TOPAIR SYSTEMS

FORENSIC
PRODUCT LINE

TOPAIR SYSTEMS

Ninhydrin and DFO Chamber

The Ninhydrin, DFO and Indandione Chamber Cabinet by TopAir Systems accelerates latent fingerprint development on absorbent surfaces. It employs DFO, Ninhydrin, and other agents in a controlled environment to optimize efficacy by managing moisture, temperature (80°C for Ninhydrin, 100°C for DFO and Indandione in dry conditions), and duration.

Operated via proprietary software, the chamber cabinet enables autonomous cycle initiation, parameter setting, and result retrieval. It features an intuitive touchscreen for easy programming of temperature, humidity, and operation time, with status notifications for user convenience.

Constructed from high-quality metal with comprehensive insulation, a high-performance heating mechanism, humidity generator, and stainless steel interior, it ensures durability and efficient operation, including a double-glazed window for enhanced insulation and temperature stability.

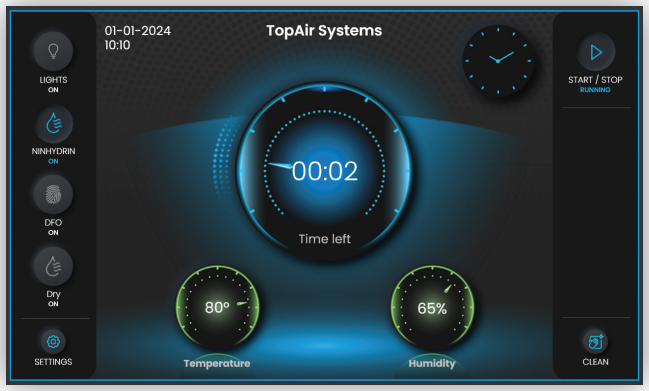
Ninhydrin and DFO combination cabinet.

Ninhydrin development enabled at 80 degrees Celsius and 65% humidity.

DFO and Indandione development enabled at 100 degrees Celsius in dry conditions

Dedicated software with intuitive touchscreen interface.

Interior surface drying system.



Ninhydrin and DFO Chamber

Key Features:

- Intuitive smart touchscreen
- Temperature and humidity monitoring
- Precise temperature and humidity control
- Timer countdown with alerts and reminders when a cycle is ready or finished
- Three perforated, removable shelves
- Hanging clips for added convenience
- Interior surface drying system
- LED lighting for enhanced visibility
- Viewing window on the humidity cabinet for monitoring water levels
- External water filling port

Spec/Model	ND-080
External Dimensions W x D x H Internal Dimensions W x D x H	730 x 600 x 1450 mm 28.7 x 23.6 x 57" 600 x 450 x 550 mm 23.6 x 17.7 x 21.6"
llumination	2500 Lux / 100c Heating Protected
Power Supply	230V 50/60 Hz
Control System	The standard control system is A 7" color display with on/off controls
Display	Electronic Display
Structure	Epoxy Coated Metal Structure with Stainless Steel Interior
Production / Test Standard	CE

Ecoline Cyanoacrylate Fuming Chamber

Top Air's Ecoline Cyanoacrylate Fuming Chamber is an innovative, compact and flexible fingerprint-developing system for non-porous surfaces in a safe, controlled environment.
The unit is built from a non-corrosive and highly chemical resistant polypropylene structure for increase durability.

A transparent front door and internal LED lighting enables a high level of comfort.

Cyanoacrylate is placed inside the chamber and the evidence is easily positioned.

The unit is manually activated and includes a 120c preset hotplate and a manually controlled humidifier.

The standard main unit is designed to be connected to an external exhaust system.

The unit includes an integrated carbon filtration system

- Analog control panel
- Filtering system with a carbon filter + pre filter
- Eco-friendly, cost-saving LED lighting
- CE certified

CYANOACRYLATE CHAMBER

Spec/Model	SG-ECO-60-P	SG-ECO-90-P
Dimensions WxDxH	600 X 500 X 500 mm 23.6 X 19.6 X 19.6”	900 X 500 X 500 mm 35.4 X 19.6 X 19.6”
Illumination	LED 18 W	LED 18 W
Power Supply	115 / 230V 50/60 Hz, Single phase	115 / 230V 50/60 Hz, Single phase
Control System	The standard control system is A 7” color display with on/off controls	
Display	Temperature / Humidity	Temperature / Humidity
Structure	Polypropylene structure, safety Triplex glass	Polypropylene structure, safety Triplex glass
Humidifier	External adjustable ultrasonic	External adjustable ultrasonic
Hotplate	Preset 120 c	Preset 120 c

Cyanoacrylate Fuming Chamber

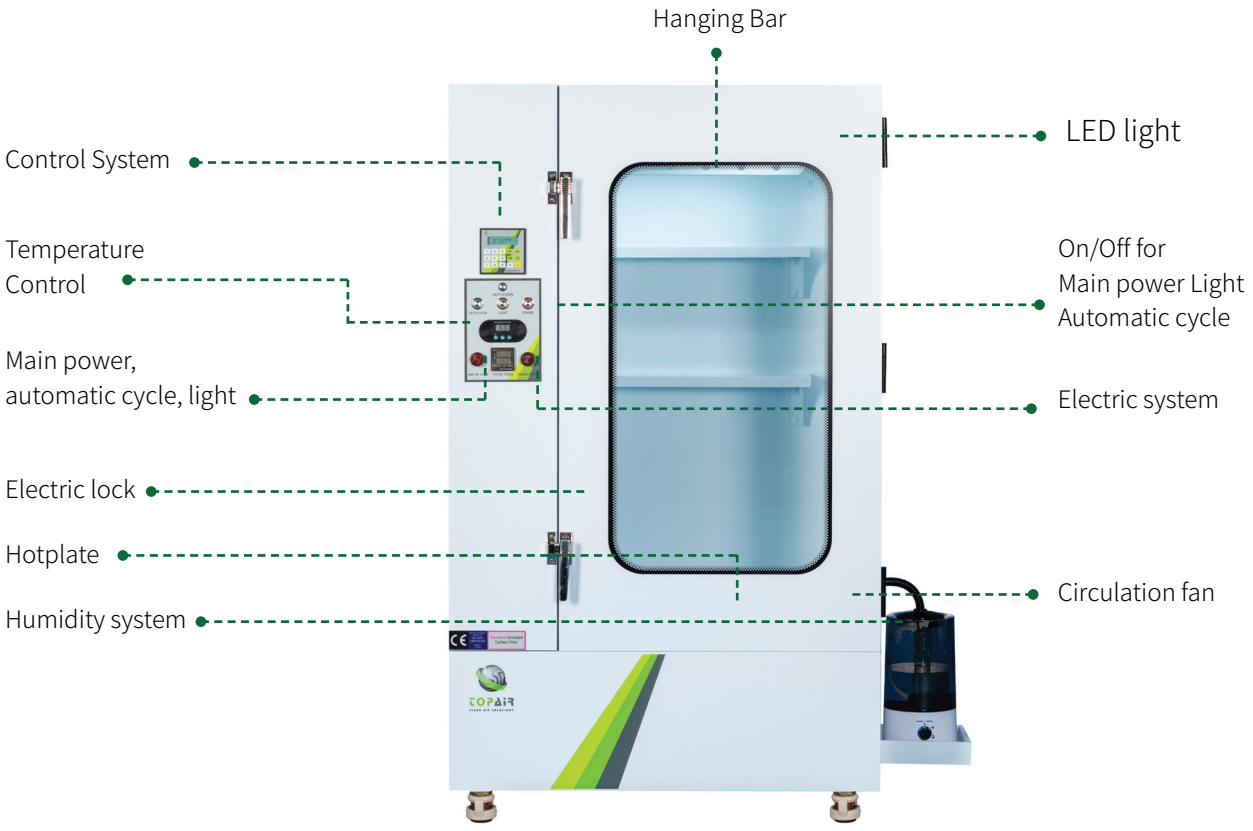
TopAir's Cyanoacrylate Fuming Chamber is used to develop latent prints from non-porous surfaces in a safe, controlled environment.

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, level, door lock, internal circulation fan and purge cycle.

It's 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.

- Control System displays all parameters of the processing cycle
- 3 built-in programs in the control system + an open program for user programming
- Can be activated automatically, or manually with an option for temperature and humidity control.
- Filtering system with a carbon filter + pre filter
- Eco-friendly, cost-saving LED lighting
- Alarm for end of automatic cycle
- Audio-Visual 10-second alarm
- CE certified
- Optional - chemical sensor for safety quality enhancement



Models - Cyanoacrylate Fuming Chamber

Spec/Model	SG-075-P	SG-090-P	SG-120-P	SG-150-P	SG-180-P
External Dimensions W x D x H	760*710*1270mm 30*28*50''	910*710*1270mm 36*28*50''	1220*710*1270mm 48*28*50''	1520*710*1270mm 60*28*50''	1830*710*1270mm 72*28*50''
Noise*	<48 dBA	<48 dBA	<48 dBA	<48 dBA	<48 dBA
Illumination	LED 18 W	LED 18 W	LED 18 W	LED 18 W	LED 18 W
Main Filter (Qty.)	5 kg	5 kg	7 kg	8 kg	8 kg
Prefilter (Qty.)	1	1	1	1	1
Power Supply	115 / 230V 50/60 Hz, Single phase				
Switches	Main ON/OFF				
Monitoring	Electronic Display				
Fan	Low Noise Centrifugal				
Structure	Polypropylene Structure, Safety Triplex Glass				
Production/Test Standard	CE				

* Tested 20 cm from the work table, 1.2m above ground

Optional: for elevated height size -75" add **T** to the end of the C/N

Programmable Electronic Control

The electronic control system includes easy on-screen functions to program heating, humidity control, Purging, and RH Sensor calibration.
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. Efficieney is are over 90%. 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

- The evidence is placed within the chamber and cyanoacrylate is placed on the hotplate.
- The door is closed and the start button is pushed. The door locks automatically.
- The humidifier is activated, increases humidity to 60%-80% and the hot plate generates vapors evaporation into the chamber.
- The purging continues for a 20-30 minute cycle.
- Once the cycle has completed, the evidence can be examined.

Water Filtration
Cyanoacrylate Fuming Chamber

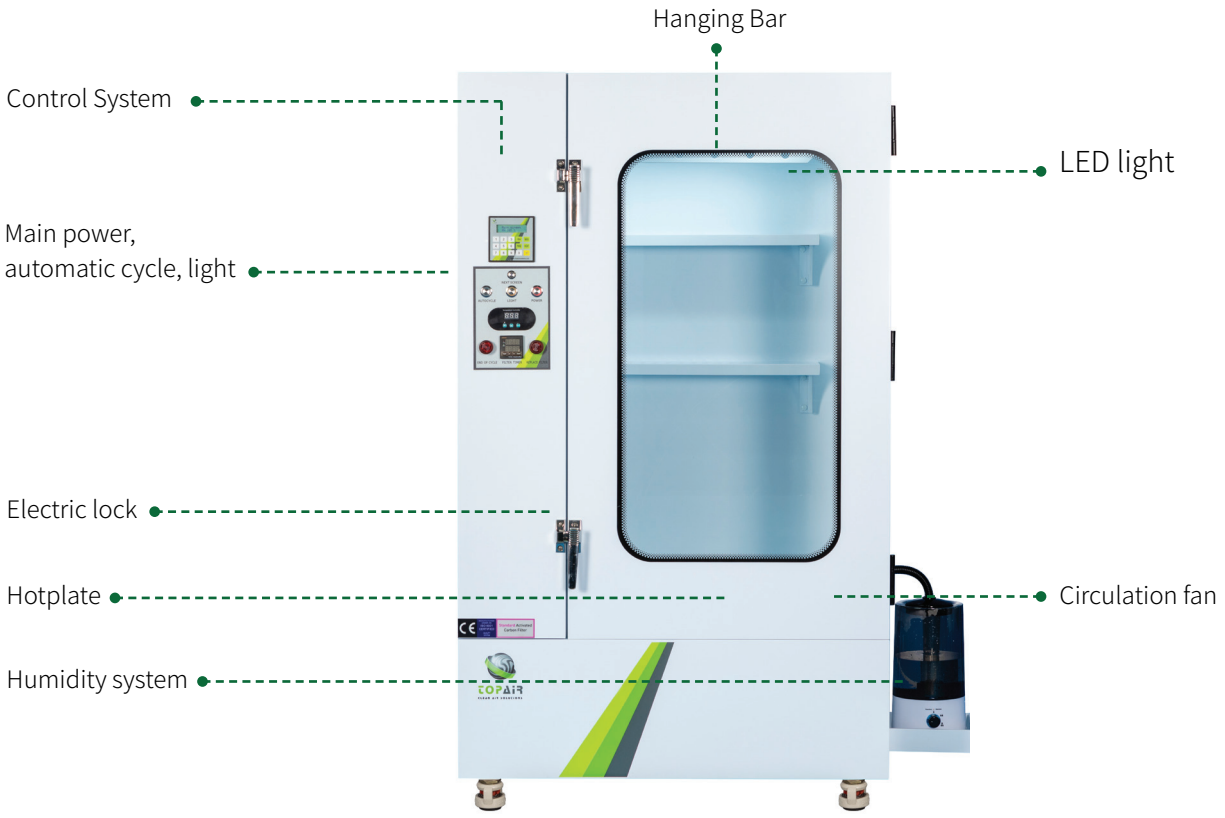
TopAir's Cyanoacrylate Fuming Chamber is used to develop latent prints from non-porous surfaces in a safe, controlled environment.

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 level, 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 water. This ensures that no dangerous substances are exhausted into the atmosphere surrounding the laboratory. Its ductless construction also allows the unit to be easily moved and transported.

- Control System dispalys all parameters of the processing cycle
- 3 built-in programs in the control system + an open program for user programming
- Can be activated automatically, or manually with an option for temperature and humidity control.
- Contaminated air purged through water filtration system
- Eco-friendly, cost-saving LED lighting
- Alarm for end of automatic cycle
- Audio-Visual 30-second alarm
- CE certified
- Optional - chemical sensor for safety quality enhancement



Models - Water Filtration Cyanoacrylate Fuming Chamber

Spec/Model	SG-075-WF	SG-090-WF	SG-120-WF	SG-150-WF	SG-180-WF
External Dimensions W x D x H	760*710*1270mm 30*28*50''	910*710*1270mm 36*28*50''	1220*710*1270mm 48*28*50''	1520*710*1270mm 60*28*50''	1830*710*1270mm 72*28*50''
Noise*	<53 dBA	<53 dBA	<53 dBA	<53dBA	<53 dBA
Illumination	LED 18 W	LED 18 W	LED 18 W	LED 18 W	LED 18 W
Power Supply	115 / 230V 50/60 Hz, Single phase				
Switches	Main ON/OFF				
Monitoring	Electronic Display				
Fan	Low Noise Centrifugal				
Structure	Polypropylene Structure, Safety Triplex Glass				
Production/Test Standard	CE				

* Tested 20 cm from the work table, 1.2m above ground

Optional: for elevated height size -75" add **T** to the end of the C/N

Programmable Electronic Control

The electronic control system includes easy on-screen functions to program heating, humidity control, Purging, and RH Sensor calibration.
*An advanced unique water filtration process that replaces the old conservative carbon filter system

Operation Process

- The evidence is placed within the chamber and cyanoacrylate is placed on the hotplate.
- The door is closed and the start button is pushed. The door locks automatically.
- The humidifier is activated, increases humidity to 60%-80% and the hot plate generates vapors evaporation into the chamber.
- The purging continues for a 10-20 minute cycle.
- Once the cycle has completed, the evidence can be examined.

Quad Cyanoacrylate Fuming Chamber

The Quad Cyanoacrylate Fuming Chamber is a space-efficient solution comprising four modular units that can be stacked or used individually, accommodating diverse laboratory setups and spatial constraints.

Each chamber is designed for carbon and water filtration, ensuring precise air quality control crucial for forensic and specialized environments. This versatility allows seamless integration into any lab's workflow, tailored to specific requirements for optimal performance and reliability.

Built upon bespoke requests, these chambers are engineered to enhance efficiency and maintain stringent standards. Whether employed independently or stacked together, they provide consistent filtration capabilities, making them an ideal choice for laboratories seeking adaptable solutions without compromising on air purification efficacy.

Opioid Evidence Handling Workstation Kit

TopAir's Opioid Evidence Handling Workstation offer dual functionality by providing both fume containment and precise weighing capabilities.

The stable cabinets are designed for accurate measurements of powders and chemicals by delivering a weight precision up to four decimal places.

- Dual ULPA filter The ULPA filter includes a main filter and a secondary back up filter. It removes powders and particles with an efficiency of 99.9995 @ 0.3µm and provides reassurance to the to the lab staff.
- Vacuum system for efficient residue collection The vacuum system is an excellent instrument to collect residues of powders from the working surface and channel them to the ULPA filter.
- Filter integrity test after production (D.O.P) This test provides reassurance to lab staff about air quality and contamination control in the laboratory environment

Spec/ Model	CF-060-OP	CF-090-OP	CF-120-OP	CF-150-OP	CF-180-OP
Opioid kit for Duct-less Fume Hood	Opioid kit for Duct-less Fume Hood	Opioid kit for Duct-less Fume Hood	Opioid kit for Duct-less Fume Hood	Opioid kit for Duct-less Fume Hood	Opioid kit for Duct-less Fume Hood

Ductless Fume Hood

TopAir's polypropylene Ductless Fume Hood provides a safe environment for lab staff working with a variety of chemicals.

Our Ductless Fume Hood offers an air velocity display and alarm with a full Variable Air Volume (VAV) automatic speed adjustment to meet 100±20 fpm (0.5±0.1 m/s).

This model is also equipped with a chemical VOC sensor and alarm to detect high levels of volatile compounds present in the filter for extra safety.

TopAir's Ductless Fume Hoods can be customized to meet size requirements as needed.

Structure:

- 8 mm welded polypropylene with high chemical resistance
- Built-in sealed polypropylene worktop or choice of epoxy, stainless steel, ceramic, or Trespa high pressure compact laminates (HPLs)
- 5 mm safety front glass window with sliding front sash with counterweight
- Side windows for better visibilityer on the working surface

- 10.1" color touchscreen display
- VAV with air flow alarm and display
- VOC sensor and alarm
- Chamber alert light (red) for critical alarms
- High efficiency quiet ECM fan
- 800 lux LED lighting separated from the work area
- Adjustable air velocity 100±20 fpm (0.5 ± 0.1 m/s)
- Convenient front access for filter replacement
- Variety of HEPA filters, carbon filters, and pre-filters
- 10" (250 mm) exhaust point collar for connection to external exhaust
- Optional: metal stand or polypropylene base cabinet
- Certifications: EN-14175 / ASHRAE 110-1995, CE

Ductless Fume Hood

Spec/ Model	CF-060-PP	CF-090-PP	CF-120-PP	CF-150-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"
Dimensions for XL model W x D x H For XL models add –XL to P/N	600 x 750 x 1500 mm 23.62 x 29.5 x 59"	900 x 750 x 1500 mm 35.4 x 29.5 x 59"	1200 x 750 x 1500 mm 47.24 x 29.5 x 59"	1500 x 750 x 1500 mm 59 x 29.5 x 59"	1800 x 750 x 1500 mm 70.8 x 29.5 x 59"
	WE CAN CUSTOMIZE TO ANY SIZE - EVEN A SINGLE UNIT! CONTACT US FOR DETAILS				
Workspace (W x D x H)	585 x 590 x 695 mm 23 x 23.2 x 27.3"	885 x 590 x 695 mm 34.8 x 23.2 x 27.3"	1185 x 590 x 695 mm 46.6 x 23.2 x 27.3"	1485 x 590 x 695 mm 58.4 x 23.2 x 27.3"	1785 x 590 x 695 mm 70.2 x 23.2 x 27.3"
Front Sash Max. Opening	495 mm / 19.5"				
Test Standard	Comply	EN-14175 / CE / ASHRAE 110-1995	EN-14175 / CE / ASHRAE 110-1995	EN-14175 & ASHRAE 110-1995	EN-14175 & ASHRAE 110-1995
Air Velocity	0.5±0.1 m/s, 100±20 fpm				
Hood Material	8mm welded white polypropylene structure with built-in sealed polypropylene worktop				
Noise	<52dB	<52dB	<54dB	<60dB	<62dB
	(Tested 20 cm (8") from the worktable, 1.2m (48") above ground)				
Power Supply	110/220 V, 50/60 Hz, Single phase				
Illumination	800 lux, eco-friendly LED lighting				

Available Filter	Pre-filter & carbon filters for solvents, acids, bases, formaldehyde, multi gas (blend of materials) / HEPA				
Metal Stand with Casters	CF-060-ST	CF-090-ST	CF-120-ST	CF-150-ST	CF-180-ST
Polypropylene Base Cabinet Model	CF-060-BS	CF-090-BS	CF-120-BS	CF-150-BS	CF-180-BS

Optional Accessories	Model
Water tap	CF-WTAP
Cup sink	CF-PP-SINK
Sink size 30*40	CF-SINK-3040
Water Tap - Swan Type	CF-WT-S
Power outlet installed	CF-SOCKET
UV light	CF-UV

Evidence Drying Cabinet

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

The hood 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 Hood'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 Hood exhaust air using HEPA filtration and Carbon filtration.

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

- Polypropylene structure with high chemical resistance
- Clear triplex safety glass
- Polypropylene internal & external cover
- Ore-filter, HEPA and Carbon Filter
- Internal RH and temperature display
- Top quality purge fan
- UV sterilization + safety interlock mechanism
- Bottom draining basin with tap
- Electrical - 110/220V, 60/50hz

Models - Evidence Drying cabinet

Spec/Model	EV-075	EV-090	EV-100	EV-120
External Dimension WxDxH	760*710*1900 mm 30" x 28" x 75"	910*710*1900 mm 36" x 28" x 75"	1000*710*1900 mm 39" x 28" x 75"	1220*710*1900 mm 48" x 28" x 75"
Inner Capacity (L)	510	690	770	880
Weight	110	120	134	150
Power Consumption	150w	150w	150w	150w
Power Supply	115 / 250V 50/60 Hz, Single phase	115 / 250V 50/60 Hz, Single phase	115 / 250V 50/60 Hz, Single phase	115 / 250V 50/60 Hz, Single phase
Material	Polypropylene	Polypropylene	Polypropylene	Polypropylene

Spec/Model	EV-150	EV-190	EV-240
External Dimension WxDxH	1520*710*1900 mm 60" x 28" x 75"	1930*710*1900 mm 76" x 28" x 75	2430*710*1900 mm 96" x 28" x 75"
Inner Capacity (L)	1200	1360	1700
Weight	170	200	260
Power Consumption	400w	550w	550w
Power Supply	115 / 250V 50/60 Hz, Single phase	115 / 250V 50/60 Hz, Single phase	115 / 250V 50/60 Hz, Single phase
Material	Polypropylene	Polypropylene	Polypropylene

Spec/Model	EV-XXX
WE CAN CUSTOMIZE TO ANY SIZE - EVEN A SINGLE UNIT! CONTACT US FOR DETAILS	

Option: for Duplex design add -DL in the end of the C/N

Downflow Powder Workstation

TopAir's Downflow Workstation is a stand alone, 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, while still providing 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.

- Polypropylene structure with high chemical resistance
- Electrical - 110/220v, 60/50hz
- Light - 24w LED
- Worktop - 304 SUS
- Filters - H14 HEPA/ carbon
- Alarm - High pressure (filter block)
- Welded white polypropylene structure
- Eco-friendly, cost-effective 800 LUX LED lighting
- Convenient front access for filter replace ment
- Stainless steel worktop combine with a drawer for easy cleaning
- User-friendly analog control panel including fan speed control

Spec/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”
WE CAN CUSTOMIZE TO ANY SIZE - EVEN A SINGLE UNIT! CONTACT US FOR DETAILS			
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

More from TopAir Systems

Fume Hoods

METAL FUME HOOD

- Metal epoxy-coated oven-tempered structure
- Tempered glass sliding front sash
- Air suction from both the top and back panel
- LED lighting at 800 LUX
- Side walls 6 mm HPL
- Ceramic work surface with raised edges.
- 7” color touch screen controlling lighting and power.
- Optional VAV system.
- Includes metal lower base cabinet
- EN-14175 / CE / ASHRAE 110-1995 certified

WALK IN HOOD

- Polypropylene structure with high chemical resistance
- Large front horizontal doors
- 800 LUX LED lighting
- Optional: sink/water tap/gas tap/vacuum tap
- 10.1” color touch screen controlling lighting and power.
- Optional VAV system.
- CE certified

WET SCRUBBER HOODS

- Polypropylene structure with high chemical resistance
- Spray Nozzles, Upper Eliminator, Scrubbing Media Water Pump, Water Tank, Visual + Audio Alarm for low water level
- Low pressure drop
- 10.1” color touch screen controlling lighting and power.
- Optional VAV system.
- CE certified

More from TopAir Systems

Laminar Hood and PCR

VERTICAL LAMINAR CLEAN BENCH

- Polypropylene or metal structure with high chemical resistance
- Vertical air stream
- Work surface made of 304 stainless steel
- Side windows made of tempered glass
- 10.1” screen with air velocity display
- Automatic configuration for air velocity
- Metal stand
- LED lighting
- Compliance with Test Standard:
US Federal Standard 209E / ISO 14644-1 / CE

HORIZONTAL LAMINAR CLEAN BENCH

- Polypropylene or metal structure with high chemical resistance
- Horizontal air stream
- Work surface made of 304 stainless steel
- Side windows made of tempered glass
- 10.1” screen with air velocity display
- Automatic configuration for air velocity
- Metal stand
- LED lighting
- Compliance with Test Standard:
US Federal Standard 209E / ISO 14644-1 / CE

PCR CABINET

- Polypropylene structure with high chemical resistance
- Ozone free UV lightbulb, UV output at 1M 254nm
- Tempered front sliding glass window
- 800 LUX LED lighting
- UV light
- Smart safety mechanism prevents UV exposure
- 7” color touch screen
- Optional stand, Hepa filter

More from TopAir Systems

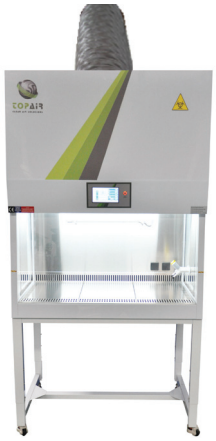
Biosafety Cabinets

CLASS II A2

- Polypropylene structure - high chemical resistance
- 304 stainless steel work surface
- Two ULPA H15 filters @99.9995% @ 0.1 um
- Smart 10.1” color touch screen control system
- Maintenance & technical faults alarms
- Germicidal water proof UV light system and safety interlock mechanism
- Airflow Pattern: 70% circulation, 30% exhaust
- ISO 5/CLASS 100 cleanliness level according to ISO 146441 & USA Federal Standard 209E
- CE certified, complies with EN 12469

CLASS II B2

- Polypropylene structure, high chemical resistance
- 304 stainless steel work surface & spill tray
- Two ULPA H15 filters -efficiency @99.9995% @ 0.1 um
- Smart 10.1” color touch screen control system
- Germicidal water proof UV light system and safety interloc mechanism
- System alarm and downflow fan shutdown upon inflow failure
- Air flow pattern: 100% exhaust
- ISO 5/ CLASS 100 cleanliness level according to SO 14644-1 & USA Stadard 209E
- CE certified

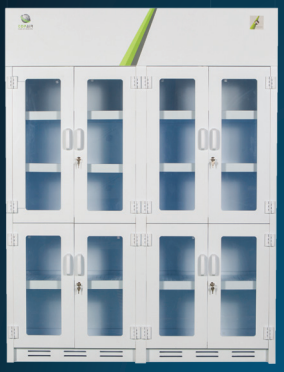


ECOLINE CLASS II A2

- Polypropylene structure with high chemical resistance
- 304 stainless steel work surface & spill tray
- Two ULPA H15 filters at Efficiency @99.9995% @ 0.1 um
- Smart 7” color touch-screen control system
- Germicidal UV light system and safety interlock mechanism
- 6 mm triplex layer safety electrical front glass window
- CE certified

More from TopAir Systems

Polypropylen Casework



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