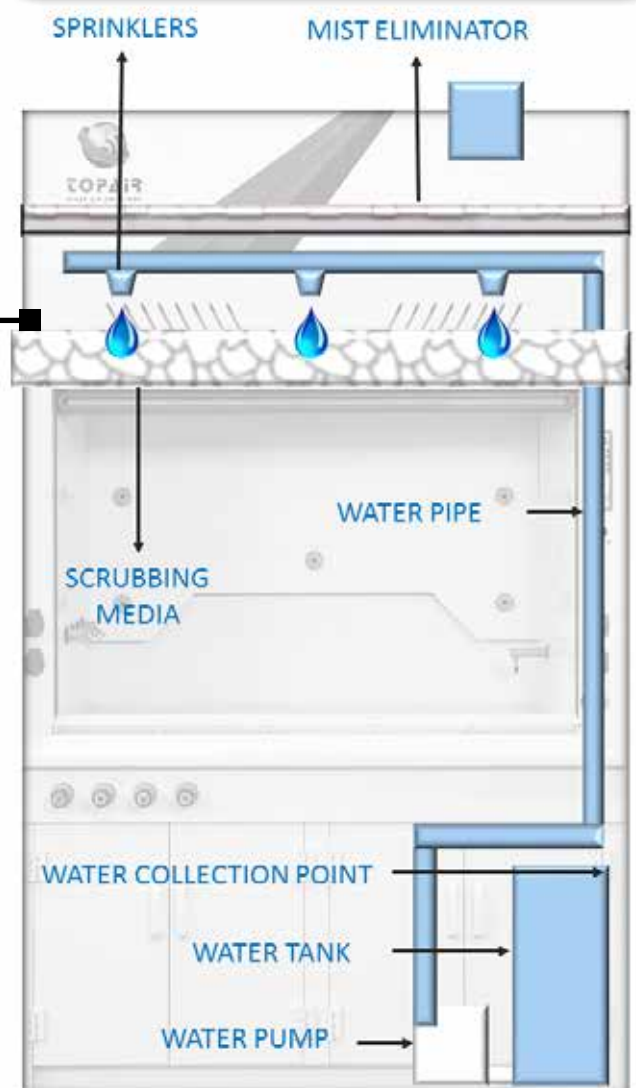- Compliance with EN-14175, ASHRAE 110-1995, CE

Components
- Spray Nozzles
- Upper Eliminator
- Scrubbing Media
- Water Pump
- Water Tank
- Visual + Audio Alarm   for Low Water Level

PPS V2   ESD Protected

Optional Features

PPS V2   ESD Protected

SPRINKLERS   MIST ELIMINATOR

WATER PIPE

SCRUBBING MEDIA

WATER COLLECTION POINT

WATER TANK

WATER PUMP

Models ▶ CUSTOM SIZES AVAILABLE!

Spec/Model	FH-120-WS	FH-150-WS	FH-180-WS
External Dimensions W x D x H	1200 x 805x 2500 mm 47.2 x 31.7 x 98.4"	1500 x 805 x 2500 mm 59.0 x 31.7 x 98.4"	1800 x 805 x 2500 mm 70.9 x 31.7 x 98.4"
Workspace (W x D x H)	1000 x 630 x 1170 mm 39.4 x 24.8 x 46"	1300 x 630 x 1170 mm 51.2 x 24.8 x 46"	1600 x 630 x 1170 mm 63 x 24.8 x 46"
Front Sash Max Opening	720 mm / 28.3"		
Production / test Standard	EN-14175 / CE / ASHRAE 110-1995		
Air Velocity	0.5±0.1 m/s, 100±20 FPM		
Cabinet Material	White Polypropylene		
Work Table Material	HPL/ Ceramic / Epoxy / PP		
Optional Control System	VAV System with 7" color touch screen		
Standard Options	Water tap/ gas tap / vacuum tap/ pp sink		
Power Supply	110 / 220V, 50/60 Hz, Single/triple phase		
Illumination	800 LUX LED lights		

Accessories

Spec/Model	FH-120	FH-150	FH-180
Stand W x D x H	1200 x 800 x 800 mm 47.2 x 31.5 x 31.5"	1500 x 800 x 800 mm 59 x 31.5 x 31.5"	1800 x 800 x 800 mm 70.9 x 31.5 x 31.5"
PP Cap Sink	FH-PP-SINK		
Water Tap	FH-W-TAP		
Electrical Socket	FH-SOCKET		
Gas Tap	FH-G-TAP		
1.5 or 2.2 kw fan	FH-FAN-1.5 / FH-FAN-2.2		
Ceramic Worktop	FH-120-WTC	FH-150-WTC	FH-180-WTC
Leg Space Base	FH-120-VB	FH-150-VB	FH-180-VB
UV Light	FH-120-UV	FH-150-UV	FH-180-UV

Add-On Accessories

Part Number	Description	Photo	Dimensions
HSA-10-2	Gas Tap Mouth		
HSB6-1	Gas Tap Mouth		
HSB6-3	Gas Tap Mouth		
HSA-10	Gas remote control valve		
HSB3-1	Side Wall Gas Tap		
HSA-10B	Water tap remote control		
HSB6-2	Water tap mouth		
HSA-10-2	HSA13-1		

Part Number	Description	Photo	Dimensions
HSA10-3	Water tap mouth		
HSP1-PP	Polypropylene sink		
HSP2-PP	Polypropylene sink		
HSP3-PP	Polypropylene sink		
HSP-4	Polypropylene sink		
HSP4-1	Polypropylene sink		
HSP4-2	Polypropylene sink		
HSP4-3	Polypropylene sink		

Add-On Accessories

Part Number	Description	Photo	Dimensions
HSP5-P	Bottle trap		
HSKP-6a	Protection net		
HSP7-2	Polypropylene sink		
HSP7-3	Polypropylene sink		
HSD-2	Polypropylene peg board		
HSD-1B	Stainless steel peg board		
HSD-1	Polypropylene peg board		
HSD-2B	Stainless steel peg board		

Fume Cabinets

Polypropylene
Fume Cabinet

Walk In Fume Cabinet

Active Polypropylene
Fume Hood

Metal Horizontal Laminar Clean Bench

TopAir provides high quality, safe Horizontal Laminar Clean Benches. TopAir's clean benches suck air from the room or hall space, transfer the air through a HEPA filter using a fan, and then clean the bench area with filtered air.

In Horizontal Benches, the filtered air flows through a filter installed at the back of the bench toward the staff.

All components are produced by leading global companies, such as EBM Germany and AAF USA.

The Clean Bench complies with production/test standard **USA Federal Standard 209E / ISO 1- 144641** and can be customized to the specifications of each client.

Clean benches are designed to supply a clean controlled work environment meeting Class 100/ISO5 cleanliness standard, resembling a clean room, with the additional advantages of portability and small dimensions.

Clean benches provide a high quality alternative to a clean room at a much lower cost and without massive construction.

- Horizontal air stream producing clean air in compliance with ISO5/ CLASS100 or ISO4/Class10 standards (depending on the filter installed).
- Compliance with production/test standard: USA Federal Standard 209E / ISO-14644-1
- Massive epoxy coated, oven-tempered metal structure assures stability, preventing movement during sensitive operations.
- User-friendly digital control system manages fan speed and lighting system; optional alert for filter blockage.
- Work surface made of 304 stainless steel that does not emit particles
- Side windows made from tempered glass, allowing an optimal view of work inside the unit
- High quality, quiet fan by EBM Germany; the fan enclosure is padded with noise-absorbing material
- Noise level < 58 DBA
- Universal electrical outlet
- Innovative, advanced design
- Variety of sizes and materials
- Eco-friendly, cost-effective LED lighting

Preliminary Filter

Fan

Control Panel

HEPA Filter

Models

Spec/Model	HC-H90	HC-H120	HC-H160	HC-H180
Outer Dimensions W x D x H	1030 x 930 x 1110 mm 40.5 x 36.6 x 43.7"	1330 x 930 x 1110 mm 52.3" x 36.6 x 43.7"	1630 x 930 x 1110 mm 64 x 36.6 x 43.7"	1930 x930 x 1110 mm 76 x 36.6 x 43.7"
Workspace (W x D x H)	900 x 660 x 640 mm 35.4 x 26 x 25"	1200 x 660 x 640 mm 47.2 x 26 x 25"	1500 x 660 x 640 mm 59 x 26 x 25"	1800 x 660 x 640 mm 70.9 x 26 x 25"
Production / Test Standard	USA Federal Standard 209E / ISO-14644-1, CE			
Air Velocity m/s	Average 0.45±20% m/s 90±20% FPM			
Cleanliness within Workstation	Class-100 (FS 209E) ISO 5, ISO-14644-1			
Cabinet Material	High grade cold rolled steel and surface is static powder coated			
Work Table Material	Stainless steel SUS 304			
Noise	<58dB	<58dB	<60dB	<62dB
	(Tested 20 cm from the work table, 1.2m above ground)			
Power Supply	110 / 220V, 50/60 Hz, Single phase			
Illumination	800 LUX LED lighting			
Filter	HEPA Filter Efficiency of 99,9995% at 0.3 Microns H14 (Optional ULPA filter)			

Accessories

Spec/Model	HC-H90	HC-H120	HC-H160	HC-H180-ST
Stand WxDxH	HC-H90-ST	HC-H120-ST	HC-H160-ST	HC-H180-ST
UV light	HC-H90-UV	HC-H120-UV	HC-H160-UV	HC-H180-UV
Separate Table	HC-H90-VB	HC-H120-VB	HC-H160-VB	HC-H180-VB

Tel : +1-855-6-TOPAIR (+1-855-686-7247) Email: sales@topairsystems.com
Web: www.topairsystems.com I Headquarters USA: 8912 68th Avenue Forest Hills New York 11375, USA

Polypropylene Horizontal Laminar Clean Bench

TopAir provides high quality, secure Horizontal Laminar Clean Benches. TopAir's clean benches suck air from the room or hall space, transfer the air through a HEPA filter using a fan, and then clean the bench area with filtered air.

In Horizontal Benches, the filtered air flows through a filter installed at the back of the bench, toward the staff.

All components are manufactured by leading global companies, such as EBM Germany and AAF USA.

The Clean Bench complies with **production/test standard USA Federal Standard 209E / ISO 1- 144641** and can be customized to customer requirements.

Clean benches are designed to supply a clean controlled work environment meeting Class 100/ISO5 cleanliness standard, resembling a clean room, with the additional advantages of portability and small dimensions.

Clean benches provide a high quality alternative to a clean room at a much lower cost and without massive construction.

- Horizontal air stream producing clean air in compliance with ISO5/ CLASS100 or ISO4/Class10 standards (depending on the filter installed).
- Compliance with production/test standard: USA Federal Standard 209E / ISO-14644-1
- Polypropylene structure assures stability, preventing movement during sensitive operations.
- User-friendly digital control system manages fan speed and lighting system; optional alert for filter blockage.
- Work surface made of 304 stainless steel that does not emit particles
- Side windows made from tempered glass, allowing an optimal view of work inside the unit
- High quality, quiet fan by EBM Germany; the fan enclosure is padded with noise-absorbing material
- Noise level < 58 DBA
- Universal electrical outlet
- Innovative, advanced design
- Variety of sizes and materials
- Eco-friendly, cost-effective LED lighting

Fan

Preliminary Filter

Control Panel

HEPA Filter
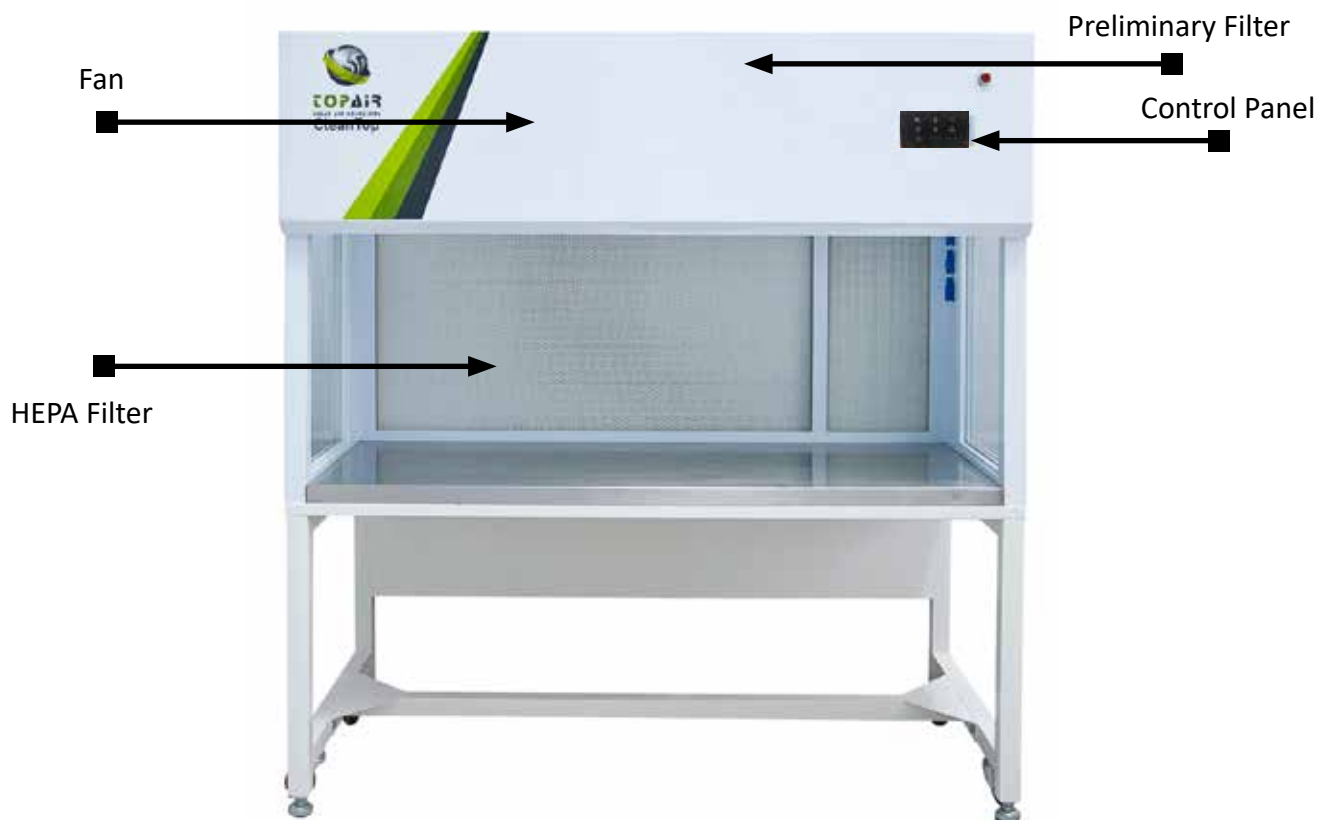
Models

Spec/Model	HC-H90P	HC-H120P	HC-H150P	HC-H180P
Outer Dimensions W x D x H	1030 x 930 x 1110 mm 40.5 x 36.6 x 43.7"	1330 x 930 x 1110 mm 52.3" x 36.6 x 43.7"	1630 x 930 x 1110 mm 64 x 36.6 x 43.7"	1930 x930 x 1110 mm 76 x 36.6 x 43.7"
Workspace (W x D x H)	900 x 600 x 660 mm 35.4 x 26 x 25"	1200 x 660 x 640 mm 47.2 x 26 x 25"	1500 x 660 x 640 mm 59 x 26 x 25"	1800 x 660 x 640 mm 70.9 x 26 x 25"
Production / Test Standard	USA Federal Standard 209E / ISO-14644-1, CE			
Air Velocity m/s	Average 0.45±20% m/s 90±20% FPM			
Cleanliness within Work-station	Class-100 (FS 209E) ISO 5, ISO-14644-1			
Cabinet Material	Polypropylene			
Work Table Material	Stainless steel SUS 304			
Noise	<58dB	<58dB	<60dB	<62dB
	(Tested 20 cm from the work table, 1.2m above ground)			
Power Supply	110 / 220V, 50/60 Hz, Single phase			
Illumination	800 LUX LED lighting			
Filter	HEPA Filter Efficiency of 99,9995% at 0.3 Microns H14 (Optional ULPA filter)			

Accessories

Spec/Model	HC-H90P	HC-H120P	HC-H160P	HC-H180P
Stand WxDxH	HC-H90-ST	HC-H120-ST	HC-H160-ST	HC-H180-ST
UV light	HC-H90-UV	HC-H120-UV	HC-H160-UV	HC-H180-UV
Separate Table	HC-H90-VB	HC-H120-VB	HC-H160-VB	HC-H180-VB

Metal Vertical Laminar Clean Bench

TopAir provides high quality, safe Vertical Laminar Clean Benches. The clean benches suck air from the room or hall space, transfer the air through a HEPA filter using a fan, and then clean the bench area with filtered air.

In Vertical Benches, the filtered air is channeled downwards through a filter installed at the top of the bench.

All components are produced by leading global companies, such as EBM Germany and AAF USA.

The Clean Bench complies with production/test standard **USA Federal Standard 209E / ISO 1- 144641** and is customized to the specifications of each client.

Clean benches are designed to supply a clean controlled work environment meeting Class 100/ISO5 cleanliness standard, resembling a clean room, with the additional advantages of portability and small dimensions.

Clean benches provide a high quality alternative to a clean room at a much lower cost and without massive construction.

- Vertical air stream producing clean air at ISO5/ CLASS100 or ISO4/Class10 standards
- Compliance with production/test standard: USA Federal Standard 209E / ISO-14644-1
- Massive epoxy-coated and oven tempered metal structure assures stability, preventing bench movements throughout sensitive operations.
- User-friendly digital control system manages fan speed and lighting system operation; optional alert for filter blockage.
- Work surface made of 304 stainless steel which does not emit particles
- Side windows made of tempered glass, allowing an optimal view of work inside the unit
- High quality, quiet fan from EBM Germany; the fan enclosure is padded with noise-blocking material
- Noise level < 58 DBA
- Universal electrical outlet
- Innovative, advanced design
- Variety of sizes and materials
- Eco-friendly, cost-effective LED lighting

Fan

Preliminary Filter

Control Panel

HEPA Filter
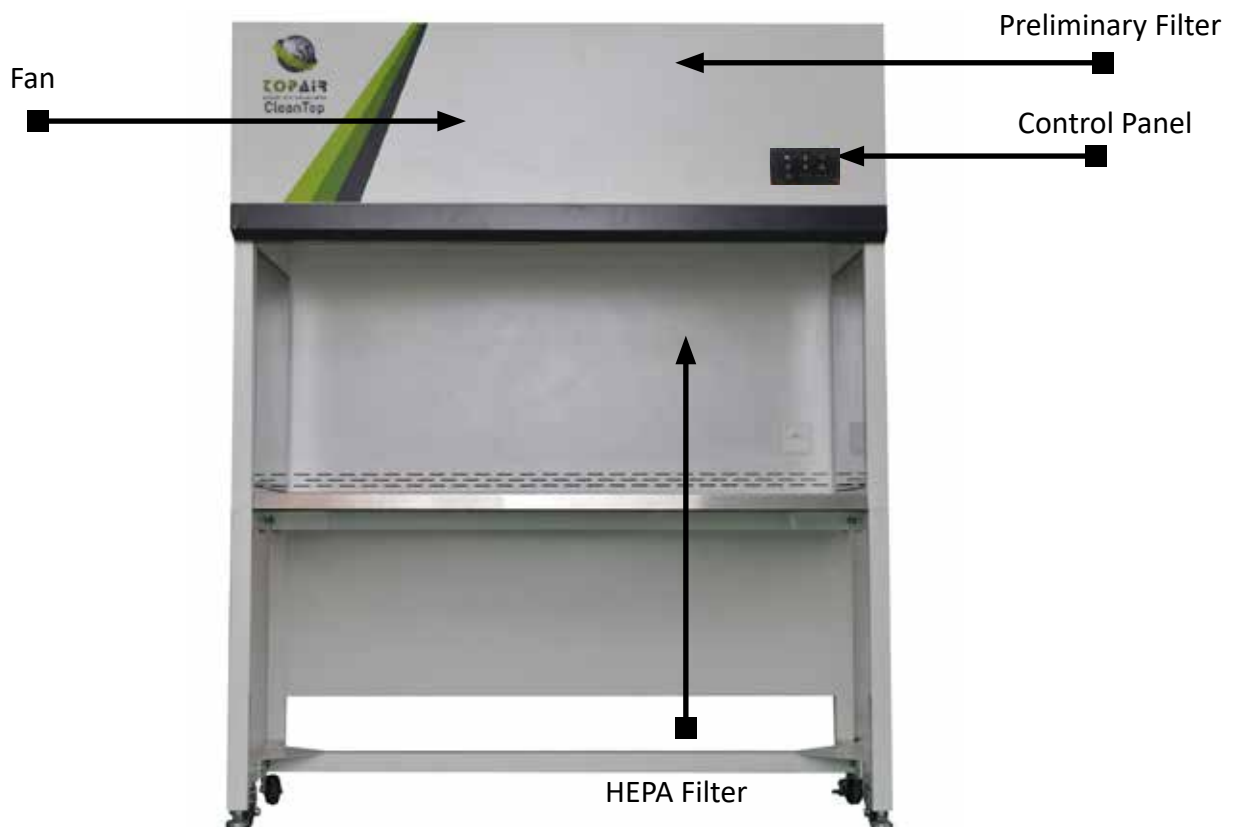
Models

Spec/Model	HC-V90	HC-V120	HC-V150	HC-V180
Outer Dimensions W x D x H	1000 x 760 x 1250 mm 39.3 x 30 x 49.2"	1300 x 760 x 1250 mm 51.1 x 30 x 49.2"	1600 x 760 x 1250 mm 63 x 30 x 49.2"	1900 x 760 x 1250 mm 74.8 x 30 x 49.2"
Workspace (W x D x H)	900 x 660 x 750 mm 35.4 x 26 x 29.5"	1200 x 660 x 750 mm 47.2 x 26 x 29.5"	1500 x 660 x 750 mm 59 x 26 x 29.5"	1800 x 660 x 750 mm 70.8 x 26 x 29.5"
Production / test Standard	USA Federal Standard 209E / ISO-14644-1, CE			
Air Velocity m/s	0.5 m/s, 100 FPM			
Cleanliness in Workstation	Class-100 (FS 209E) ISO 5, ISO-14644-1			
Cabinet Material	High grade cold rolled steel and surface is static powder coated			
Work Table Material	Stainless steel SUS 304			
Noise	<58dB	<58dB	<60dB	<62dB
Test Location	(Tested 20 cm from the work table, 1.2m above ground)			
Power Supply	110 / 220V, 50/60 Hz, Single phase			
Illumination	800 LUX LED lighting			
Filter	HEPA Filter Efficiency of 99,9995% at 0.3 Microns H14 (Optional ULPA filter)			

Accessories

Spec/Model	HC-V90	HC-V120	HC-V160	HC-V180
Stand WxDxH	HC-V90-ST	HC-V120-ST	HC-V160-ST	HC-V180-ST
UV Light	HC-V90-UV	HC-V120-UV	HC-V160-UV	HC-V180-UV
Separate Table	HC- V90-VB	HC-V120-VB	HC-V160-VB	HC-V180-VB

Polypropylene Vertical Laminar Clean Bench

TopAir provides high-quality, safe Vertical Laminar Clean Benches. TopAir's clean benches suck air from the room or hall space, transfer the air through a HEPA filter using a fan, and then clean the bench area with filtered air.

In Vertical Benches, the filtered air is channeled downwards through a filter installed at the top of the bench.

All components are produced by leading global companies, such as EBM Germany and AAF USA.

Clean benches are designed to supply a clean controlled work environment meeting Class 100/ISO5 cleanliness standard, resembling a clean room, with the additional advantages of portability and small dimensions.

Clean benches provide a high quality alternative to a clean room at a much lower cost and without massive construction.

The Clean Bench complies with production/test standard **USA Federal Standard 209E / ISO 1- 144641** and can be customized to customer requirements.

- Vertical air stream producing clean air at ISO-5/CLASS100 or ISO4/Class10 standards
- Polypropylene structure assures stability, preventing bench movements throughout sensitive operations.
- Compliance with production/test standard: USA Federal Standard 209E / ISO 1- 144641
- User-friendly digital control system manages fan speed and lighting system operation; optional alert for filter blockage.
- Work surface made of 304 stainless steel which does not emit particles
- Side windows made of tempered glass, allowing an optimal view of work inside the unit
- High quality, quiet fan from EBM Germany; the fan enclosure is padded with noise-absorbing material
- Noise level < 58 DBA
- Universal electrical outlet
- Variety of sizes and materials
- Eco-friendly, cost-effective LED lighting

Fan

Preliminary Filter

Control Panel

Models

Spec/Model	HC-V90P	HC-V120P	HC-V150P	HC-V180P
Outer Dimensions W x D x H	1030 x 760 x 1250 mm 40.5 x 30 x 49.2"	1330 x 760 x 1250 mm 52.3 x 30 x 49.2"	1630 x 760 x 1250 mm 64.1 x 30 x 49.2"	1930 x760 x 1250 mm 76 x 30 x 49.2"
Workspace (W x D x H)	900 x 660 x 750 mm 35.4 x 26 x 29.5"	1200 x 660 x 750 mm 47.2 x 26 x 29.5"	1500 x 660 x 750 mm 59 x 26 x 29.5"	1800 x 660 x 750 mm 70.8 x 26 x 29.5"
Production / test Standard	USA Federal Standard 209E / ISO-14644-1, CE			
Air Velocity m/s	0.5 m/s, 100 FPM			
Cleanliness in Workstation	Class-100 (FS 209E) ISO 5, ISO-14644-1			
Cabinet Material	Polypropylene			
Work Table Material	Stainless steel SUS 304			
Noise	<58dB	<58dB	<60dB	<62dB
Test Location	(Tested 20 cm from the work table, 1.2m above ground)			
Power Supply	110 / 220V, 50/60 Hz, Single phase			
Illumination	800 LUX LED lighting			
Filter	HEPA Filter Efficiency of 99,9995% at 0.3 Microns H14 (Optional ULPA filter)			

Accessories

Spec/Model	HC-V90P	HC-V120P	HC-V160P	HC-V180P
Stand WxDxH	HC-V90-ST	HC-V120-ST	HC-V160-ST	HC-V180-ST
UV Light	HC-V90-UV	HC-V120-UV	HC-V160-UV	HC-V180-UV
Separate Table	HC- V90-VB	HC-V120-VB	HC-V160-VB	HC-V180-VB

Polypropylene UV PCR Cabinet

TopAir's Polypropylene PCR Cabinets offer a quality filtering system which provides complete protection from contamination.

Made of high-quality non-corrosive polypropylene, the cabinets feature a high level of chemical resistance. Polypropylene increases the product's tensile strength and improves its thermal characteristics.

The cabinets are used in the genomics, proteomics, molecular biology and forensic sciences industries.

They feature an ergonomic design and premium materials, including a cutting-edge EBM motor fan ensuring long-term durability and low noise.

The Cabinet complies with production/test standard: **USA Federal Standard 209E / ISO 1- 144641 and has CE certification.**

- Welded white polypropylene structure
- Built-in polypropylene worktop
- Compliance with production/test standard: USA Federal Standard 209E / ISO 1- 144641 and CE
- Ozone free UV lightbulb, UV output at 1M 254nm
- Tempered glass frameless pivot window
- Eco-friendly, cost-effective 800 LUX LED lighting
- Wind speed at 0.5±0.1 m/s, 100±20 FPM
- Smart safety mechanism prevents UV exposure
- Optional: Top filtration unit including HEPA filter
- User-friendly control panel including fan, UV and lighting control as well as UV timer (30 min).

Pre Filter

Fan

Control Panel

UV Light

Front Window

Worktable
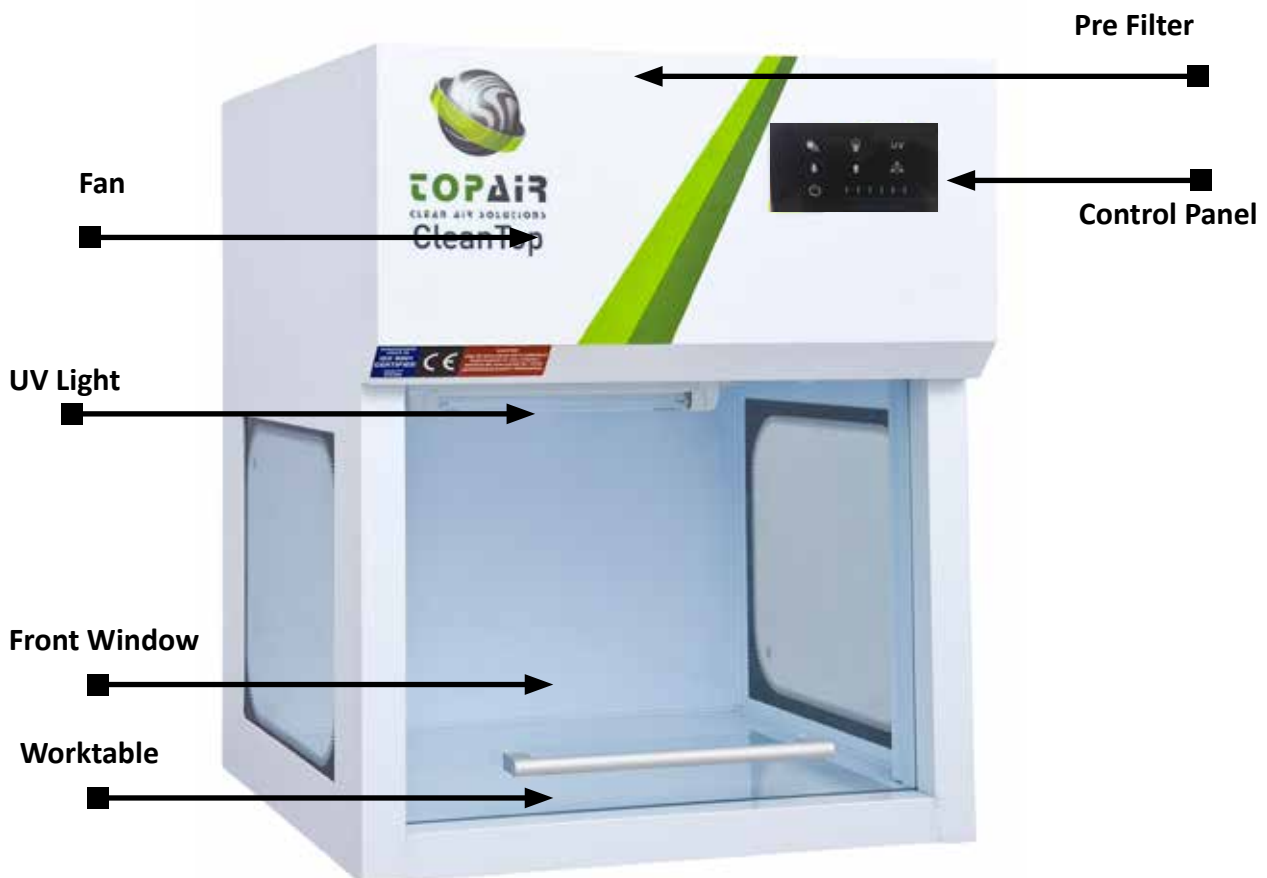
Models

CUSTOM SIZES AVAILABLE!

Spec/ Model	PCR-060-HEPA	PCR-060-UV	PCR-090-HEPA	PCR-090-UV	PCR-120-HEPA	PCR-120-UV
External Dimensions W x D x H	600 x 640 x 900 mm 23.6 x 25.2 x 35.4"	600 x 640 x 750 mm 23.6 x 25.2 x 29.5"	900 x 640 x 900 mm 35.4 x 25.2 x 35.4"	900 x 640 x 750 mm 35.4 x 25.2 x 29.5"	1200 x 640 x 900 mm 47.2 x 25.2 x 35.4"	1200 x 640 x 750 mm 47.2 x 25.2 x 29.5"
Workspace (W x D x H)	585 x 450 x 500 mm 23 x 17.7 x 19.7"	580 x 450 x 550 mm 22.8 x 17.7 x 21.6"	885 x 450 x 500 mm 34.8 x 17.7 x 19.7"	880 x 450 x 550 mm 34.6 x 17.7 x 21.6"	1185 x 450 x 500 mm 46.6 x 17.7 x 19.7"	1180 x 450 x 550 mm 46.4 x 17.7 x 21.6"
Front Sash Max Opening	450 mm / 17.7"	500 mm / 19.6"	450 mm / 17.7"	500 mm / 19.6"	450 mm /17.7"	500 mm / 19.6"
Production / test Standard	USA Federal Standard 209E / ISO 1- 144641, CE					
Air Velocity	0.5±0.1 m/s, 100±20 FPM	None	0.5±0.1 m/s, 100±20 FPM	None	0.5±0.1 m/s, 100±20 FPM	None
Filter	H14, HEPA	None	H14, HEPA	None	H14, HEPA	None
Cabinet Material	White Polypropylene					
Noise	< 52 dB					
UV light	17w ozone free 245nm					
Power Supply	110 / 220V , 50/60 Hz, Single phase					
Illumina- tion	800 LUX LED lighting					

Accessories

Spec/Model	PCR-060-ST	PCR-090-ST	PCR-120-ST
Stand W X D X H	600 X 640 X 802 mm 24 x 25.2 x 31.57"	900 X 640 X 802 mm 36 x 25.2 x 31.57"	1200 X 640 X 802 mm 48 x 25.2 x 31.57"

Tel : +1-855-6-TOPAIR (+1-855-686-7247) Email: sales@topairsystems.com
Web: www.topairsystems.com I Headquarters USA: 8912 68th Avenue Forest Hills New York 11375, USA

Polypropylene Biosafety Cabinet Class-A2

TopAir's Class A2 Biological Safety Cabinet protects lab staff, the environment and sensitive work processes in which biological agents are applied.
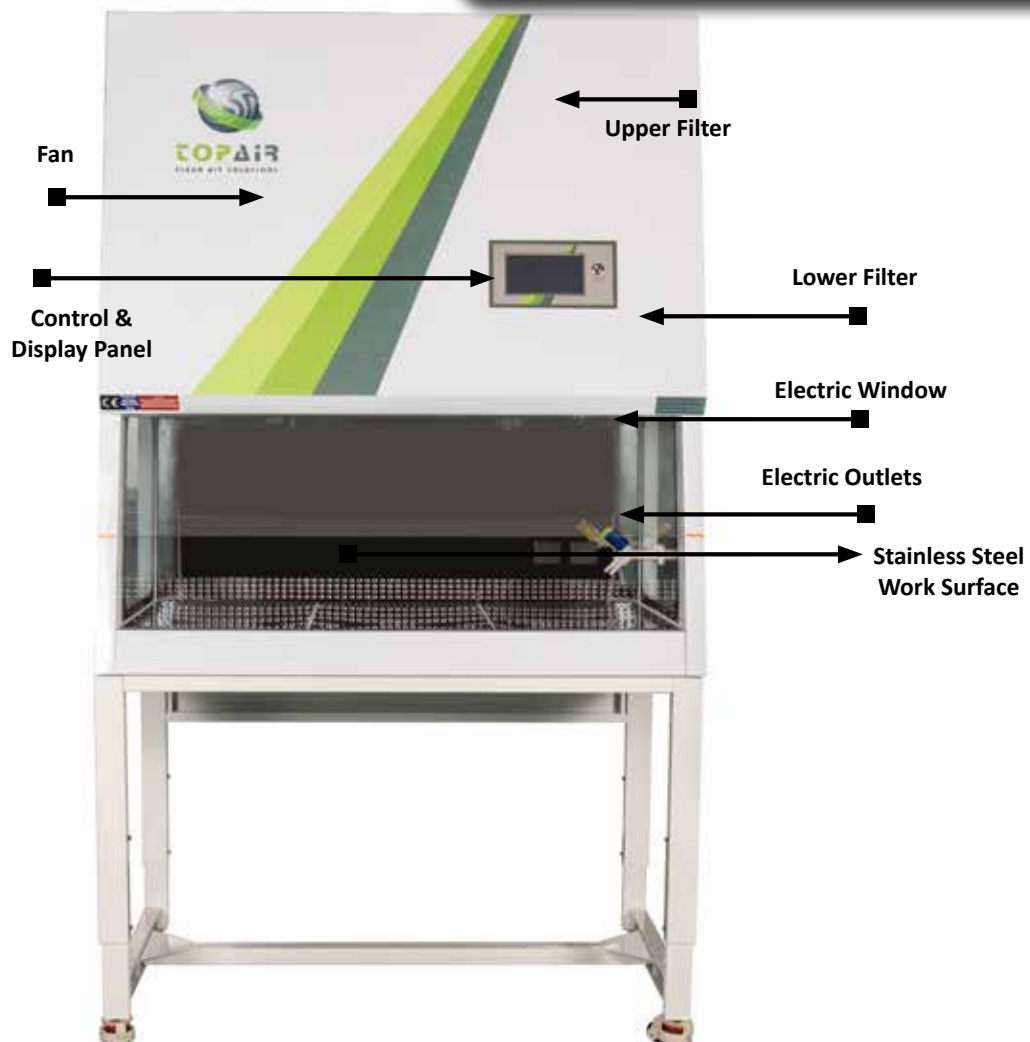
The product offers a high level of contamination protection, based on two advanced HEPA filters operating at a typical efficiency of 99.9995%@0.3 um, with an airflow pattern of 70% downflow and 30% exhaust.

The cabinet's polypropylene structure offers an optimal solution as a solid, easily-cleaned high-resistance material.

The cabinet is equipped with a smart, safe and elegant touch-screen control system that protects the operator and provides alerts for periodic maintenance actions and devices' replacement.

All components have low energy consumption, LED lighting and an EC fan motor. The system also has a programmable "green" night mode, that shuts down

- Polypropylene structure, tempered glass side walls, 304 stainless steel work surface & spill tray
- Two H14 HEPA filters
- Advanced EC fan with 304 stainless steel housing
- ISO 5/ CLASS 100 cleanliness level according to EN 12469 & CE standards
- Smart touch screen control system
- Technician calibration screen
- Maintenance & technical faults alarms
- Timers and counters management screen
- Germicidal water proof UV light system and safety interlock mechanism
- 6 mm double layer safety front glass window with electrical motion system
- Programmable economical night mode
- Economical LED light

Fan

Upper Filter

Control & Display Panel

Lower Filter

Electric Window

Electric Outlets

Stainless Steel Work Surface

Models

Spec/ Model	BO-090PP	BO-120PP	BO-150PP	BO-180PP
Outer Dimensions W x D x H	925 x 800 x 2280 mm 36.4x 31.5 x 89.7"	1225 x 800 x 2280 mm 47.2 x 31.5 x 89.7"	1525 x 800 x 2280 mm 59 x 31.5 x 89.7"	1800 x 800 x 2280 mm 70.9 x 31.5 x 89.7"
Workspace (W x D x H)	840 x 665 x 550 mm 33 x 26.2 x 21.65"	1140 x 665 x 550 mm 44.9 x 26.2 x 21.65	1440 x 665 x 550 mm 57 x 26.2x 21.65"	1715 x 665 x 550 mm 67.5 x 26.2 x 21.65"
Front Sash Max Opening	450 mm / 17.7"			
Production/ Test Standard	CE / In Accordance with EN12469			
Downflow Velocity	0.45 m/s, 90 FPm			
Inflow velocity	0.5 m/s, 100 fpm			
Airflow pattern	70% circulation, 30% exhaust			
Cleanliness level	Class 100/ISO 5			
Cabinet Material	Welded white polypropylene structure with stainless still 304 worktop			
Noise Level	<52dB	<52dB	<54dB	<60dB
	(Tested 20 cm from worktable, 1.2m above ground)			
Power Supply	115 / 230V, 50/60 Hz, Single phase			
Illumination	800 LUX, Eco-friendly LED lighting			
Filters	HEPA/ULPA			

Polypropylene Biosafety Cabinet Class-B2

TopAir's Class B2 Biological Safety Cabinet, featuring 100% exhaust, protects lab staff, the environment and sensitive work processes in which biological agents are applied.

The cabinet offers a high level of contamination protection, based on two advanced HEPA filters operating at a typical efficiency of 99.9995%@0.3 um.
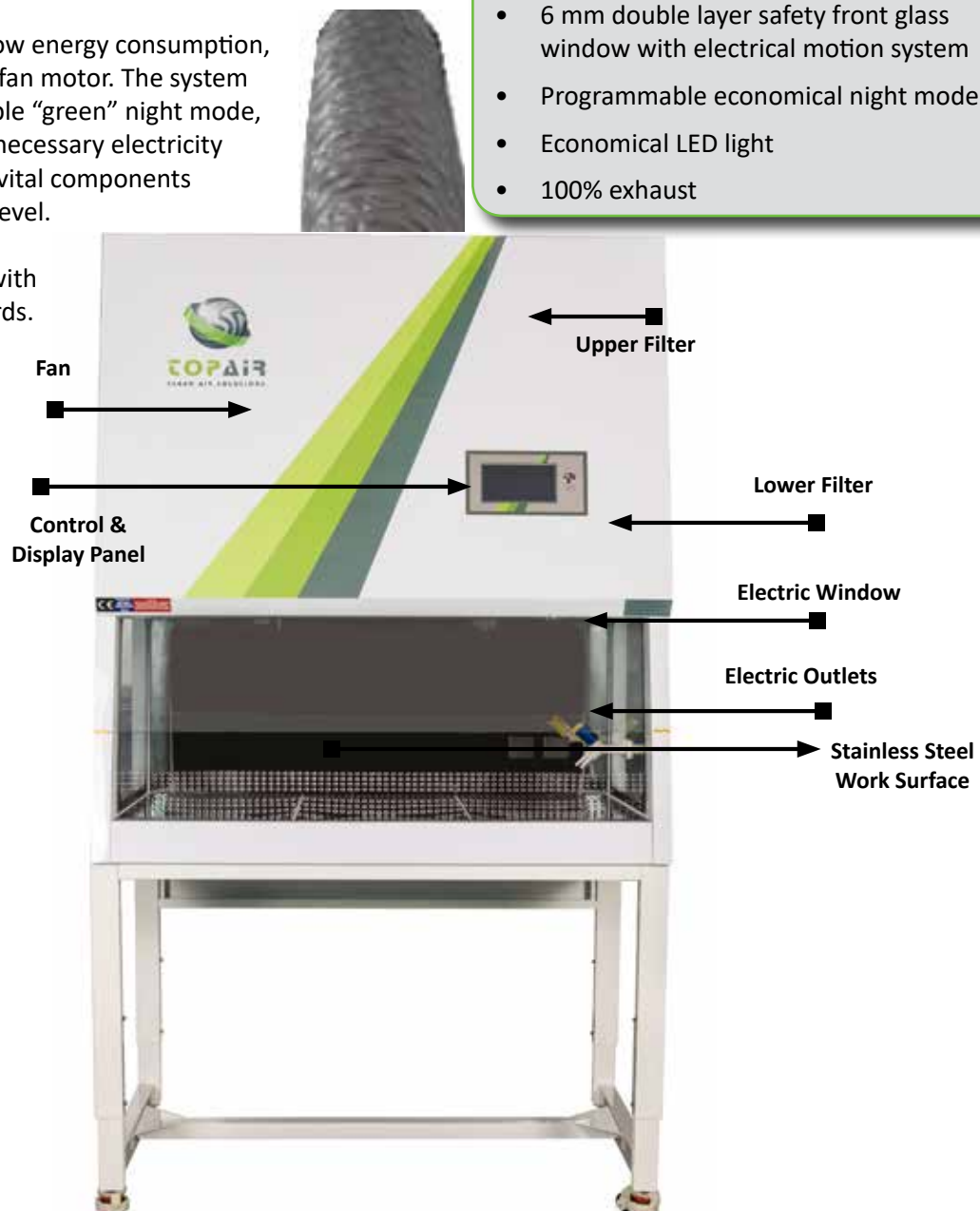
The cabinet's polypropylene structure offers an optimal solution as a solid, easily-cleaned high-resistance material.

The cabinet is equipped with a smart, safe and elegant touch-screen control system that protects the operator and provides alerts for periodic maintenance actions and devices' replacement.

All components have low energy consumption, LED lighting and an EC fan motor. The system also has a programmable "green" night mode, that shuts down all unnecessary electricity consumption and sets vital components at the required safety level.

The cabinet complies with EN 12469 & CE standards.

- Polypropylene structure, tempered glass side walls, 304 stainless steel work surface & spill tray
- Two H14 HEPA filters
- Advanced EC fan with 304 steel housing
- ISO 5/ CLASS 100 cleanliness level according to EN 12469 & CE standards
- Smart touch screen control system
- Technician calibration screen
- Maintenance & technical faults alarms
- Timers and counters management screen
- Germicidal water proof UV light system and safety interlock mechanism
- 6 mm double layer safety front glass window with electrical motion system
- Programmable economical night mode
- Economical LED light
- 100% exhaust

Fan

Control & Display Panel

Upper Filter

Lower Filter

Electric Window

Electric Outlets

Stainless Steel Work Surface

Models

Spec/ Model	BO-090PP-B	BO-120PP-B	BO-150PP-B	BO-180PP-B
Outer Dimensions W x D x H	925 x 800 x 2280 mm 36.4x 31.5 x 89.7"	1225 x 800 x 2280 mm 47.2 x 31.5 x 89.7"	1525 x 800 x 2280 mm 59 x 31.5 x 89.7"	1800 x 800 x 2280 mm 70.9 x 31.5 x 89.7"
Workspace (W x D x H)	840 x 665 x 550 mm 33 x 26.2 x 21.65"	1140 x 665 x 550 mm 44.9 x 26.2 x 21.65	1440 x 665 x 550 mm 57 x 26.2x 21.65"	1715 x 665 x 550 mm 67.5 x 26.2 x 21.65"
Front Sash Max Opening	450 mm / 17.7"			
Production/ Test Standard	CE / In Accordance with EN12469			
Downflow Velocity	0.45 m/s, 90 FPm			
Inflow velocity	0.5 m/s, 100 fpm			
Airflow pattern	100% exhaust			
Cleanliness level	Class 100/ISO 5			
Cabinet Material	Welded white polypropylene structure with stainless still 304 worktop			
Noise Level	<52dB	<52dB	<54dB	<60dB
	(Tested 20 cm from worktable, 1.2m above ground)			
Power Supply	115 / 230V, 50/60 Hz, Single phase			
Illumination	800 LUX, Eco-friendly LED lighting			
Filters	HEPA/ULPA			

* External fan and ducts are available.

Polypropylene Lab Storage Cabinet

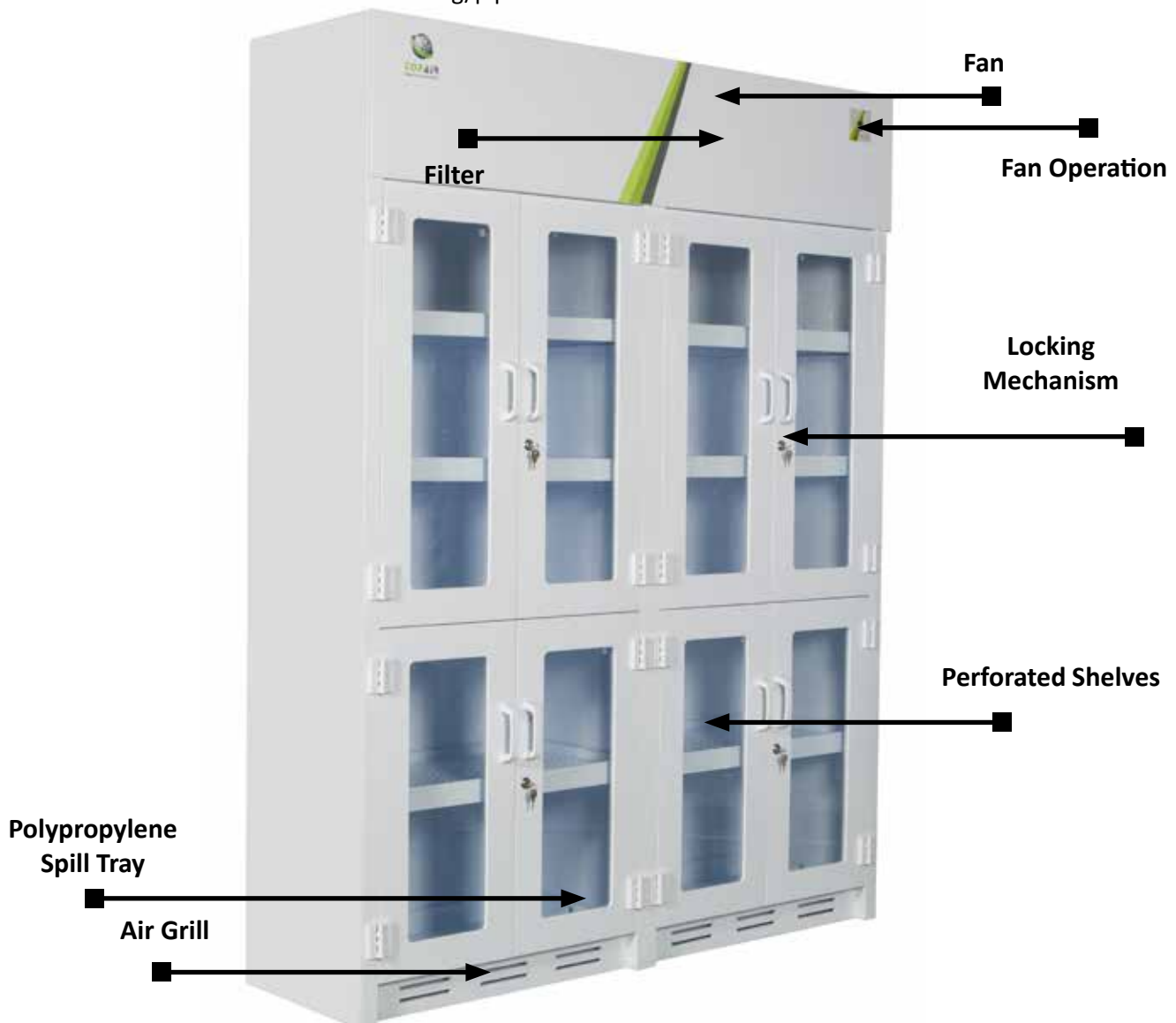TopAir's high quality lab storage cabinet combines an ergonomic design and premium materials.

The cabinet is made of white polypropylene featuring a high level of corrosive resistance.

The cabinet complies with international standards, protecting lab staff from inhaling harmful chemicals and providing convenient solution, and storage for bottles and cans.

Cabinet configuration options
- Lab Storage Cabinet with fuming duct connection - can be connected to an existing fuming system.
- Lab Storage Cabinet with built-in fan & fuming duct connection - an independent unit that channels the airflow outside the building using flexible ducting.
- Lab Storage Cabinet with fan & filter system - an independent unit that provides fuming for the cabinet interior with no need for ducting/pipes

- Polypropylene structure featuring high corrosive resistance
- Four observation windows from hermetically tempered glass
- Four doors with locks
- Ventilation openings at the sides and top of the cabinet
- Three stationary shelves inside the cabinet
- Two compartments
- Optional suction fan

Fan

Filter

Fan Operation

Locking Mechanism

Perforated Shelves

Polypropylene Spill Tray

Air Grill

Models

Spec/Model	LFC-PF-900-PP	LFC-PF-1200-PP	LFC-AFF-900-PP	LFC-AFF-1200-PP	LFC-AFF-1600-PP
Description	Lab storage cabinet with duct fuming connection	Lab storage cabinet with duct fuming connection	Lab storage cabinet with independent fume filtering systems	Lab storage cabinet with independent fume filtering systems	Lab storage cabinet with independent fume filtering systems
External Dimensions (W x D x H)	900 x 450 x 2100 mm 35.43 x 26.97 x 82.7"	1200 x 450 x 2100 mm 47.2 x 26.97 x 82.7"	900 x 450 x 2100 mm 35.43 x 26.97 x 82.7"	1200 x 450 x 2100 mm 47.2 x 26.97 x 82.7"	1600 x 450 x 2100 mm 63 x 26.97 x 82.7"
Cabinet Material	White polypropylene, 6 mm Tempered Glass				
Power Supply			110/220V 50/60 Hz		
Filter			Charcoal Filter / HEPA Filter		

Accessories

LFC-SPT	LFC-FXP-10	LFC-SDT-1010
Polypropylene spill tray	Flexible 10 cm dim pipe	Solid PVC 10x10 cm duct

VAV - Auto Air Velocity Control System

TopAir's advanced VAV system measures the product's air velocity using a high quality sensor, and adjusts the air velocity speed to the relevant standard. The system enables maximal energy savings, by flexibly adjusting the fan speed (high/low) to changing needs. Further savings are enabled in the area of air conditioning, as the airflow from the room is reduced when the fan operates at a lower speed. This also reduces the fume cupboard's noise level.

The system keeps the user updated as to the airflow speed at all times and provides alerts on deviations from the required speed to prevent hazardous situations.

TopAir's VAV System introduces an entirely new concept for intelligent operation of fume cabinets. As a complete solution, all its components are already integrated, configured and programmed - a true plug-and-play system. Rather than separately purchasing a control system, touch screen and frequency inverter, and employing technicians to integrate and install each component, the VAV System offers the customer a full – and much more cost-effective – solution.

The VAV System can be used to renovate an existing fume cabinet, or can be installed in a new fume cabinet. In both cases, it upgrades the fume cabinet into a high-end intelligent system.

The VAV System comprises:
- A touch screen including visual and audio indicators for alerts, as well as a mute button.
- A unit including sensors and power supply for the screen.
- VFD (Variable Frequency Drive) which controls the frequency and voltage supplied to the motor.
- Made in the USA, the VAV System is a highly reliable and user-friendly system for setup and use.

The system can be installed in research labs, healthcare facilities, life science companies, universities, and more.

- Advanced technology made in the USA
- Color touch screen displaying air velocity, alerts and configuration information and offering control functionalities at a click
- High quality frequency inverter
- A variety of HOTWIRE sensor systems which enables changes according to customer requests
- Simple user friendly interface
- Can renovate an existing system
- Cost effective as it includes a high-end frequency inverter
- Frequency inverter maximizes efficiency and prevents motor noises
- Maintenance, consulting and replacement parts are conveniently available from AAC Control brand

Models

Category	VAV-CI-4.3 - NEW	VAV-CI-7
Screen size	4.3"	7"
Function	VAV only	Central operating system for the fume cabinet with VAV
Display range	0 - 2 m/s	0 - 2 m/s
Low alarm range set point	20%	Settable
Output	3 phase 3 x 230v	3 phase 3 x 230v
Analog in	0-10 VDC	0-10 VDC
Input power	200-230 V, 50 hz	200-230 V, 50 hz

Airflow Alarm

The AirFlow Alarm is an advanced system for ductless fume hoods and fume cabinets, which monitors the airflow performance, and provides visual and audio alerts upon deviations.

The system features an elegant glass panel, enhanced with a mute button that can silence the alarm at the customer's convenience. The Airflow Alarm offers two models: One alerts on a low air velocity level only, and the other alerts on both a high and low airflow level.

The Airflow Alarm ensures that ductless fume hoods operate in a safe and fully functional mode, for the operator and staff.

- Advanced technology made in the USA
- Elegant glass panel
- Simple user friendly interface
- Choice of 2 models
- Maintenance, consulting and replacement parts are conveniently available from AAC Control brand

Specifications

Part	Catalog No.
Accuracy	+ 0.07 m/s
Visual display	Green and red LEDs
Alarm indications	LED and audible alarm
Input power	230/115 VAC, 50/60hz
Mounting	Semi flush

Models

Part	Catalog No.
Advanced system providing alerts on low/high-level airflow in the fume hood.	VA-AFA-LH-CI
Basic system providing alerts on low-level airflow in the fume hood.	VA-AFA-L-CI

Filter Alarm

The Filter Alarm is a sophisticated security system for ductless fume hoods, providing alerts when the filter is not properly functioning. The Filter Alarm features an advanced sensor that samples the air above the filter and checks the chemical gas concentration level. When the level crosses a pre-defined safety threshold, which is undetectable without the system, an alert is issued.

The system also alerts when the filter needs to be replaced or when it is clogged.

The system can check a variety of materials. With its advanced technology and high reliability, the system offers lab staff and operators total safety.

- Advanced technology made in the USA
- Elegant glass panel
- Simple user friendly interface
- Maintenance, consulting and replacement parts are conveniently available from AAC Control brand

Specifications

Part	Catalog No.
Max Sensitivity	50 ppm
Visual display	Green and red LEDs
Alarm indications	LED and audible alarm
Input power	230/115 VAC, 50/60 hz
Mounting	Semi flush

Models

Part	Catalog No.
Filter alarm for duct-less fume hoods	VA-FLA-CI

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Outdoor Centrifugal Fans

NEW!

Outdoor Centrifugal Fans

TopAir Systems offers high-quality outdoor centrifugal fans.

The roof/side wall fans are weather resistant, based on a PVC structure and polypropylene impeller.

A 3-phase motor with water protection level of IP 44/55 operates at 380 VAC.

TopAir's variety of sizes, flows and accessories allows choosing the exact fan suitable for the client's needs.

Models

Fan Model	RPM	Pressure (PA)	M3/H	Power	Structure	Impeller	Power Supply	Water Resistance	Sound Level	Weight
FH-FAN-1.5	1450	510	1739	1.5.KW	PVC	PP Dia 400 mm W-155 mm	3 Phase 380V	IP 44/65	70 dBA	28 kg
		500	1911							
		490	2126							
		470	2315							
		440	2513							
		420	2703							
		380	2895							
		340	3085							
		300	3285							

Fan Model	RPM	Pressure (PA)	M3/H	Power	Structure	Impeller	Power Supply	Water Resistance	Sound Level	Weight
FH-FAN-2.2	1450	510	2000	2.2.KW	PVC	PP Dia 480 mm W-200 mm	3 Phase 380V	IP 44/65	70 dBA	34 kg
		500	2200							
		490	2400							
		470	2600							
		440	2800							
		420	3000							
		380	3200							
		340	3400							
		300	3600							

Fan Accessories

P/N	FH-M-DAM	FH-EXM	FH-WRACK
Description	Fan Manual Damper	Explosion Proof Fan Motor	Metal Fan Wall Rack

Electromechanical Motor for Fans

The three-phase asynchronous motor is a basic motor with a frame range of 80-315.

The motor features high efficiency, power savings, exceptional operation performance, low vibration levels, low noise levels, long service life, high reliability, convenient maintenance and large breakaway torque. Fixing measurements and power grade comply with IEC standard.

- Rated voltage: 380V/660V or custom voltage
- Rated frequency: 50Hz or 60Hz
- Connection: Star connection for 3Kw or less, delta connection for 4KW or more
- Duty/rating: Continuous ($1)
- Insulation class: B class
- Protection class: IP44
- Cooling method: IC411 (cooled by self fan)
- **Operating conditions:**
  - Ambient temperature: -15°C to 40°C
  - Altitude: Up to 1000 meters above sea level
  - Relative humidity: lower than 90%

Models

Type	Power Rated	Amps A	Speed r/min	EFF η (%)	Power Factor $\cos \varnothing$	Tst/Tn	Ist/In	Mst/Tn	Noise
Y-90L-4	1.5	3.72	1400	78.5	0.78	2.3	6.0	2.3	61
Y-100L1-4	2.2	5.09	1420	80	0.51	2.3	7.0	2.3	64
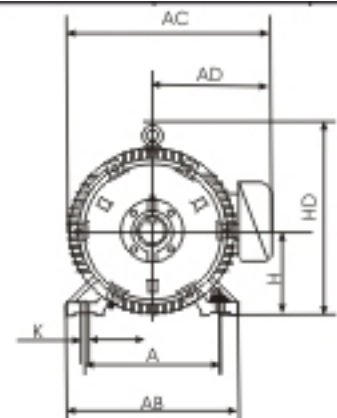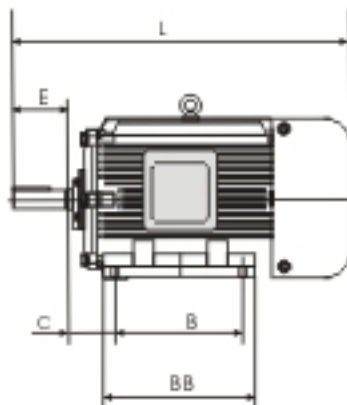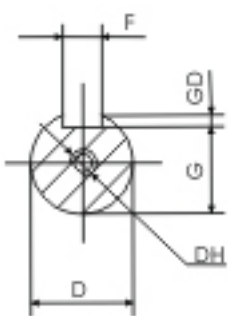
Aluminum Cyanoacrylate Fuming Chamber

TopAir's Cyanoacrylate Fuming Chamber is used to develop latent prints from non-porous surfaces in a safe, controlled environment.

Cyanoacrylate is placed inside the chamber while evidence is easily positioned using the adjustable hanging rods. Starting the cycle triggers the automatic system to control the hotplate, humidity, door lock, internal circulation fan and purge cycle.

Its recirculatory design enables the system to operate and setup with no ducting required.

The Cyanoacrylate vapors are filtered by a carbon filter. This ensures that no dangerous substances are exhausted in to the atmosphere surrounding the laboratory. Its ductless construction also allows the unit to be easily moved and transported.

- Three sizes - from small benchtop units to larger walk-in chambers.
- Control system displays all parameters of the processing cycle. Adjustments to the presets can quickly be performed.
- Can be activated automatically, or manually with an option for temperature and humidity control.
- Filtering system with a carbon filter.
- Eco-friendly, cost-saving LED lighting.

Models

Spec/Model	SG-060	SG-075	SG-090	SG-150
Airflow (m3/hr)	175	250	250	250
Dimensions WxDxH	600 x 600 x 760 mm 23.6 x 23.6 x 29.9"	750 x 740 x 1550 mm 29.5 x 29.1 x 61"	1020 x 750 x 1550 mm 40.1 x 29.5 x 61"	1500 x 750 x 1550 mm 59 x 29.5 x 61"
Noise	<48 dBA	<48 dBA	<48 dBA	<48 dBA
Lighting	LED 18 W	LED 18 W	LED 18 W	LED 18 W
Main Filter (Qty.)	3 kg	5 kg	5 kg	8 kg
Prefilter (Qty.)	1	1	1	1
Power Supply	115 / 230V 50/60 Hz, Single phase			
Switches	Main ON/OFF			
Monitoring	Electronic Display			
Fan	Low Noise Centrifugal			
Construction	Aluminum Frame Structure, Safety Triplex Glass			
Production/Test Standard	CE			

Programmable Electronic Control

The electronic control system includes easy on-screen functions to program the Purge Cycle, Contact Time and RH Sensor.

Filter Type	P/N
Main Filter	SG-CF
Pre Filter	SG-PF

Main and Pre Filters are supplied as standard with all chambers and are listed here for replacement purposes.

* Prefilters are supplied as standard with all units. Efficiencies are over 99.6%. The filters remove particles from the airstream before it flows through the Main Filter.
** Filters must be changed on a regular basis to maintain chamber efficiency.

Operation Process
-Evidence is placed within the chamber and cyanoacrylate is placed on the hotplate
-Door is closed and start button is pressed. Door locks automatically
-Evidence is placed within the chamber
Humidifier is activated, increases humidity and releases vapors composed of 60%-80% humidity and fumes into the chamber
-Fuming continues for a half-hour cycle
-Once the cycle has completed, the evidence can be examined

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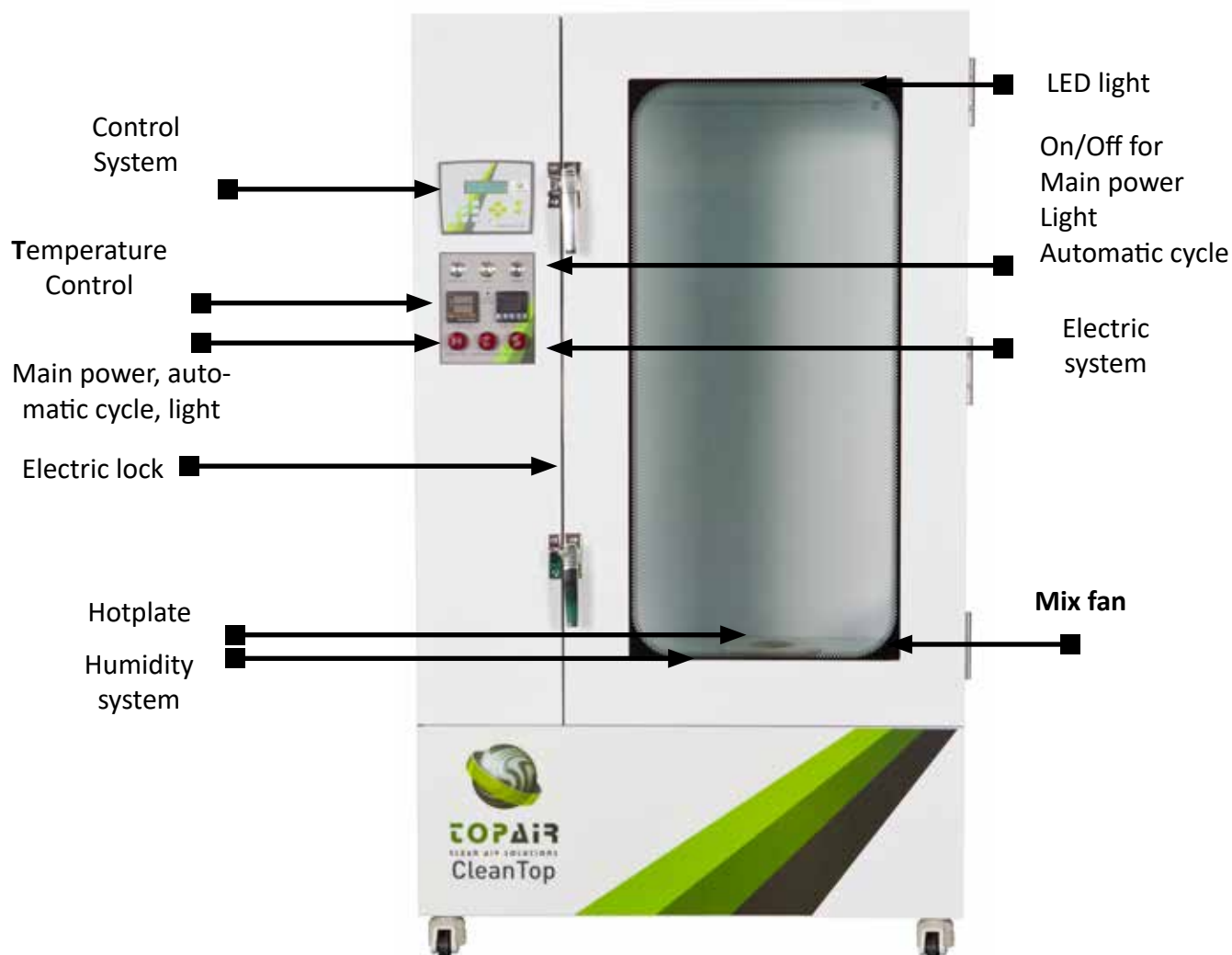
Polypropylene Cyanoacrylate Fuming Chamber

TopAir's Cyanoacrylate Fuming Chamber is used to develop latent prints from non-porous surfaces in a safe, controlled environment.

Cyanoacrylate is placed inside the chamber while evidence is easily positioned using the adjustable hanging rods. Starting the cycle triggers the automated system to control the hotplate, humidity, door lock, internal circulation fan and purge cycle.

Its recirculatory design enables the system to operate and setup with no ducting required.

The cyanoacrylate vapors are filtered by a carbon filter. This ensures that no dangerous substances are exhausted in to the atmosphere surrounding the laboratory. Its ductless construction also allows the unit to be easily moved and transported.

- 3 sizes - from small benchtop units to larger walk-in chambers.
- Control System displaying all parameters of the processing cycle.
- Can be activated automatically, or manually with an option for temperature and humidity control.
- Filtering system with a carbon filter.
- Eco-friendly, cost-saving LED lighting.
- Alarm for end of automatic cycle
- Audio-Visual 30-second alarm.
- CE tested

Control System

Temperature Control

Main power, automatic cycle, light

Electric lock

Hotplate

Humidity system

LED light

On/Off for Main power Light Automatic cycle

Electric system

Mix fan

Models

Spec/Model	SG-060-P	SG-075-P	SG-090-P	SG-150-P
Airflow (m3/hr)	175	250	250	250
Dimensions WxDxH	600 x 600 x 760 mm 23.6 x 23.6 x 29.9"	750 x 740 x 1550 mm 29.5 x 29.5 x 61"	900 x 750 x 1550 mm 35.4 x 29.5 x 61"	1500 x 750 x 1550 mm 59 x 29.5 x 61"
Noise	<48 dBA	<48 dBA	<48 dBA	<48 dBA
Lighting	LED 18 W	LED 18 W	LED 18 W	LED 18 W
Main Filter (Qty.)	3 kg	5 kg	5 kg	8 kg
Prefilter (Qty.)	1	1	1	1
Power Supply	115 / 230V 50/60 Hz, Single phase			
Switches	Main ON/OFF			
Monitoring	Electronic Display			
Fan	Low Noise Centrifugal			
Construction	Polypropylene Structure, Safety Triplex Glass			
Production/Test Standard	CE			

Programmable Electronic Control

The electronic control system includes easy on-screen functions to program Purge Cycle, Contact Time and RH Sensor.

Filter Type	P/N
Main Filter	SG-CF
Pre Filter	SG-PF

Main and Pre Filters are supplied as standard with all chambers and are listed here for replacement purposes.
* Prefilters are supplied as standard with all units. Efficiencies are over 99.6%. The filters remove particles from the airstream before it flows through the Main Filter.
** Filters must be changed on a regular basis to maintain chamber efficiency.

Operation Process

-Evidence is placed within the chamber and cyanoacrylate is placed on the hotplate
-Door is closed and start button is pressed. Door locks automatically
-Evidence is placed within the chamber
Humidifier is activated, increases humidity and releases vapors composed of 60%-80% humidity and fumes into the chamber
-Fuming continues for a half-hour cycle
-Once the cycle has completed, the evidence can be examined

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Water Filtration Cyanoacrylate Fuming Chamber

TopAir's Water Filtration Cyanoacrylate Fuming Chamber is used to develop latent prints from non-porous surfaces in a safe, controlled environment.
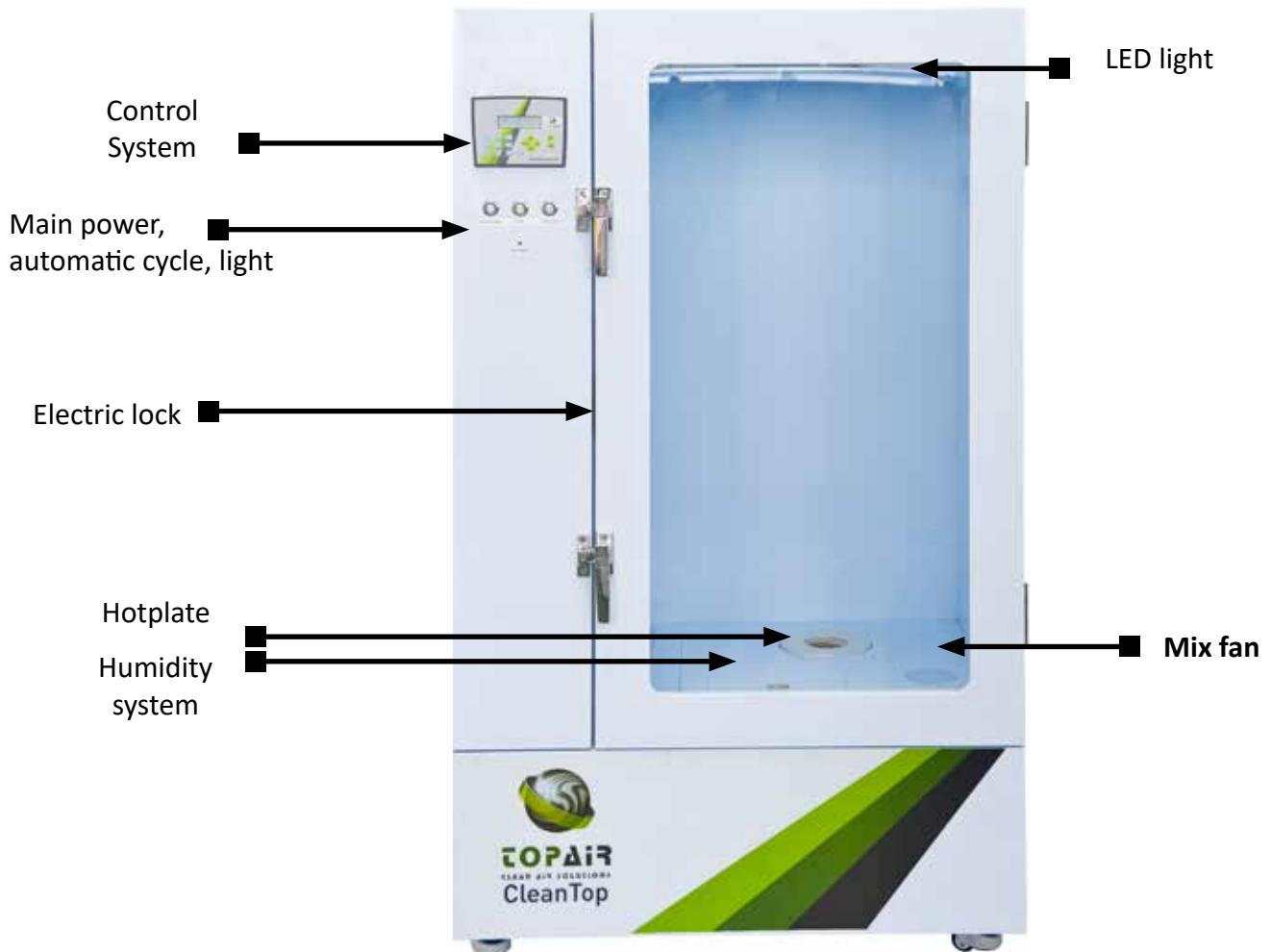
Cyanoacrylate is placed inside the chamber while evidence is easily positioned using the adjustable hanging rods. Starting the cycle triggers the automated system to control the hotplate, humidity, door lock, internal circulation fan, and purge cycle.

The Cyanoacrylate vapors are filtered using water filtration. This ensures that no dangerous substances are exhausted in to the atmosphere surrounding the laboratory.

The reaction of the fumes of cyanoacrylate to water causes the fumes turn into to non-hazardous plastic residue.

NEW!

- Control system displaying all parameters of the processing cycle.
- Automatic heating control is determined according to the amount of cyanoacrylate placed in the chamber.
- Automatic temperature control Humidity control ensures ± 3% humidity
- Water Filtration
- Eco-friendly, cost-saving LED lighting.
- CE tested

The filtration tank is equipped with a draining tap and a built-in washing/ refilling pipe. Removal of the filtration tank is not required for washing and refilling. The unit's recirculatory design enables the system to operate and setup with no ducting required. Its ductless construction also allows the unit to be easily moved and transported.

Control System

Main power, automatic cycle, light

Electric lock

Hotplate

Humidity system

LED light

Mix fan

Models CUSTOM SIZES AVAILABLE!

Spec/Model	SG-060-WF	SG-080-WF	SG-090-WF	SG-150-WF	SG-180-WF
Airflow (m3/hr)	175	250	250	250	250
Dimensions WxDxH	600 x 600 x 760 mm 23.6 x 23.6 x 29.9"	800 x 740 x 1550 mm 31.5 x 29.5 x 61"	900 x 750 x 1550 mm 35.4 x 29.5 x 61"	1500 x 750 x 1550 mm 59 x 29.5 x 61"	1800 x 750 x 1400 mm 70.8 x 29.5 x 55"
Noise	<48 dBA	<48 dBA	<48 dBA	<48 dBA	<48 dBA
Lighting	LED 18 W	LED 18 W	LED 18 W	LED 18 W	LED 18 W
Main Filter (Qty.)	Water Trap	Water Trap	Water Trap	Water Trap	Water Trap
Temp & Humidity Accuracy	± 3%	± 3%	± 3%	± 3%	± 3%
Temperature	± 2°C	± 2°C	± 2°C	± 2°C	± 2°C
Fan	High Pressure				--
Power Supply	115 / 230V 50/60 Hz, Single phase				
Switches	Main ON/OFF				
Monitoring	Electronic Display				
Construction	Polypropylene Structure, Safety Triplex Glass				
Production/Test Standard	CE				

Forensic Evidence Drying Cabinet

TopAir's advanced Forensic Evidence Drying Cabinet protects wet or damp evidence from detrimental factors such as potential cross contamination and airborne pathogens.

The cabinet also creates an effective shield for staff, preventing the operators from being exposed to harmful blood-borne pathogens and harmful bacteria or viruses.

The unit's UV light performs additional disinfection of the cabinet's interior between sessions. This prevents cross contamination and ensures the integrity of samples for the purpose of DNA testing.

The unit is designed to clean the incoming air streams through pre-filtration and then filter the cabinet exhaust air using HEPA filtration.

TopAir can customize the ductless evidence drying cabinets to meet customer requirements.

- Polypropylene components & clear triplex safety glass
- Polypropylene internal &external cover
- Double location HEPA filter – supply and exhaust.
- Internal RH and temperature display
- Top quality purge fan
- UV sterilization + safety interlock mechanism
- Bottom draining basin with tap

Models

Model	EV-090	EV-120	EV-180
External Dimension WxDxH	900 x 1240 x 850 mm 35.4 x 48.8 x 33.4"	1200 x 1240 x 850 mm 47.2 x 48.8 x 33.4"	1800 x 1240 x 850 mm 70.8 x 48.8 x 33.4"
Internal Dimension WxDxH	850 x 1000 x 600 mm 33.4 x 39.3 x 23.6"	1150 x 1000 x 600 mm 45.2 x 39.3 x 23.6"	1750 x 1000 x 600 mm 68.9 x 39.3 x 23.6"
Inner Capacity (L)	510	690	1050
Weight	90	105	135
Power Consumption	100w	100w	100w
Super Dry System	N/A	N/A	N/A

Model	EV-090-SD	EV-120-SD	EV-180-SD
External Dimension WxDxH	900 x 1240 x 850 mm 35.4 x 48.8 x 33.4"	1200 x 1240 x 850 mm 47.2 x 48.8 x 33.4"	1800*1240*850 mm 70.8 x 48.8 x 33.4"
Internal Dimension WxDxH	850 x 1000 x 600 mm 33.4 x 39.3 x 23.6"	1150 x 1000 x 600 mm 45.2 x 39.3 x 23.6"	1750 x 1000 x 600 mm 68.9 x 39.3 x 23.6"
Inner Capacity (L)	510	690	1050
Weight	98	113	143
Power Consumption	900w	900w	900w
Super Dry System	Yes	Yes	Yes

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Downflow Unit

TopAir's Downflow Workstation is a standalone, ductless unit that protects lab staff from harmful powders or fumes.

The Downflow Workstation features an open structure which enables close inspection of various lab materials, and still provides a high level of protection.

Particles or fumes flow downward through the stainless steel work surface and contaminants are removed using several filters.

Following the filtering of fumes or particulates, clean air flows back into the room.

- Electrical - 110/220v, 60/50hz
- Light - 18w LED
- Worktop - 304 SUS
- Structure - Polypropylene
- Filters - H14 HEPA/ carbon
- Fans - Top quality, quiet fan manufactured by EBM Germany, 310 centrifugal
- Alarm - High pressure (filter block)
- Three available sizes
- Welded white polypropylene structure
- Easily dissembled back wall
- Eco-friendly, cost-effective 600-800 LUX LED lighting
- Easy filter replacement
- User-friendly digital control system including fan speed control

Models

Model	DF-60	DF-90	DF-120
External Dimensions WxDxH	60 x 70 x 120 cm 23.6 x 27.5 x 47.2"	90 x 70 x 120 cm 35 x 27.5 x 47.2"	120 x 70 x 120 cm 47.2 x 27.5 x 47.2"
Internal Height	70 cm / 27.5"	70 cm / 27.5"	70 cm / 27.5"
Power Supply	115 / 230V 50/60 Hz, Single phase	115 / 230V 50/60 Hz, Single phase	115 / 230V 50/60 Hz, Single phase
Light	18w LED	18w LED	18w LED
Worktop	304 SUS	304 SUS	304 SUS
Structure	Polypropylene	Polypropylene	Polypropylene
Filters	H14 HEPA/carbon	H14 HEPA/carbon	H14 HEPA/carbon
Fans	EBM 310 centrifugal	EBM 310 centrifugal	EBM 310 centrifugal
Stainless Steel Shelves	2 pcs loading 100kg/ shelf	2 pcs loading 100kg/ shelf	2 pcs loading 100kg/ shelf

ECOLINE
Ductless
Fume Hood

- Light, economical benchtop polypropylene ductless fume hood
- User-friendly semi-touch control system with 6-degree fan speed
- LED light
- Powerful EBM fan
- Variety of filters
- External dimensions - 750*500*810 mm
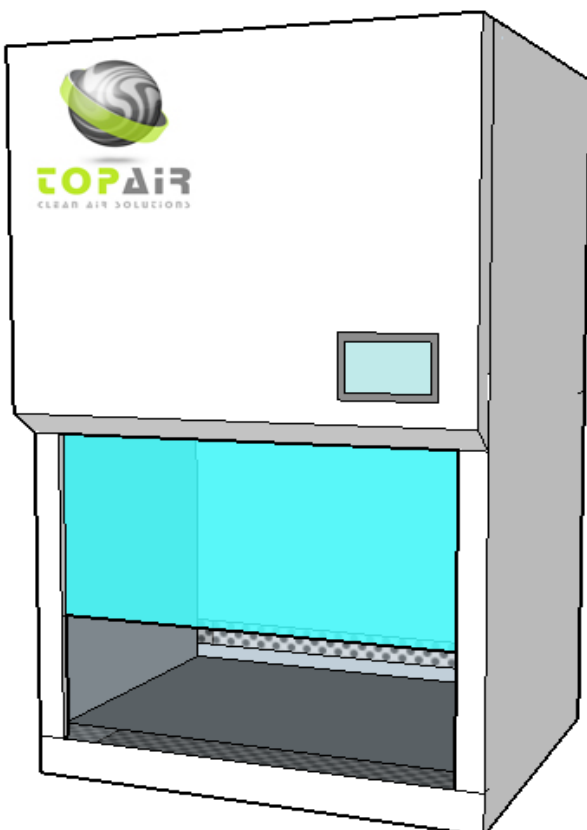
ECOLINE
Downflow
Cabinet

- Light, economical benchtop polypropylene downflow station
- Operation panel with filter alarm.
- Powerful EBM fan
- Variety of filters
- Stainless steel perforated worktop
- External dimensions - 610*460*660 mm
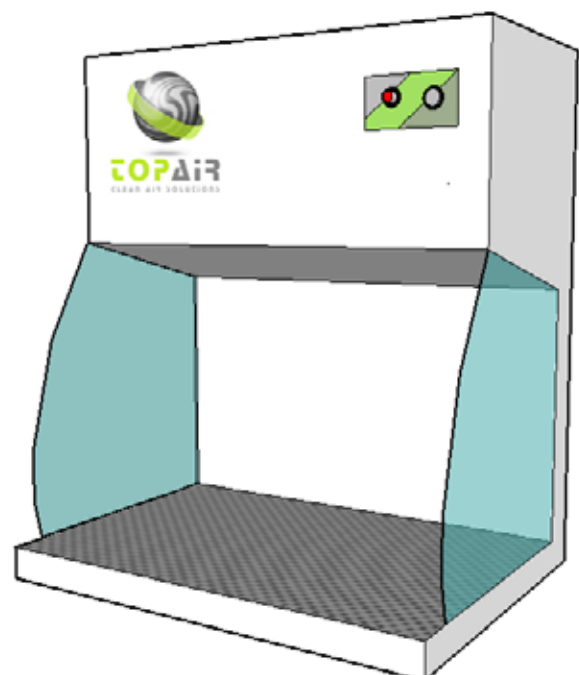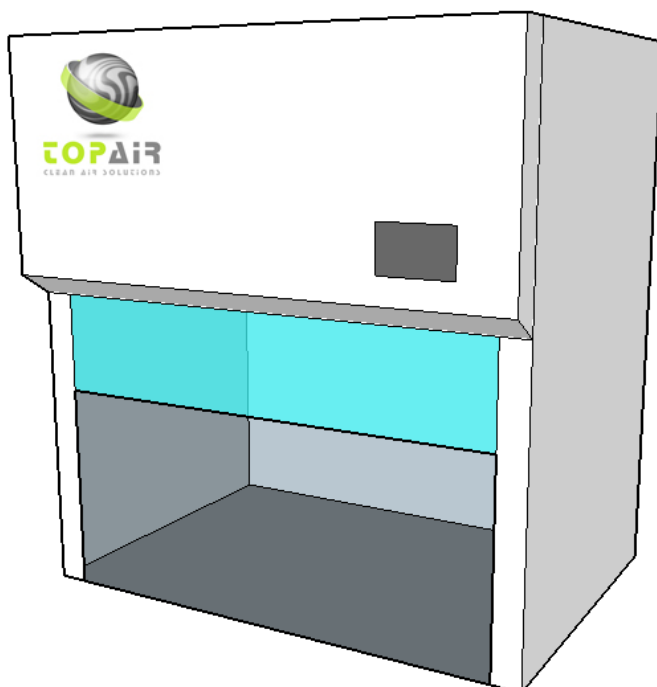
ECOLINE
Biological Safety Cabinet Class II A2

- Light, economical benchtop polypropylene A2 type biosafety cabinet
- Semi touch screen control panel + colorful LCD touch screen
- Powerful EBM fan
- H14 HEPA filters
- Stainless steel worktop
- External dimensions -700*660*1200 mm

OUR NEW ECOLINE SERIES: LIGHT, ECONOMICAL PRODUCTS FOR YOUR FACILITY!

TOPAIR CLEAN AIR SOLUTIONS
CATALOG

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Email: sales@topairsystems.com

Tel : +1-855-6-TOPAIR (+1-855-686-7247) Fax: +1-718-263-7304
Email: sales@topairsystems.com Web: www.topairsystems.com

Mailing Address: TopAir Systems, Inc., P.O.Box 754338, Forest Hills, NY 11375 USA
Headquarters - USA: 8912 68th Avenue Forest Hills New York 11375   USA
European Sales Office: Evolution Testing & Analytical Services (UK) Ltd., Elstree House, Elstree Way, Borehamwood, Herts WD6 1SD, UK, Tel:+44-203-1374012, Email: sales@topairsystems.com