



LABORATORY FURNITURE

Advancelab provides reliable solutions to complex construction challenges taking fresh creative approaches.

We are a Singapore Government registered supplier. Having taken our brand of expertise globally, we now export laboratory steel casework, fume hoods, laminar flow cabinets and clean booths to 30 countries, covering all continents.

Evolab (Thailand) Co.,Ltd. is the sole distributor of Advancelab in Thailand. We are proud to be part of fast expansion in South East Asia and their global sales network.



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Advancelab Pro[®] Steel Casework

Laboratory Furniture



Quality Hinges



Adjustable Steel Shelves



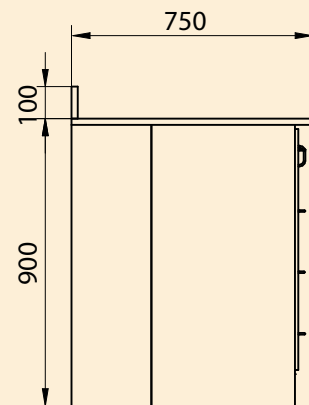
Heavy Epoxy Powder Coating



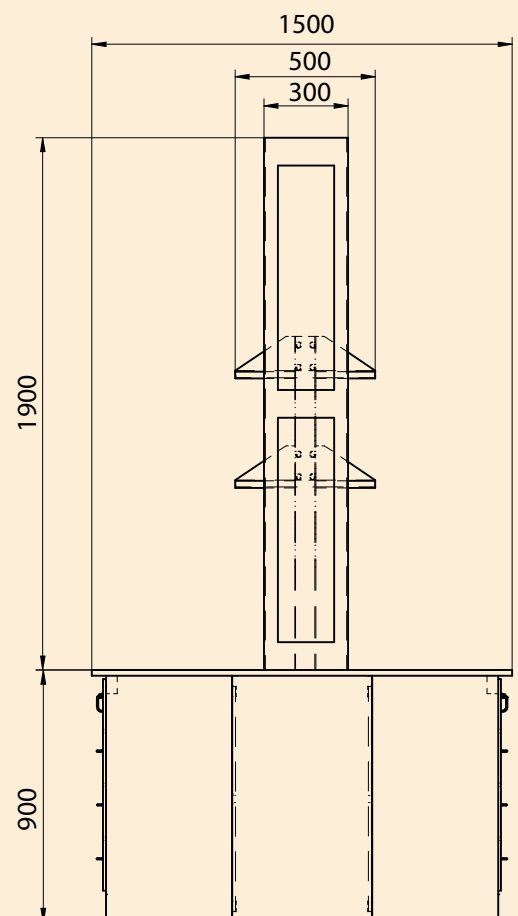
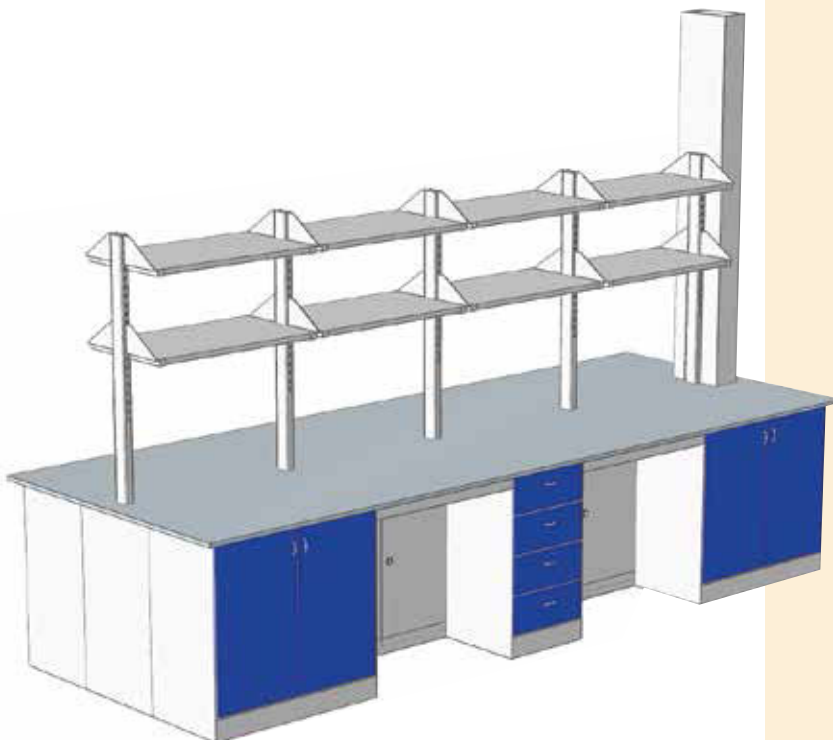
Our floor mounted steel casework is the lab furniture of tomorrow. It is flexible and allows infinite modifications at site with a “sliding knee space” concept. Construction uses electrogalvanised steel sheets with heavy epoxy powder coating. Quality hinges, door handles and drawer pulls lend to durability and years of trouble free use. We stock both epoxy and phenolic resin table tops to ensure quick ship possibilities to our ever growing export division.

Typical Bench Setup

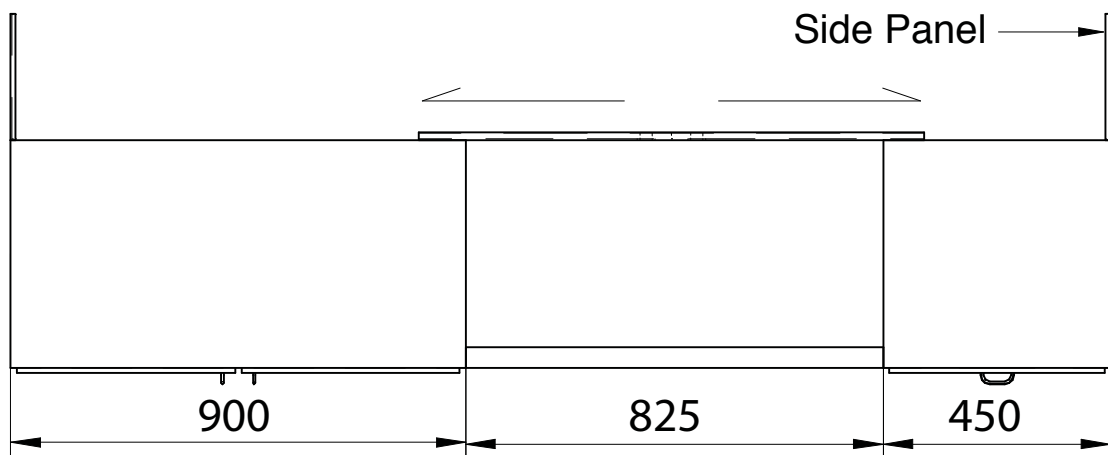
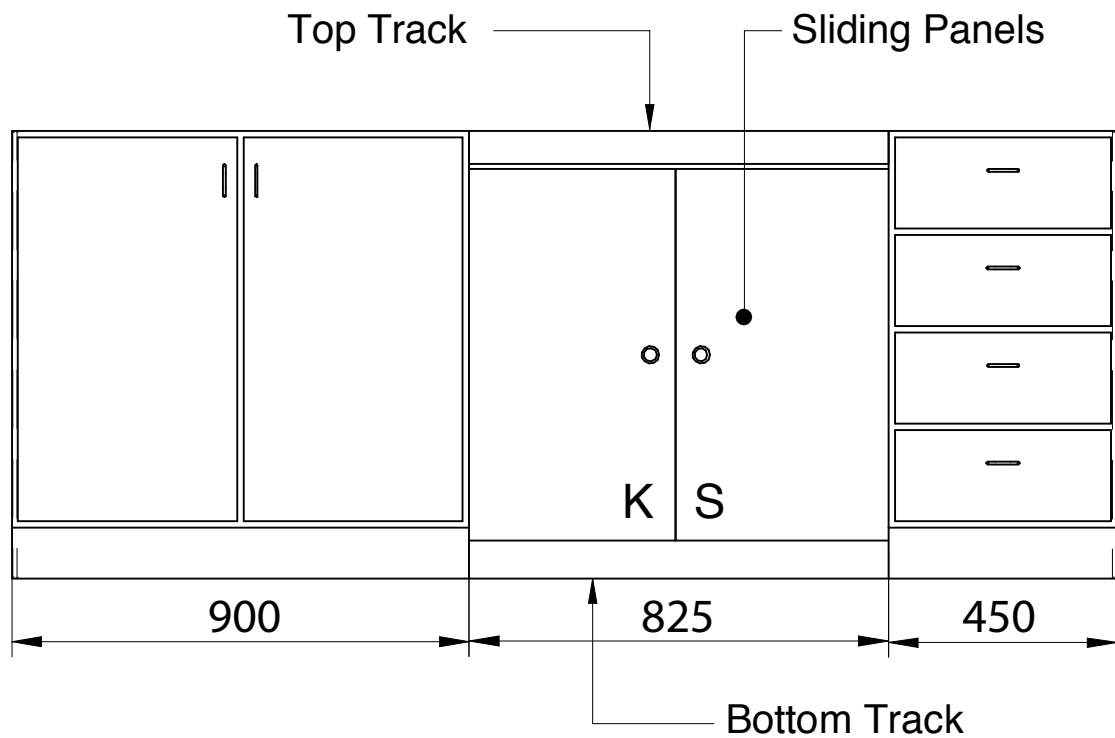
Wall Bench Module



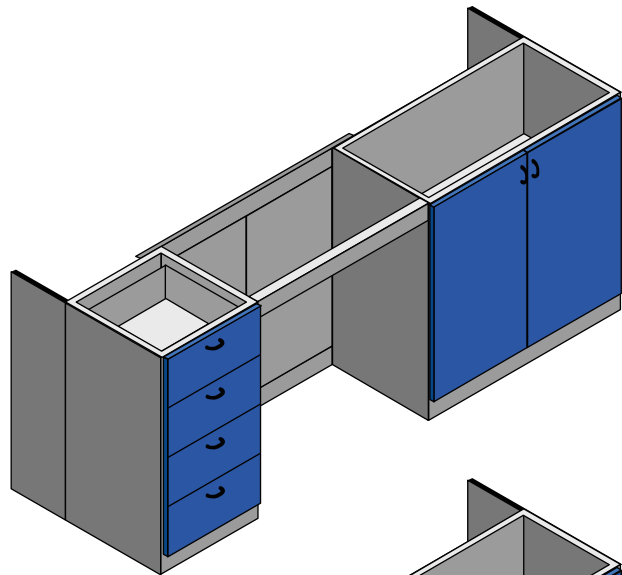
Island Bench Module



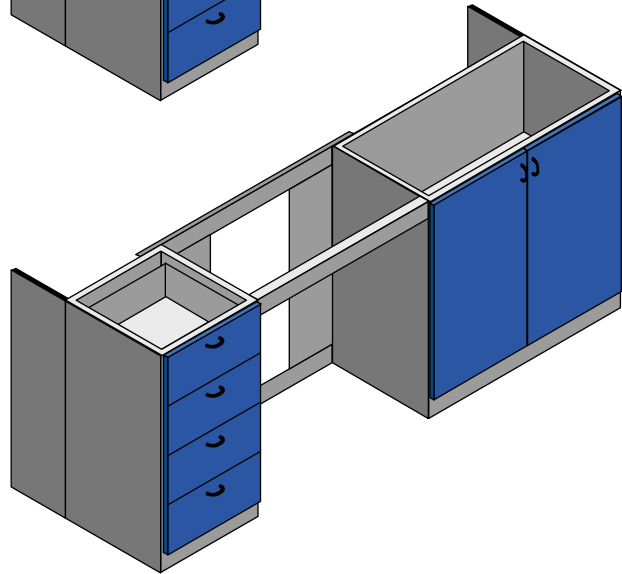
Sliding Knee Space



Sliding Knee Close



Sliding Knee Open



Powder Coating



Base Color



LIGHT GREY
PR12/808/CS10
RAL7035

SIGNAL WHITE
PR12/4269/CS6
RAL9003

Main Color



PASTEL GREEN
PR12/227/CS13
RAL6019



EMERALD GREEN
PR12/2045/CS2
RAL6001



LIGHT BLUE
PR12/363/CS21
RAL5012

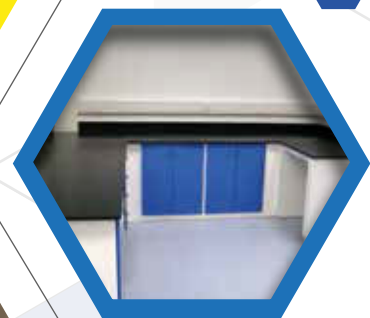


TRAFFIC RED
PR12/526/CS28
RAL3020



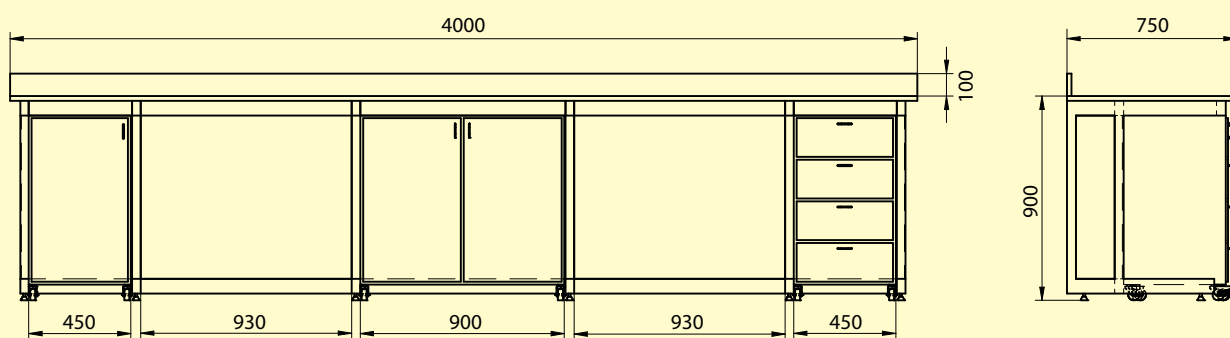
TRUNKING ORANGE
FF160/6178/C4

Wall Bench

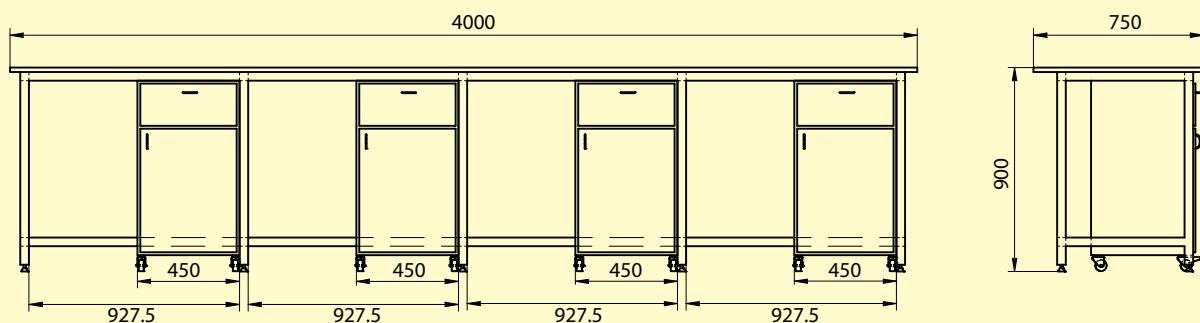




C Frame Wall Bench



H Frame Wall Bench



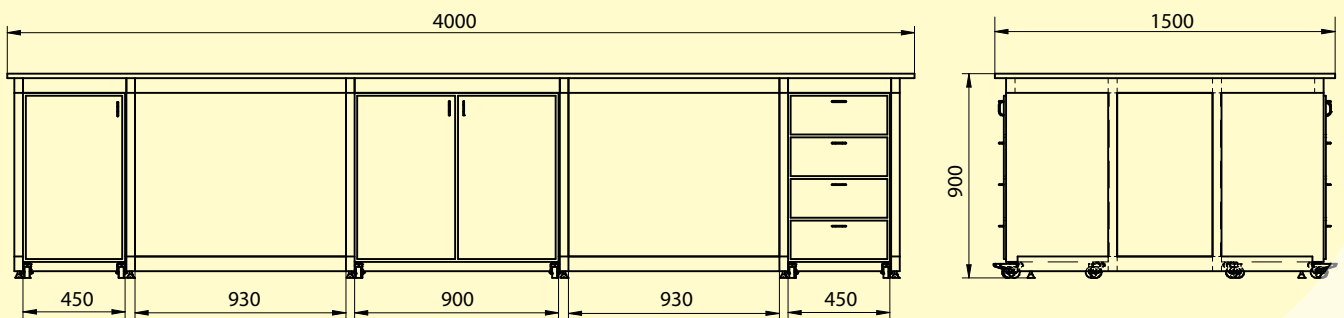
Island Bench

Laboratory Furniture

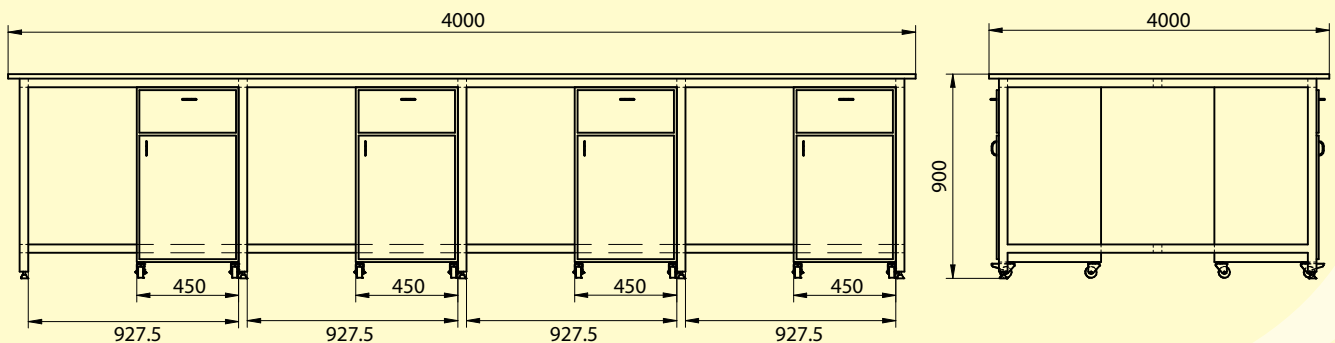




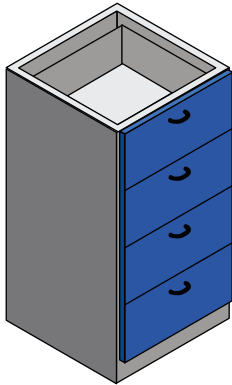
C Frame Island Bench



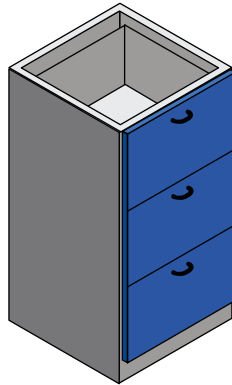
H Frame Island Bench



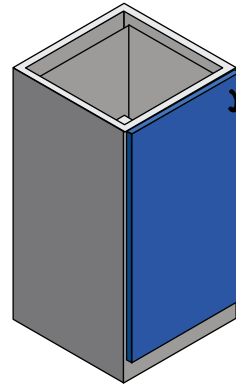
Underbench Units



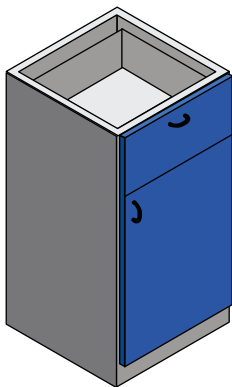
L450mm Drawer
Pedestal (4 Tier)



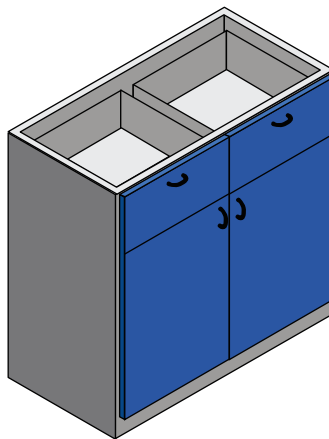
L450mm Drawer
Pedestal (3 Tier)



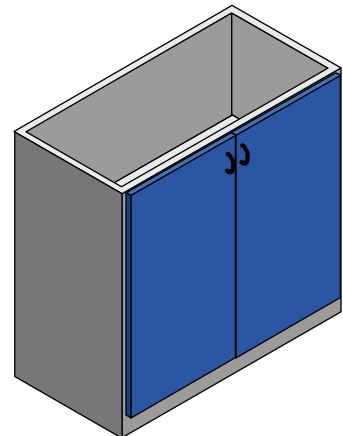
L450mm Single Door Pedestal



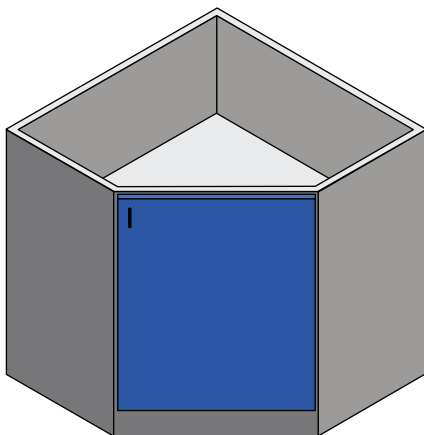
L450mm Combination
Pedestal



L900mm Combination
Pedestal



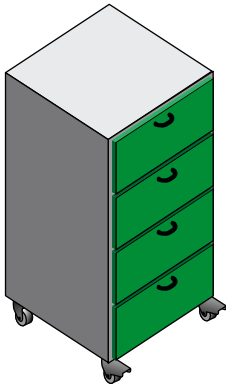
L900mm Double Door Pedestal



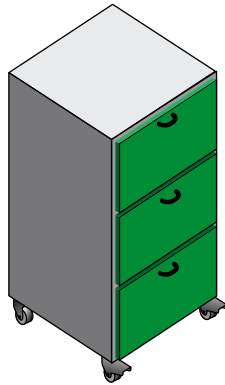
Corner Pedestal (For L Shaped Bench)

Underbench Units	
Working Heights (mm)	730/880
Depth (mm)	450
Length (mm)	450/600/900
Load Capacity	200kg/m ²

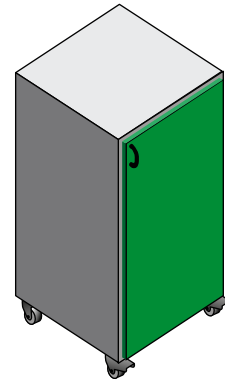
Underbench Units On Castors



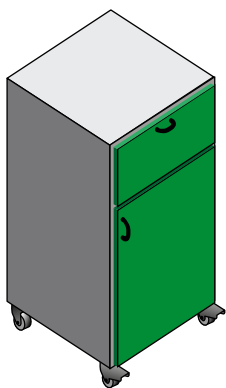
L450mm Drawer
Pedestal(4 Tier)



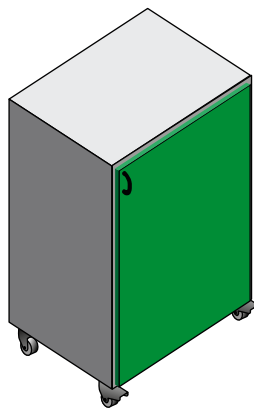
L450mm Drawer
Pedestal (3 Tier)



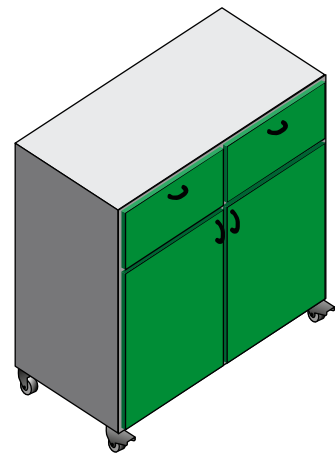
L450mm Single Door Pedestal



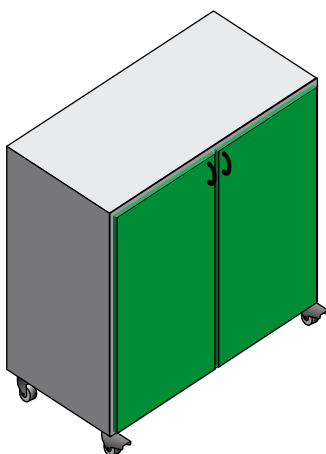
L450mm Combination
Pedestal



L600mm Single Door Pedestal



L900mm Combination
Pedestal

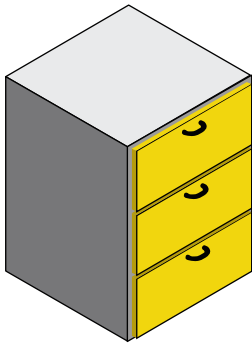


L900mm Double Door Pedestal

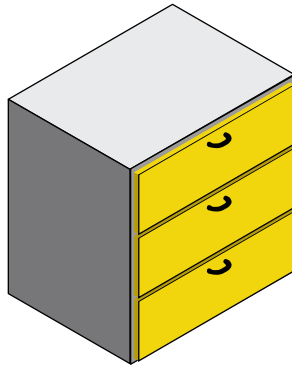
Underbench Units On Castors

Working Heights (mm)	660/810
Depth (mm)	450
Length (mm)	450/600/900
Load Capacity	200kg/m ²

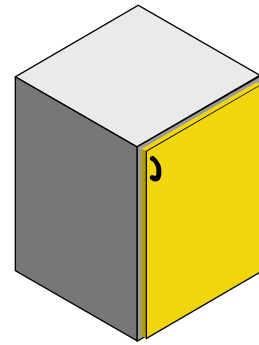
Suspended Underbench Units



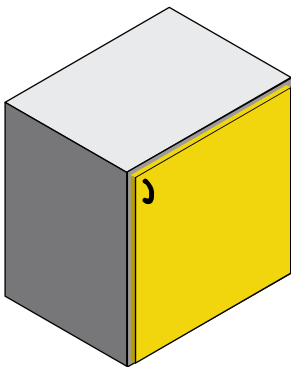
L450mm Drawer Pedestal (3 Tier)



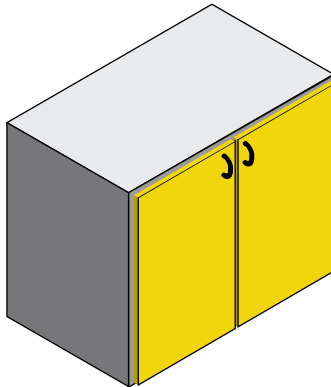
L600mm Drawer Pedestal (3 Tier)



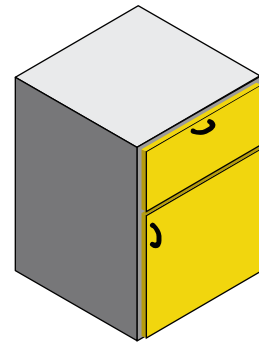
L450mm Single Door Pedestal



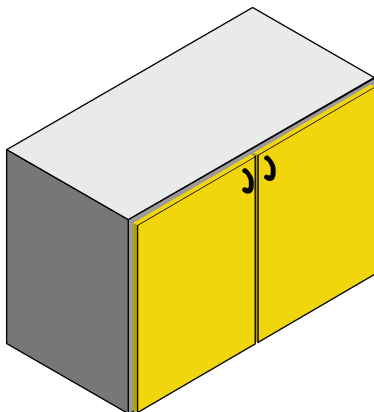
L600mm Single Door Pedestal



L750mm Double Door Pedestal



L450mm Combination Pedestal

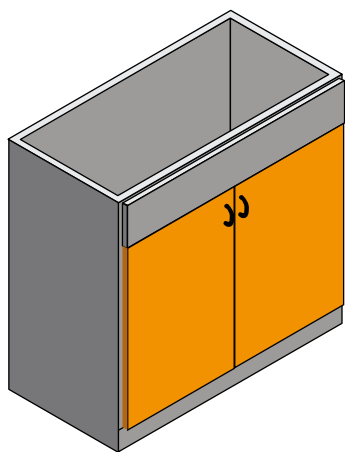


L900mm Double Door Pedestal

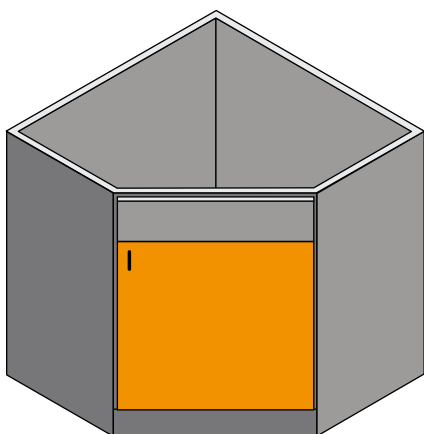
Suspended Underbench Units

Working Heights (mm)	615
Depth (mm)	450
Length (mm)	450/600/900

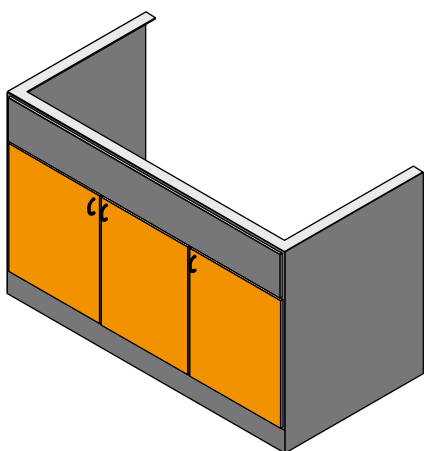
Underbench Sink Units



L900mm Sink Cabinet



Corner Sink Cabinet
(For L Shaped Bench)



L1400mm Sink Cabinet
(For Island Bench)



Sink



Laboratory Furniture

Stainless Steel 304 Sink

Model	External Length(A)	External Width(B)	Internal Length(C)	Internal Width(D)	Depth(E)
AD-S-01-SS304	300	300	250	250	250
AD-S-02-SS304	400	300	350	250	250
AD-S-03-SS304	450	450	400	400	250
AD-S-04-SS304	480	350	430	300	250
AD-S-05-SS304	500	400	450	350	300
AD-S-06-SS304	550	450	500	400	300
AD-S-07-SS304	600	400	550	350	300
AD-S-08-SS304	650	400	600	350	300
AD-S-09-SS304	750	500	700	450	300
AD-S-10-SS304	900	500	850	450	300



Stainless Steel 304/ 316 Sink



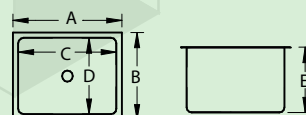
Polypropylene Sink

Stainless Steel 316 Sink

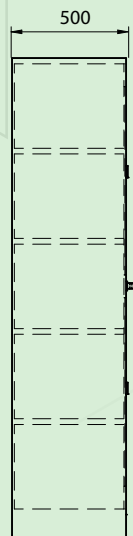
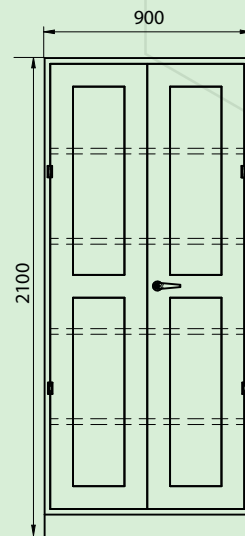
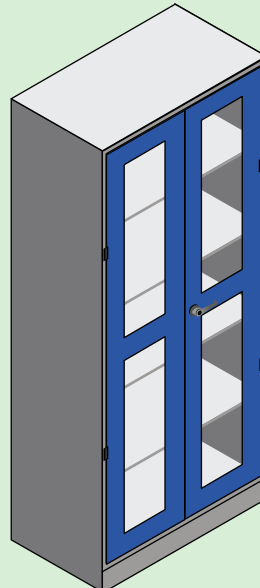
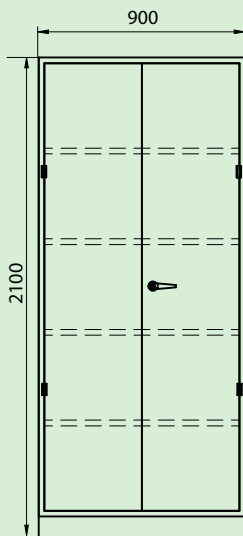
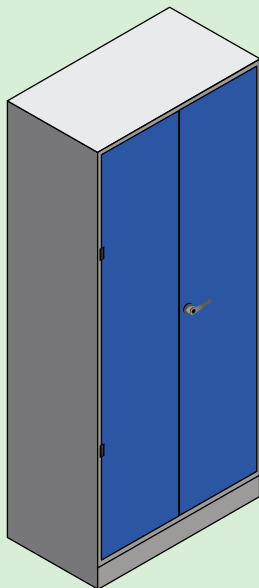
Model	External Length(A)	External Width(B)	Internal Length(C)	Internal Width(D)	Depth(E)
AD-S-01-SS316	300	300	250	250	250
AD-S-02-SS316	400	300	350	250	250
AD-S-03-SS316	450	450	400	400	250
AD-S-04-SS316	480	350	430	300	250
AD-S-05-SS316	500	400	450	350	300
AD-S-06-SS316	550	450	500	400	300
AD-S-07-SS316	600	400	550	350	300
AD-S-08-SS316	650	400	600	350	300
AD-S-09-SS316	750	500	700	450	300
AD-S-10-SS316	900	500	850	450	300



Epoxy Resin Sink: Black



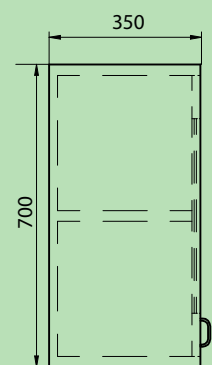
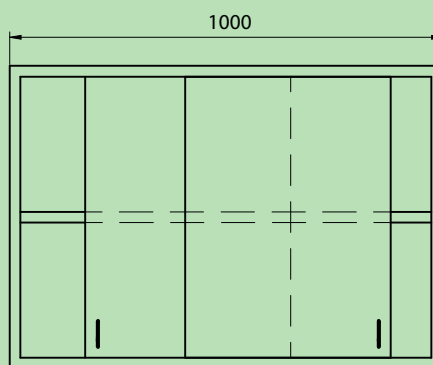
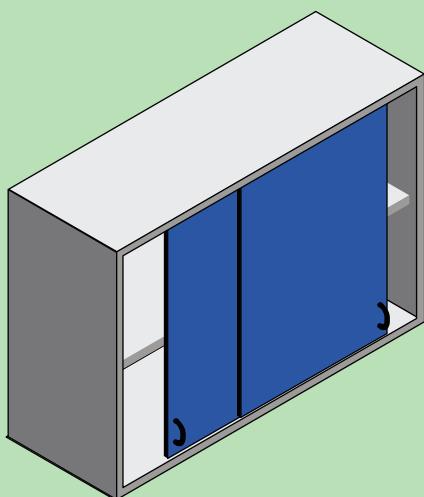
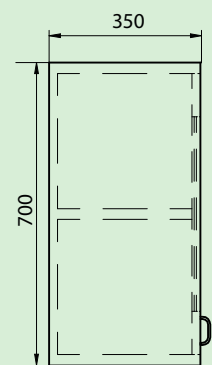
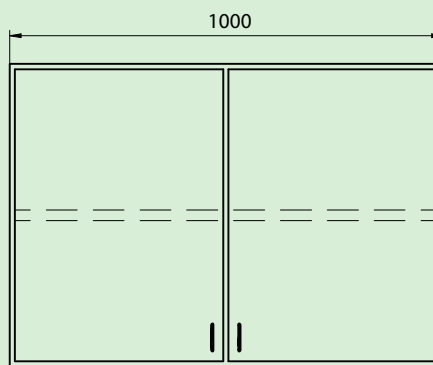
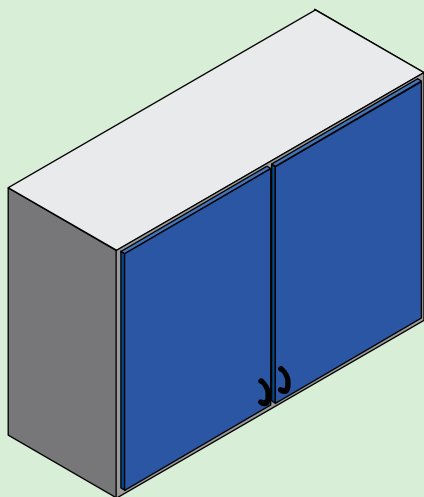
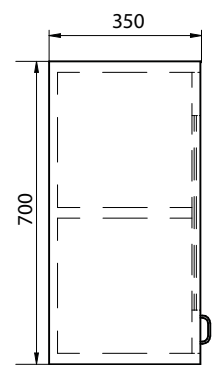
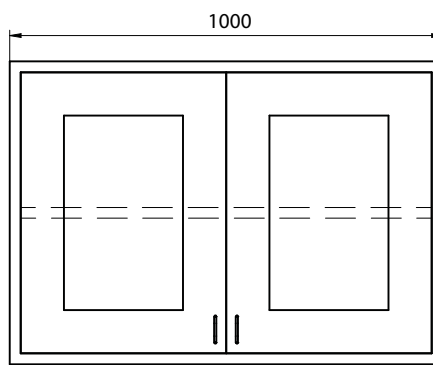
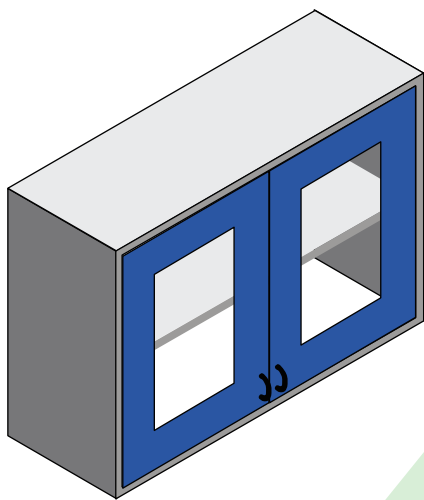
Storage Cabinet



Wall Hung Cabinet

Laboratory Furniture



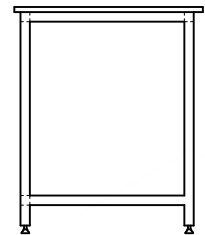
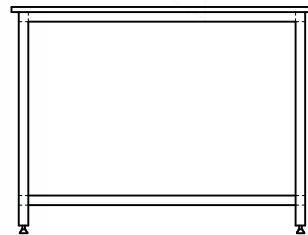


Table



Table

Working Heights (mm)	750/900
Depth (mm)	750/900
Length (mm)	900/1200/1500

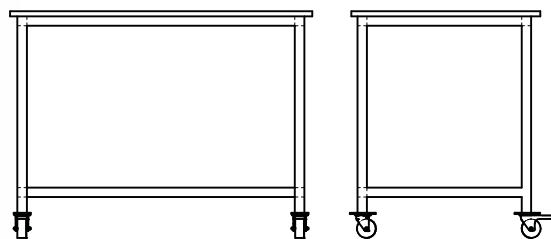


Mobile Table



Mobile Table

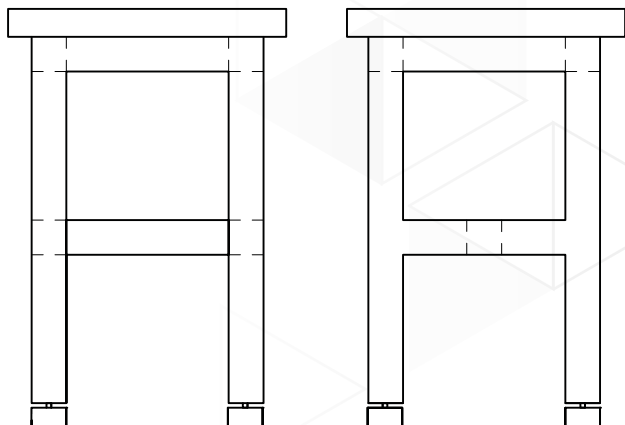
Working Heights (mm)	750/900
Depth (mm)	750/900
Length (mm)	900/1200/1500



Balance Table

Laboratory Furniture

The balance table is used for analytical balances and other sensitive measuring equipment. A heavy slab of concrete is specially mounted on a supporting construction which is vibration isolated.

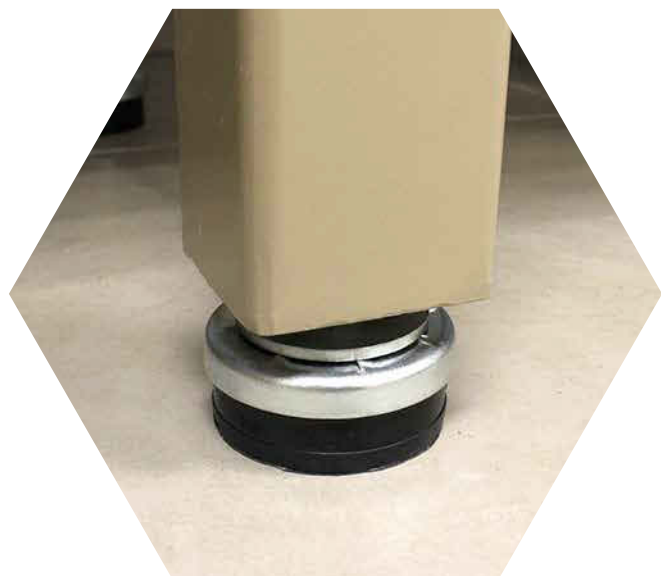


Balance Table

Working Heights (mm)	750/900
Depth (mm)	450/600/900
Length (mm)	450/600/900/1200
Load Capacity	



Balance Table Features



The balance table is used for analytical balances and other sensitive measuring equipment. Advancelab's Balance Tables provide superior stability for highly calibrated equipment. A heavy slab of concrete is specially mounted on a supporting construction. The supporting construction for the slab is vibration isolated from outer worktop.

- Two thickness of table top, 20mm and 60mm
- Fabricated with 75mm x 75mm epoxy powder coating galvanized steel
- An electro-galvanized steel lateral support beam adds strength and rigidity
- Superior load bearing capability and the rigidity necessary to support sensitive calibrated instrumentation
- Anti vibration leg reduce vibrations going into the floor or table
- Table top are granite surface
- Excellent acid, alkali and corrosion proof performance
- Resistance to as high as 1200°C
- Eco-friendly and space saving
- Easy to clean and maintenance

Model

Balance Table		
MODEL	Sizes (L x D x H)	Construction
AD0202BT	600 mm x 600mm x 900mm	<ul style="list-style-type: none">60mm thick granite top75mm x 75mm square tube heavy duty construction with epoxy powder coating80mm diameter anti-vibration legs
AD0302BT	900 mm x 600mm x 900mm	
AD0303BT	900 mm x 900mm x 900mm	
AD0602BT	1200 mm x 600mm x 900mm	
Granite Top with 60mm Thickness		
MODEL	Sizes (L x D x H)	Construction
AD1212-02GT	300 mm x 300mm x 60mm	
AD1818-02GT	450 mm x 450mm x 60mm	
AD2418-02GT	600 mm x 450mm x 60mm	
AD2424-02GT	600 mm x 600mm x 60mm	
Granite Top with 20mm Thickness		
MODEL	Sizes (L x D x H)	Construction
AD1212-01GT	300 mm x 300mm x 20mm	
AD1818-01GT	450 mm x 450mm x 20mm	
AD2418-01GT	600 mm x 450mm x 20mm	
AD2424-01GT	600 mm x 600mm x 20mm	

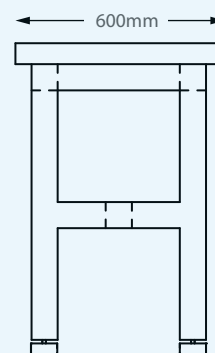
Balance Table

AD0202BT

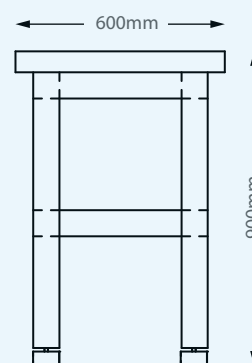
600mm x 600mm x 900mm



Front View



Side View

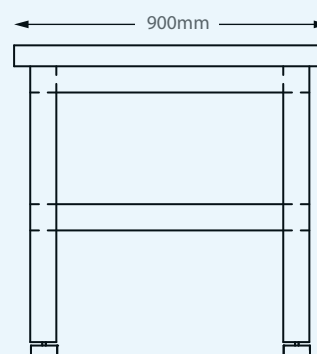


AD0302BT

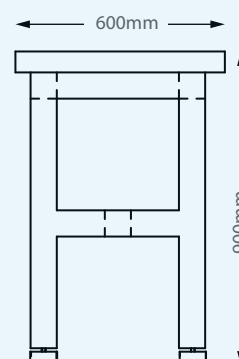
900mm x 600mm x 900mm



Front View



Side View



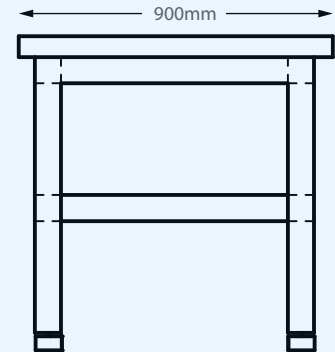
Balance Table

AD0303BT

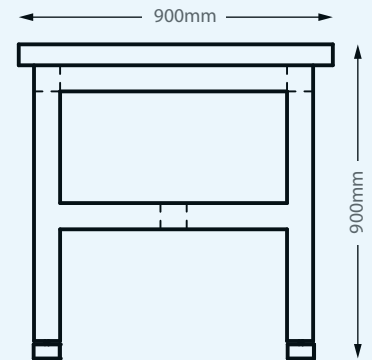
900mm x 900mm x 900mm



Front View



Side View

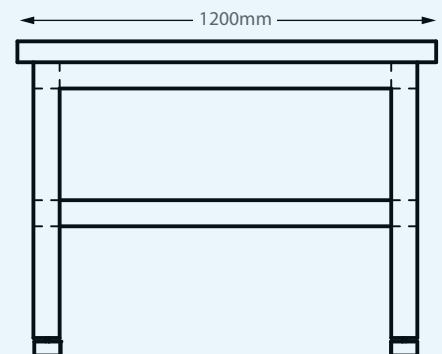


AD0402BT

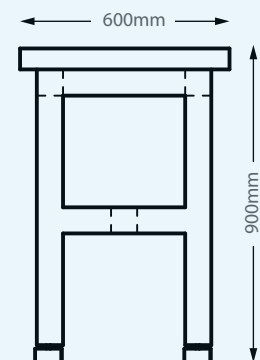
1200mm x 600mm x 900mm



Front View



Side View

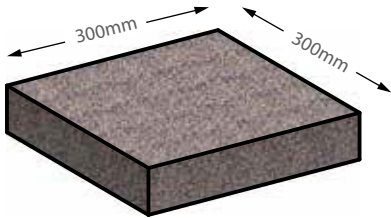


Granite Top

Granite 60mm

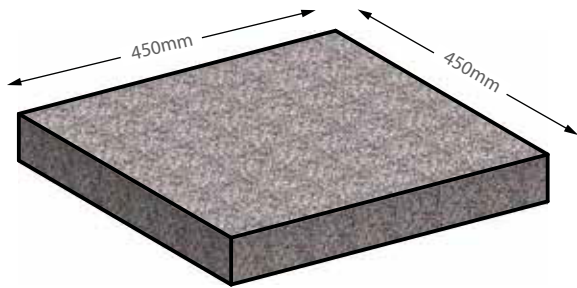
AD1212-02GT

300mm x 300mm x 60mm



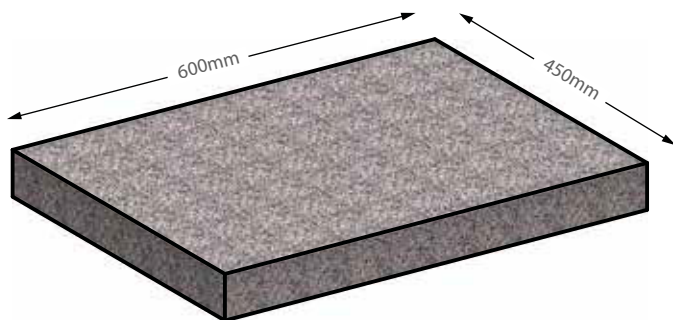
AD1818-02GT

450mm x 450mm x 60mm



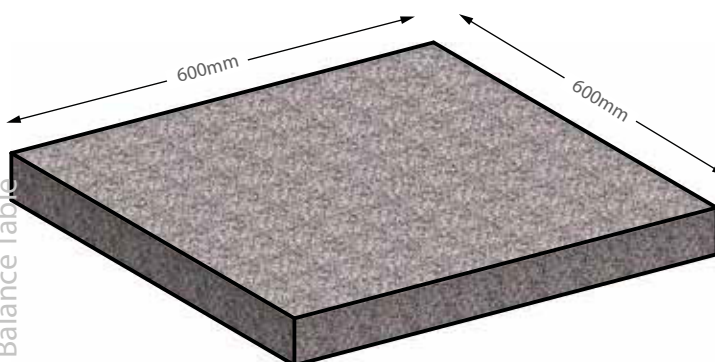
AD2418-02GT

600mm x 450mm x 60mm



AD2424-02GT

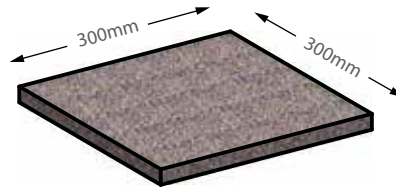
600mm x 600mm x 60mm



Granite 20mm

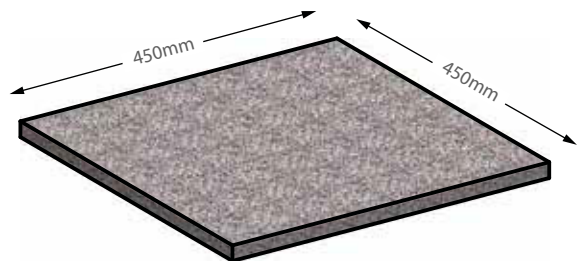
AD1212-01GT

300mm x 300mm x 20mm



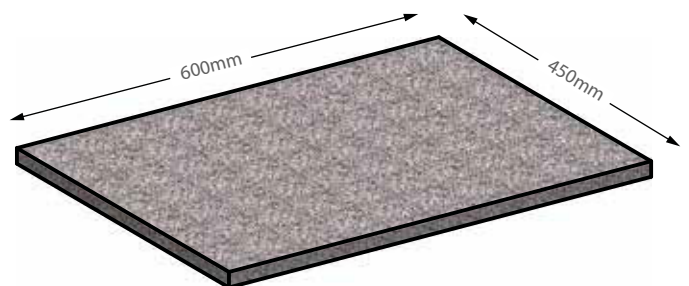
AD1818-01GT

450mm x 450mm x 20mm



AD2418-01GT

600mm x 450mm x 20mm



AD2424-01GT

600mm x 600mm x 20mm

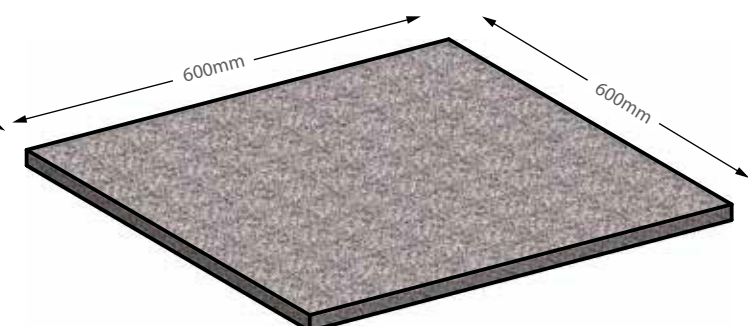
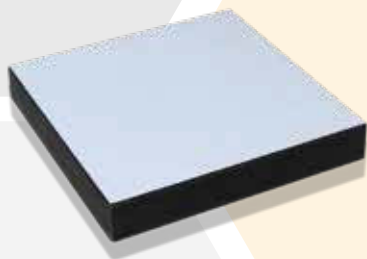
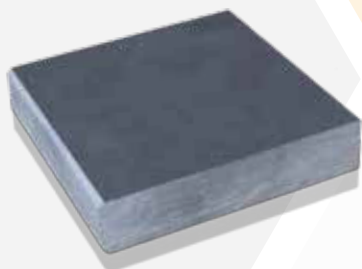


Table Top



Phenolic Resin

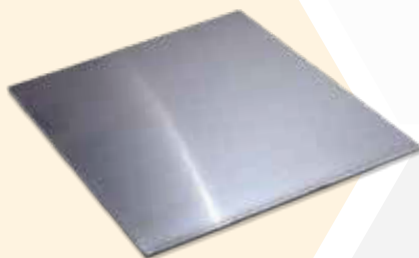
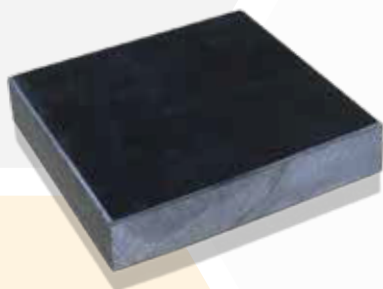
Standard 16mm but available up to 25mm.



Epoxy Resin

Standard 19mm but available up to 25mm.

Color: Grey, Black



Stainless Steel

SS304/SS 316 available in various sizes and finishes.

PHENOLIC WORKTOP



Chemical Resistance grade
Phenolic Worktop. Tested
based on requirements of
SEFA 8.1



RESISTLAB®

A regional builder & manufacturer specializing in factory fit outs. ISO 9001 and ISO 18001 facilities. Phenolic worktops are the most commonly used tabletops in laboratories world wide. Up to 95% of all labs were phenolic tops. It has chemical resistance, high heat tolerance and is a robust material that is economical.

Here at Advancelab. we have ResistLab® that we regularly use for all segments of industries included

- ♦ MNC
- ♦ Tertiary Institutional
- ♦ Testing Laboratories
- ♦ QA / QC set ups
- ♦ Hospitals

Our work surfaces are molded with five thickness options:

- ♦ 10mm
- ♦ 13mm
- ♦ 16mm
- ♦ 18mm
- ♦ 20mm



- a) When tested at the specified drop height, the diameter of indentation shall not exceed 10 mm.
- b) L = in the longitudinal (or machine) direction of the fibrous sheet material (normally the direction of the longest dimension of the laminate).
- c) T = in the cross-longitudinal (cross-machine) direction of the fibrous sheet material (at right angles to direction L).
- d) Machine crosshead speed : 2 mm/min.
- e) Specimen type 1A : Machine crosshead speed 5 mm/min.



PSB Singapore

PHYSICAL PROPERTIES

	Test Method	Property / Attribute	Unit (min. or max.)	Values
Resistance to Surface Wear	10	Wear Resistance	Revolutions (min.) Initial point Wear value	150 350
Resistance to Impact by Large Diameter Ball	21	Drop Height ^{a)}	mm (min.) (t=nominal thickness) $2.0 \leq t < 6.0$ $6.0 \leq t$	1400 1800
Resistance to Scratching	25	Force	Rating (min.) Textured finishes	3
Resistance to Dry Heat (180° C)	16	Appearance	Rating (min.) Textured finishes	4
Resistance to Wet Heat (100° C)	EN12721	Appearance	Rating (min.) Textured finishes	4
Resistance to Immersion in Boiling Water	12	Mass Increase	5 (max.) $2.0 \text{ mm} \leq t < 5.0 \text{ mm}$ $t \geq 5.0 \text{ mm}$	5.0 2.0
		Thickness Increase	% (max.) (t=nominal thickness) $2.0 \text{ mm} \leq t < 5.0 \text{ mm}$ $t \geq 5.0 \text{ mm}$	6.0 2.0
		Appearance	Rating (min.) Textured finished	4
Dimensional Stability at Elevated Temperature	17	Cumulative Dimensional Change	% (max.) (t=nominal thickness) $2.0 \text{ mm} \leq t < 5.0 \text{ mm L}^b)$ $2.0 \text{ mm} \leq t < 5.0 \text{ mm T}^c)$ $t \geq 5.0 \text{ mm L}$ $t \geq 5.0 \text{ mm T}$	0.40 0.80 0.30 0.60
Resistance Staining	26	Appearance	Rating (min.) Groups 1&2 Group 3	5 4
Lightfastness (Xenon Arc)	27	Contrast	Grey scale rating	4 to 5
Resistance to Water Vapour	14	Appearance	Rating (min.) Textured finishes	4
Resistance to Cigarette Burns	30	Appearance	Rating (min.)	3
Resistance to Crazing	24	Appearance	Grade (min.)	4
Flexural Modulus	EN ISO 178 ^{d)}	Stress	Mpa (min.)	9000
Flexural Strength	EN ISO 178 ^{d)}	Stress	Mpa (min.)	80
Tensile Strength	EN ISO 527 ^{e)}	Stress	Mpa (min.)	60
Density	EN ISO 1183	Density	kg/m ³ (min.)	1350

Test Method:

The test was conducted by applying 2 or 3 drops of each reagent on the specimen surface. The reagent shall be at room temperature. Cover the reagent with a glass cover.

After a period of testing contact time under room temperature, the glass cover was removed. The reagent was rinsed off with water. Then the specimen surface was inspected and evaluated from various angles at a distance of 400 mm.

Rating:

No effect: No visible change of colour/corrosion/damage on surface

Excellent: Very slight change of colour, only visible at certain viewing angles

Good: Slightly change of colour on surface

Fair: Moderate change of colour on surface

Failure: Corrosion/ damage on surface



PSB Singapore

CHEMICAL PROPERTIES

24-hour Contact Time	%	No Effect	Excellent	Good	Fair	Failure
Acetone	-	✓				
Alcohol (Buthanol)	-	✓				
Ammonia	25	✓				
Ammonia Chloride	10	✓				
Ammonia Thiocyanate	41	✓				
Ammonia Sulphate	33	✓				
Amyl Acetate	-	✓				
Methyl Ethyl Ketone	100	✓				
Benzene	-	✓				
Dichloromethane	99	✓				
n-Buthyl Acetate	-	✓				
Cadmium Sulphate Hydrate (Saturated)	-	✓				
Lead Acetate Trihydrate	42	✓				
Lead Nitrate (Saturated)	-	✓				
Trisodium Phosphate	10	✓				
Magnesium Chloride (Saturated)	-	✓				
Magnesium Sulphate Heptahydrate	43	✓				
Methanol	-	✓				
Potassium Bromate (Saturated)	-	✓				
Potassium Bromate	30	✓				
Potassium Chloride (Saturated)	-	✓				
Potassium Hydroxide	49		✓			
Sodium Acetate	24	✓				
Potassium Sulphate (Saturated)	-	✓				
Isopropanol	-		✓			
Sodium Acetate (Saturated)	-	✓				
Calcium Chloride Dihydrate	41	✓				
Chloral Hydrate	54	✓				
Calcium Hydroxide (Saturated)	-	✓				
Chloroform	99.5	✓				
Copper Sulphate	10	✓				
Ethanol	-	✓				
Diethyl Ether	-	✓				
Chloral Hydrate	54	✓				
Calcium Hydroxide (Saturated)	-	✓				
Chloroform	99.5	✓				
Copper Sulphate	10	✓				

24-hour Contact Time	%	No Effect	Excellent	Good	Fair	Failure
Ethanol	-	✓				
Diethyl Ether	-	✓				
Ethyl Acetate	-	✓				
Glycerine	-	✓				
Sodium Carbonate (Saturated)	-	✓				
Sodium Chloride (Saturated)	-	✓				
Sodium Nitrate (Saturated)	-	✓				
Sodium Soluble (Saturated)	-	✓				
Thymol (Saturated)	-	✓				
Toluene	99	✓				
Tetrachloromethylene	99	✓				
Xylene	-	✓				
Zinc Chloride (Saturated)	-	✓				
Zinc Sulphate Heptahydrate	33.66	✓				

30-mins Contact Time	%	No Effect	Excellent	Good	Fair	Failure
Hydrofluoric Acid	15		✓			
Sulfuric Acid	60			✓		
Nitric Acid	60		✓			
Acetic Acid	100	✓				
Boric Acid	-	✓				
Citric Acid	30	✓				
Oxalic Acid	-	✓				

15-mins Contact Time	%	No Effect	Excellent	Good	Fair	Failure
Aluminium Chloride (Saturated)	-	✓				
Hydrogen Peroxide	30	✓				
Methylene Blue (Saturated)	-	✓				
Potassium Dichromate	-	✓				
Potassium Iodide (Saturated)	-	✓				
Potassium Permanganate (Saturated)	-	✓				
Sodium Thiosulphate (Saturated)	-	✓				
Potassium Nitrate (Saturated)	-	✓				
Sodium Sulphite (Saturated)	-	✓				
Sodium Hydroxide	49	✓				
Silver Nitrate	5			✓		

FABRICATION



A US imported CNC Router gives us a wide way of ability to cut your phenolic to size. A high cut speed of 1,400 IPM and rapid traverse of 2,500 means no time is wasted when the 3000 Series cuts and moves. And you still get consistently high accuracy with each cut because the 3000 Series CNC router comes with a repeatability of 1/1000th of an inch!

We are able to fabricate and cut to size for any cutting patterns to minimise wastage.

type of job. We can produce



TOP ORDERING INFORMATION

1) Colour Guide

P01034	P01597	P60200	P11000	P60300
 Warm White	 Warm Grey	 Cold Grey	 Light Blue	 Black

2a) Standard Length

1200mm
1500mm
1800mm
3670mm

2b) Standard Width

600mm
750mm
900mm
1530mm
1850mm

2c) Standard Thickness

13mm
16mm
18mm
20mm

3) Edge and Profile

A



Chamfered

B



Square







C



Marine Edge

Bench Top Order No.

ADPT-P11000-1200/600-13 B

					
Custom code for ResistLab® Phenolic worktop	Colour code refer to table 1:	Standard length sizes; refer to table 2a:	Standard width sizes; refer to table 2b:	Standard Thickness; refer to table 2c:	Standard finishing (edge); refer table 3:

* Example of the order above:

Advancelab ResistLab Phenolic Worktop - Light Blue colour - 1200mm Length / 600mm Width - 13mm thickness , Square finishing

SINKS

4a) Standard Length

1200mm
1500mm
1800mm

4b) Standard Width

750mm

4c) Standard Thickness

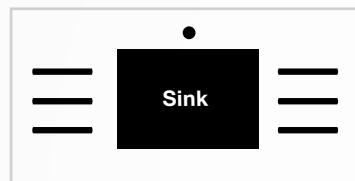
13mm
16mm
18mm
20mm

5) Position

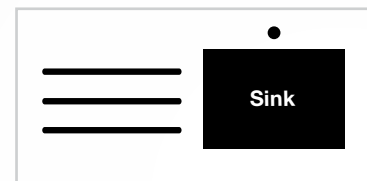
L



M



R



Forged Sink Order No.

ADPS-1500/750-18 M



Custom code for
Phenolic forged
sink



Standard length
sizes; refer to
table 4a:



Standard width
sizes; refer to
table 4b:



Standard
Thickness;
refer to
table 4c:

Standard
finishing
(edge);
refer
table 5:

* Example of the order above:

Advancelab ResistLab Phenolic Worktop - 1500mm Length / 750mm Width - 18mm thickness , Middle sink position

Reagent Rack

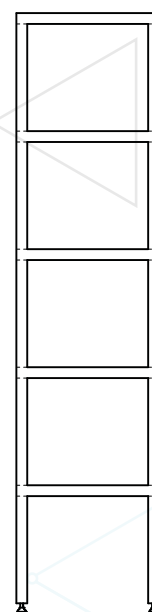
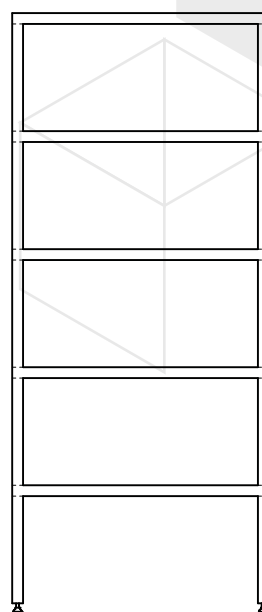


Open Rack

Ideally suited for storing consumable, these are available with the option of castors.

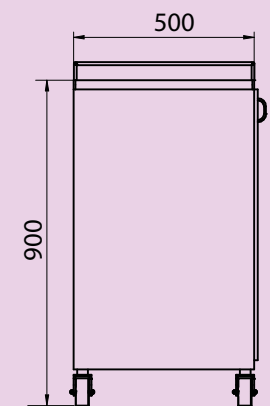
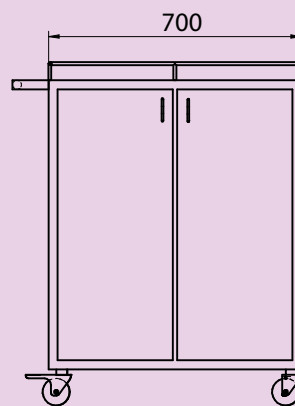
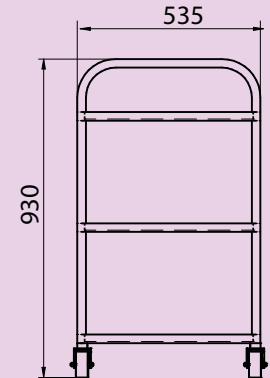
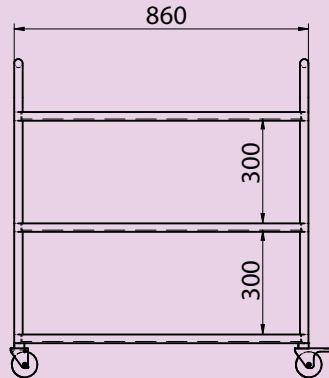
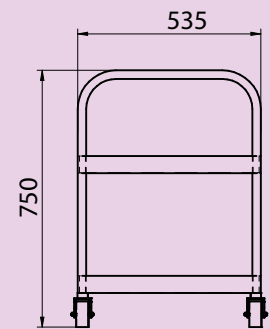
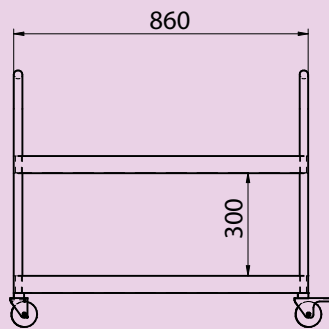
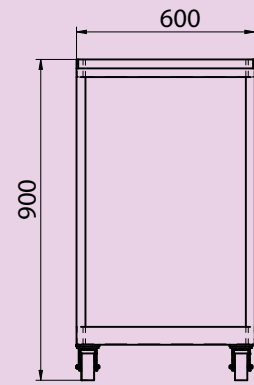
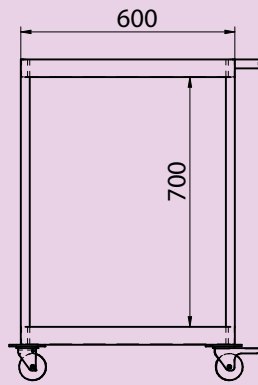
Open Rack

Working Heights (mm)	2100
Depth (mm)	500
Length (mm)	900/1000/1200
Load Capacity	100kg/shelf



Trolley





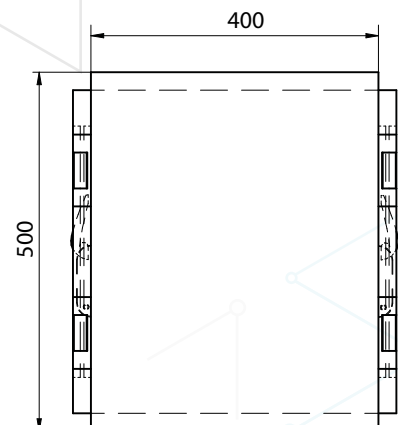
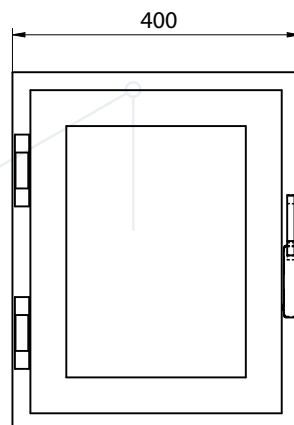
Pass Box

Laboratory Furniture



Types

- Standard
- Mechanical Interlock
- Electrical Interlock
- Custom Sizes Available



Ceiling Boom



Suspended Service Booms

Suspended service booms are used for the provision of electrical and mechanical services at the laboratory workstation. The modular spines are fastened to the raw ceiling.

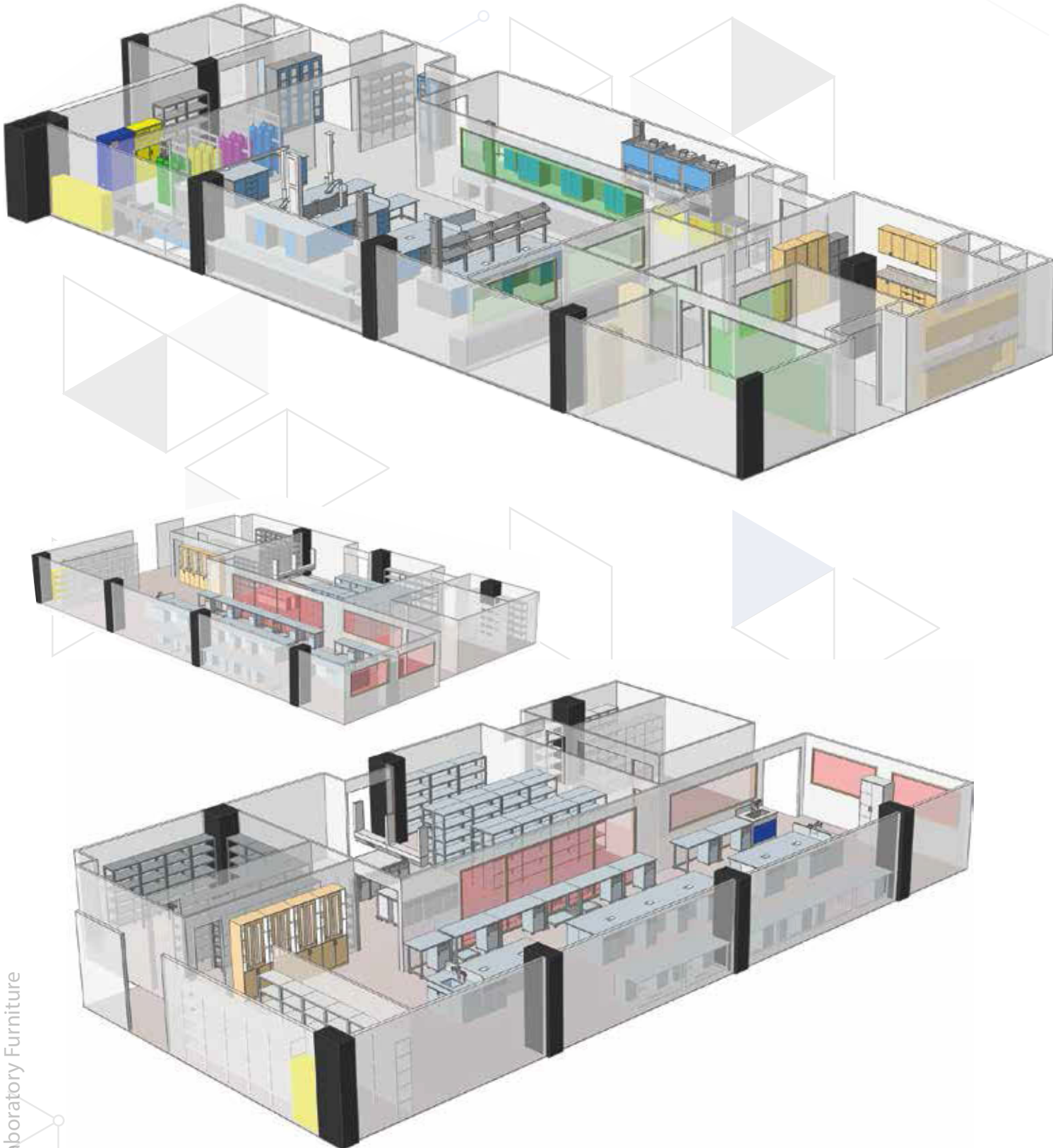
Safety Equipment

Laboratory Furniture

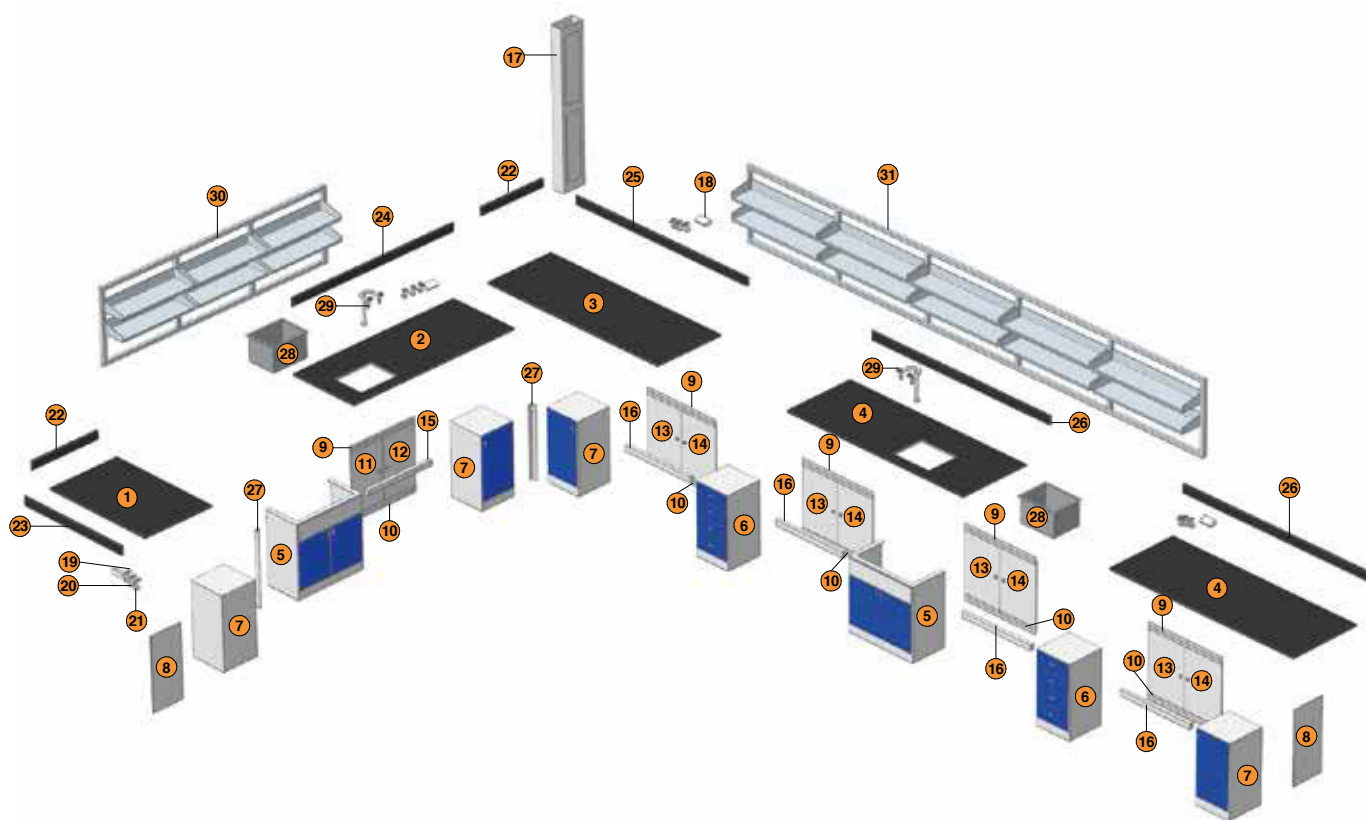


3D Drawing

Giving our clients a better perspective everytime.



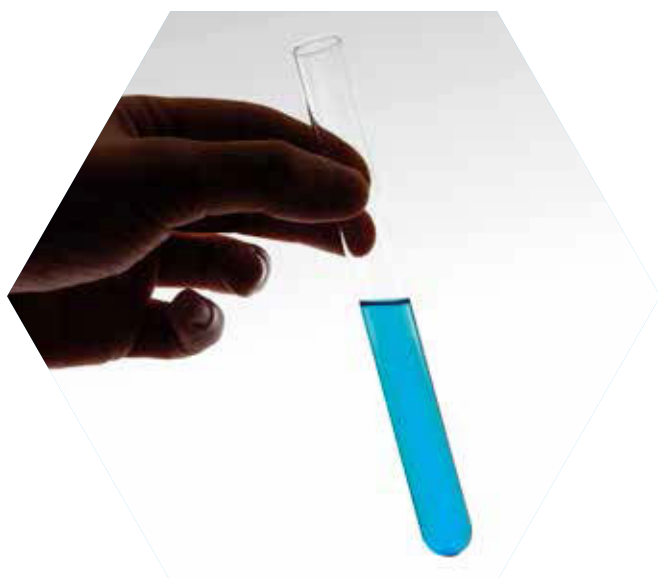
Explosion View



1. Worktop (L1400mm x D900mm) - 1 Pc
2. Worktop (L2240mm x D900mm) - 1 Pc
3. Worktop (L2490mm x D900mm) - 1 Pc
4. Worktop (L2480mm x D900mm) - 2 Pcs
5. Sink Cabinet (L900mm x D450mm) - 1 Pc
6. Drawer (L450mm x D450mm) - 2 Pcs
7. Single Cabinet (L450mm x D450mm) - 4 Pcs
8. Side Panel (L250mm x H880mm) - 2 Pcs
9. Top Sliding Track (L1117mm) - 5 Pcs
10. Bottom Sliding Track (L1117mm) - 5 Pcs
11. Left Sliding Panel (L508mm) - 1 Pc
12. Right Sliding Panel (L508mm) - 1 Pc
13. Left Sliding Panel (L558mm) - 4 Pcs
14. Right Sliding Panel (L558mm) - 4 Pcs
15. C Channel (L890mm) - 1 Pc
16. C Channel (L950mm) - 4 Pcs

17. Service Dropper (L300mm x D150mm x H1900mm) - 1 Pc
18. 13amp 2-Gang Switch Socket Outlets - 4 Pcs
19. 2 Way O2 Gas Tap - 4 Pcs
20. 2 Way N2 Gas Tap - 4 Pcs
21. 2 Way Compressed Air Tap - 4 Pcs
22. Side Splash (L881mm x H100mm) - 2 Pcs
23. Backsplash (L1400mm x H100mm) - 1 Pc
24. Backsplash (L2240mm x H100mm) - 1 Pc
25. Backsplash (L2490mm x H100mm) - 1 Pc
26. Backsplash (L2480mm x H100mm) - 2 Pcs
27. L Shape Panel (100mm x 100mm) - 2 Pcs
28. SS Sink (W500mm x D400mm x H300mm) - 2 Pcs
29. 2 Way Lab Tap - 2 Pcs
30. Wall Mounted Adjustable Shelving (L3100mm) - 1 Pc
31. Wall Mounted Adjustable Shelving (L6500mm) - 1 Pc

Ductless Hood Features



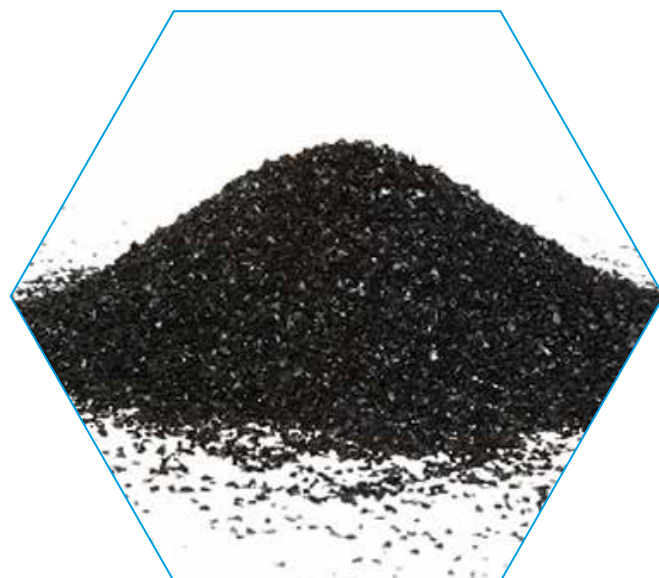
- Robust build
- Aerodynamic front fascia
- Industrial grade electrogalvanised steel construction
- Heavy epoxy powder coated finish to withstand harsh laboratory environments
- Light grey phenolic resin worktop.
- Purpose built light box external to airflow, preventing any corrosion and minimizing turbulence
- Electronic light ballast for flicker free usage and user eye comfort
- Counterbalanced sash assembly for years of trouble free use
- Tempered safety glass with Easygrip® hand rail
- Clear side panels for better visibility
- Stainless steel airfoil designed to maximize air sweep of work surface

Ductless Fume Handling

Fume hoods represent the primary line of defense for personnel from exposure to harmful, toxic and dangerous fumes or chemicals as they are produced.

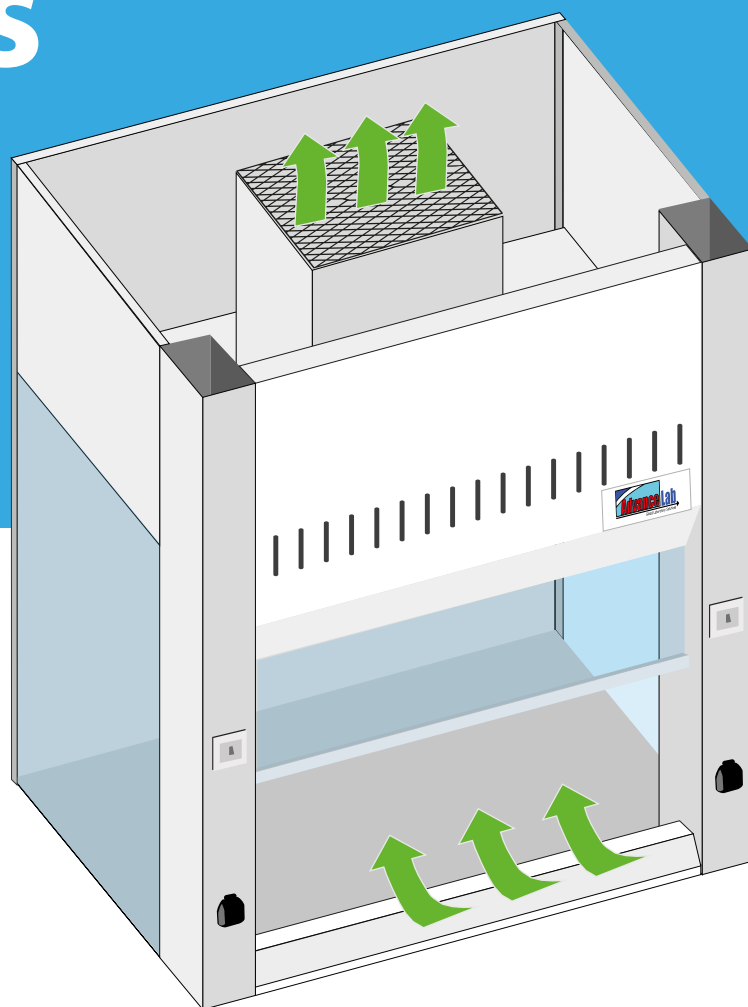
Advancelab ductless fume hoods have been manufactured to provide the highest levels of safety for laboratory personnel.

Activated carbon filters are suitable for a range of chemicals. Please contact our distributors / offices to help, in doubts selecting a suitable filter.



Ductless Fume Hood

AD Series



Ductless Fume Hoods

Models

MODEL	AD03FH-DC	AD04FH-DC	AD05FH-DC	AD06FH-DC
Dimensions, mm (LxWxH) Including base cabinet	920mm x 750mm x 2420mm	1220mm x 750mm x 2420mm	1520mm x 750mm x 2420mm	1820mm x 750mm x 2420mm
Body	Electrogalvanised steel with heavy epoxy powder coated finish			
Worktop	Phenolic resin, laboratory grade, light grey			
Airfoil	SS 304			
Standards Complied	ASHRAE 110-95 airflow requirements (0.5m/s +/- 20% as installed)			
Services	2 x Pre wired 13 Amp Switch socket outlets (BS)			
Controls	Fan ON/OFF switch Light ON/OFF switch			
Base (Optional)	Epoxy powder coated steel construction Castor wheels (Optional)			
Design Velocity	0.5 m/s at 500mm sash height			
Extract Volume at 500 mm Height Sash Opening	630 CMH	900 CMH	1170 CMH	1440 CMH

Activated Charcoal Filters

Our high performance filters are responsible for removing chemical fumes before it is recirculated back into the laboratory.

The use of activated carbon filters is dependent on the target chemical, the quantity handled and the frequency of use. General filters have broad retention but may be unsuitable heavy specific usage. Advancelab has a range of standard filters that are more common.



Advancelab CleanAll® Activated Carbon Filters

MODEL	TYPE	DESCRIPTION
CF01	General purpose	All common laboratory chemicals, non-specific
CF02	Acid + solvents	Organic, Inorganic acid, hydrocarbons
CF03	Aldehyde filter	Formaldehyde for hospital or pathology application
CF04	Bases	Ammines / Ammonia
HEPA CF05	High efficiency particulate arrestor, HEPA, 99.99% at 0.3µm (microns)	Removes particulates or aerosols

Accessories

Advancelab uses high quality fans that ensure airflow is achieved even as the filters are loaded. An optional microprocessor alarm can be installed for low flow warning.

There are 2 aspects to ductless fume hood monitoring:-

i) Face velocity - this can be measured using hot wire anemometer with 6 grids and multiple readings to reduce standard variation. Velocity is the speed of air entering the hood

ii) "Filter Saturation"

- "Filter Saturation" measures the loading of the activated carbon filter; whether it has absorbed all the media it can

Gas detection tubes can be used to challenge the filter

- using a suitable gas detection tube

Electronic filter saturation alarms using gas sensors can be

- installed for continues monitoring, this is however recommended for only the most stringent application due to cost consideration

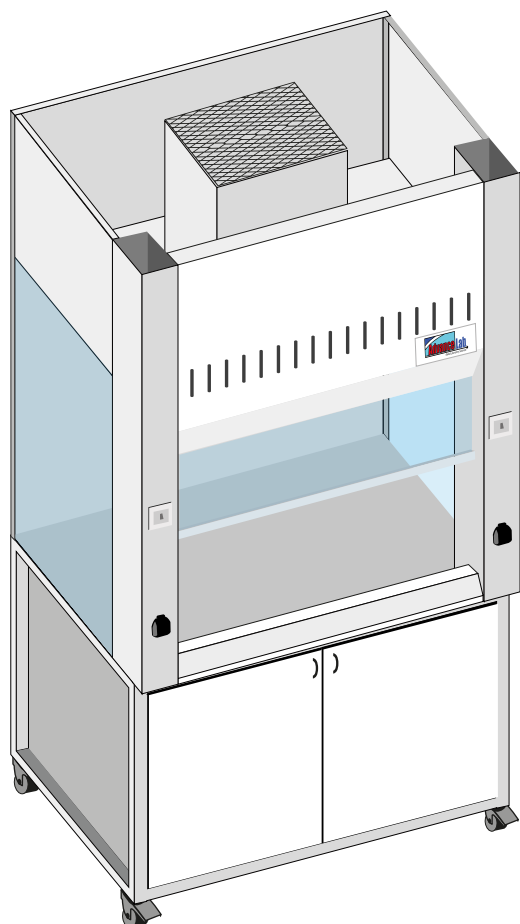


Gas detection tube



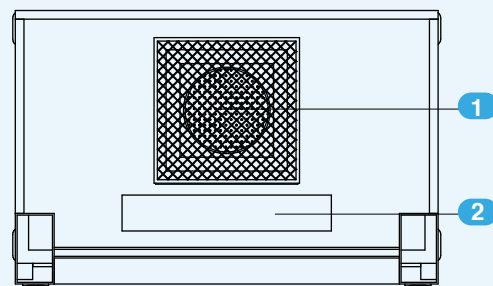
Gas sensor alarm

Parts



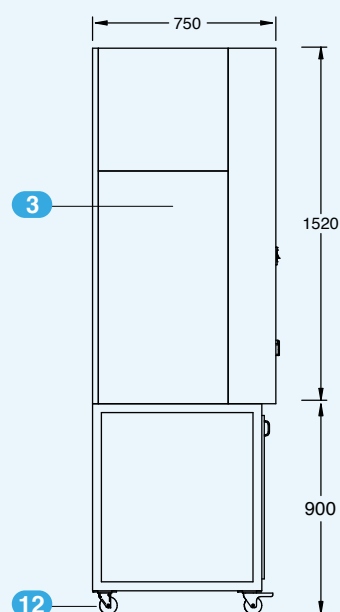
1. Activated Carbon Filter & Pre Filter
2. External Light Box
3. Acrylic Panels (Two Sides)
4. Phenolic Worktop
5. Fume Hood Front Panel
6. Tempered Glass Sash
7. Light ON/OFF Switch
8. Fan ON/OFF Switch
9. Stainless Steel 304 Airfoil
10. Electrical Outlets
11. Metal Base Cabinet (Optional)
12. Castor Wheels (Optional)

Top View

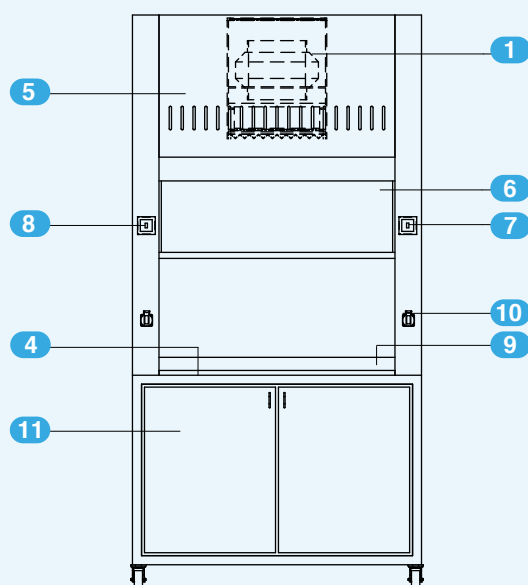


Ductless Fume Hoods

Side View



Front View



Options and Accessories

Superstructure

- Industrial Grade Electrogalvanised Steel (Standard)
- SS 304
- SS 316
- Polypropylene
- PVDF

Inner Liner Construction

- Phenolic Resin (Standard)
- SS 304
- SS 316
- Polypropylene
- PVDF

Work Top

- Phenolic Resin (Standard)
- Epoxy Resin, USA
- SS 304
- SS 316 L
- Polypropylene
- PVDF

Distillation Grid

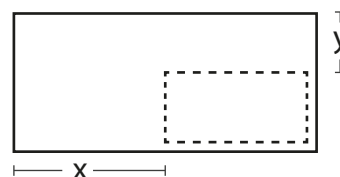
- Aluminium
- SS 304
- SS 316

Sink

- Drip Cup
 - Polypropylene (Optional)
- Custom Sink
 - SS 304
 - SS 316
 - Polypropylene (Hot Weld Construction)
 - Size: _____ mm (L x W x H)
please specify



- Location
x = _____ mm
y = _____ mm



Microprocessor Airflow Alarm

- Digital Display with Alarm



Services

- Compressed Air (CA)
- Distilled Water (DI)
- Nitrogen (N2)
- Oxygen (O2)
- Vacuum (Vac)
- Cold Water

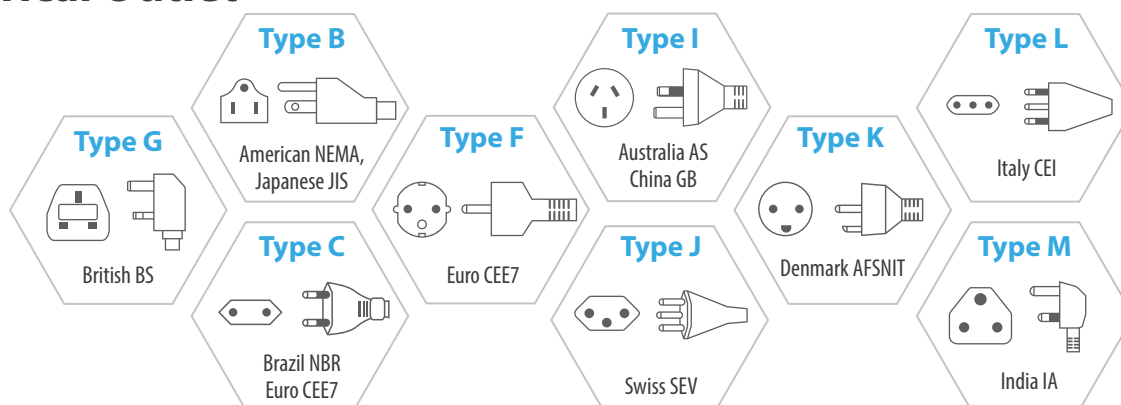
Ex Proof Configurations

- Ex proof lights
- Ex proof on/off switch

Please advice factory of details required

- Ex proof Electrical Sockets
- Ex proof electrical junction box

Electrical Outlet



Standard Hood Features

- Double layered design
- Aerodynamic front fascia
- Industrial grade galvanised steel construction
- Heavy epoxy powder coated finish to withstand harsh laboratory environments
- Phenolic resin inner liner and baffle with built in slots for efficient scavenging
- Dished epoxy resin worktop with high chemical and heat resistance, black
- Purpose built light box external to airflow, preventing any corrosion and minimizing turbulence
- Electronic light ballast for flicker free usage and user eye comfort
- Counterbalanced sash assembly for years of trouble free use
- Tempered safety glass with Easygrip® hand rail
- 2 side access panels built into inner liner for future addition of utilities
- Stainless steel airfoil designed to maximize air sweep of work surface
- All fume hoods comply to exhaust requirements and face velocity test as per ASHRAE 110-95; when ordered with control systems, units also comply to BS 7258 and EN 14175

Laboratory Fume Handling

Laboratory fume hoods or fume cupboards represent the primary line of defense for personnel against exposure to harmful, toxic and dangerous fumes or chemicals as they are produced.

“Fume hoods are essentially aerodynamic scavenging devices that remove dangerous fumes from a laboratory and expel it into the environment where it is sufficiently diluted to no longer pose a health risk.”

Advancelab Laboratory fume hoods have been manufactured to provide the highest levels of safety for laboratory personnel.

Fume hoods when sized with an appropriate chemical resistant centrifugal exhaust fan will protect laboratory staff from exposure to harmful fumes.

Please contact our distributors or offices to help or design an efficient exhaust system.



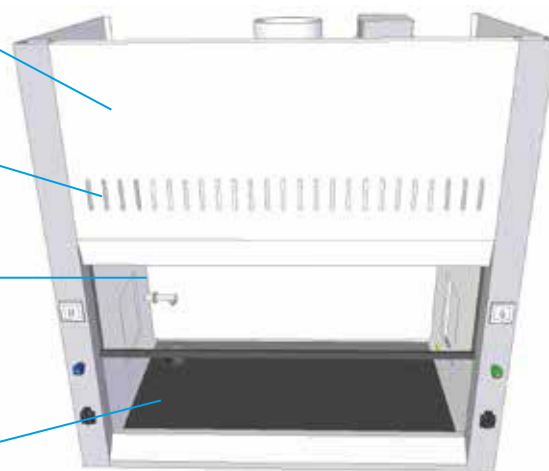
General Purpose Fume Hood AD Series

Heavy Epoxy Powder Coated Finish to Withstand Harsh Laboratory Environments

Industrial Grade Galvanised Steel Construction

Aerodynamic Front Fascia

Dished Epoxy Resin Worktop With Marine Edge, High Chemical and Heat Resistance, Black Color



Purpose Built Light Box External to Airflow, Preventing Any Corrosion and Minimizing Turbulence

Tempered Safety Glass With Easygrip Hand Rail

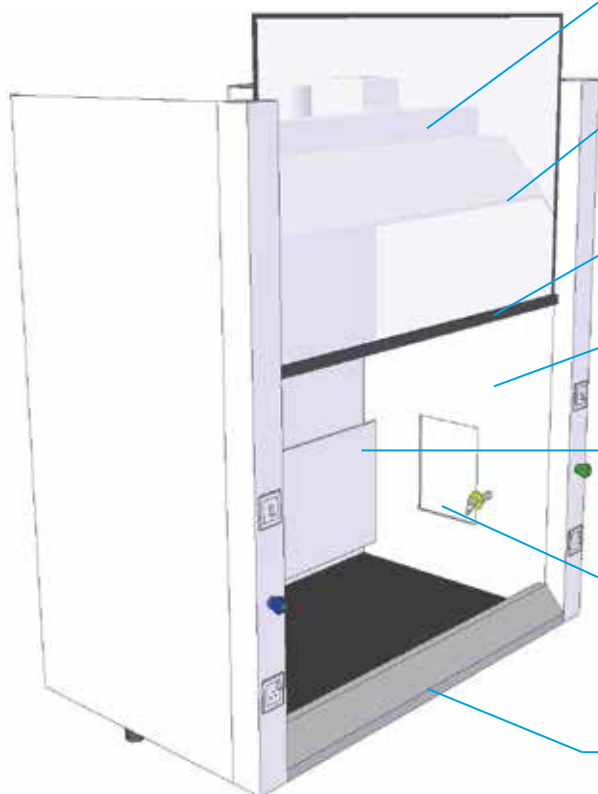
Counterbalanced Sash Assembly for Years of Trouble Free Use

Double Layer Design

Phenolic Resin Inner Liner and Baffle with Built In Slots for Efficient Scavenging

2 Side Access Panels Built Into Inner Liner for Future Addition of Utilities

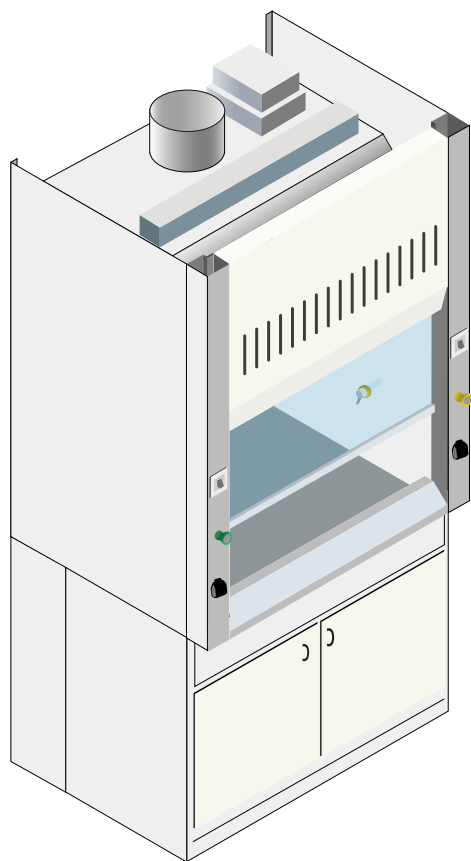
Stainless Steel Airfoil Designed to Maximize Air Sweep of Work Surface



Models

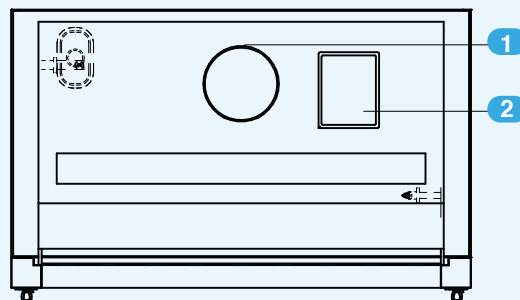
MODEL	AD04FH	AD05FH	AD06FH	AD08FH
Dimensions, mm (LxWxH) Including base cabinet	1220 mm x 920mm x 2420mm	1520mm x 920mm x 2420mm	1820mm x 920mm x 2420mm	2420mm x 920mm x 2420mm
Body	Electrogalvanised steel with heavy epoxy powder coated finish			
Worktop	Dished epoxy resin, black with marine edge			
Inner Liner & Baffle	Phenolic resin, laboratory grade			
Airfoil	SS 304			
Standards Complied	ASHRAE 110-95 BS 7258 (with Optional Controller) EN 14175 (with Optional Controller)			
Services	<ul style="list-style-type: none"> • 1 Pre Plumbed Cold Water Remote • 1 Pre plumbed Gas Remote • 2 x Pre wired 13 Amp Switch socket outlets (BS) • 1 PP Cup Sink 			
Controls	Fan ON/OFF switch Light ON/OFF switch			
Base	Epoxy powder coated steel construction			
Duct Collar	200 mm	250 mm	300 mm	300 mm x 2
Design Velocity	0.5 m/s at 500mm sash height			
Extract Volume at 500 mm Height Sash Opening	1188 CMH	1512 CMH	1836 CMH	2481 CMH

Parts

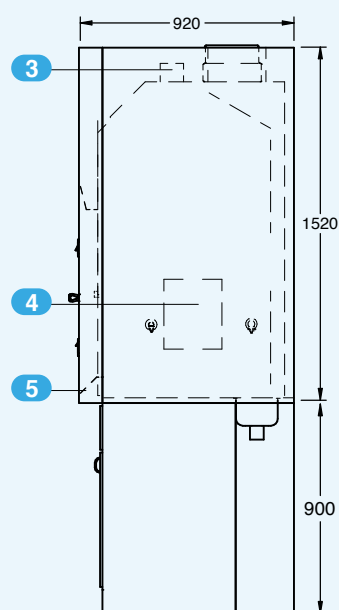


1. PVC Exhaust Collar
2. Electrical Junction Box
3. External Light Box
4. Side Access Panel
5. Stainless Steel 304 Airfoil
6. Removable Front Panel
7. Tempered Glass Sash
8. PP Cup Sink
9. Epoxy Resin Worktop
10. Fan ON/OFF Switch
11. Light ON/OFF Switch
12. Gas Fixture Remote
13. Water Fixture Remote
14. Gas Faucet
15. Water Faucet
16. Electrical Outlets

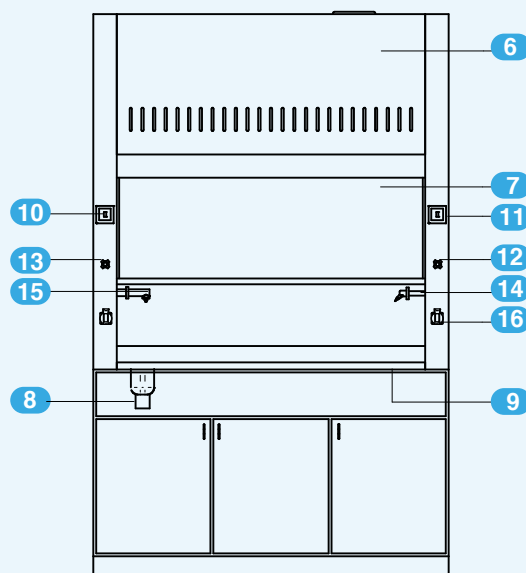
Top View



Side View



Front View



Options and Accessories

Inner Liner Construction

- Phenolic Resin (Standard)
- SS 304
- SS 316
- Polypropylene
- PVDF

Work Top

- Epoxy Resin, USA (Standard)
- Phenolic Resin
- SS 304
- SS 316 L
- Polypropylene
- PVDF

Distillation Grid

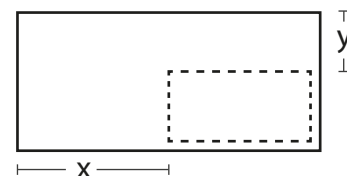
- Aluminium
- SS 304
- SS 316

Sink

- Drip Cup
 - Polypropylene (Standard)
- Custom Sink
 - SS 304
 - SS 316
 - Polypropylene (Hot Weld Construction)
 - Size: _____ mm (L x W x H)
please specify



- Location
x = _____ mm
y = _____ mm



Microprocessor Airflow Alarm

- Digital Display with Alarm
- Digital Display with Alarm & VAV/VSD Output



Services

- Compressed Air (CA)
- Distilled Water (DI)
- Nitrogen (N2)
- Oxygen (O2)
- Vacuum (Vac)

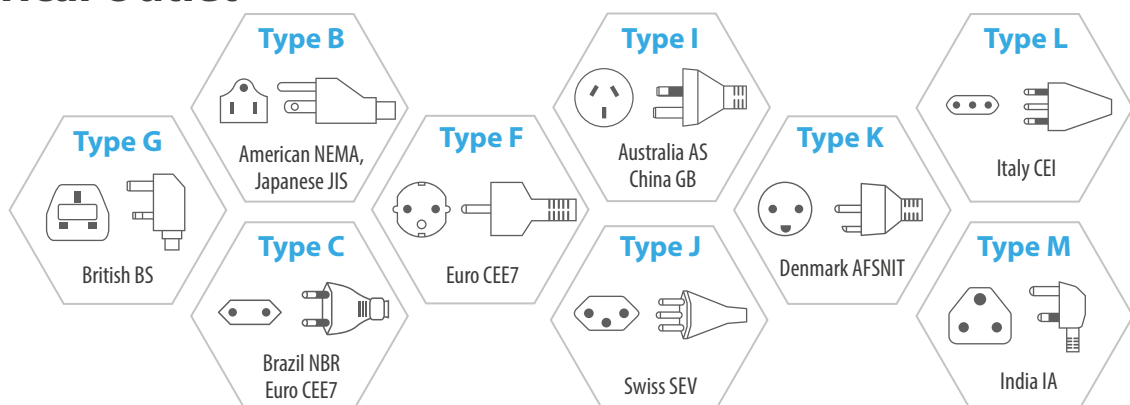
Ex Proof Configurations

- Ex proof lights
- Ex proof on/off switch

Please advice factory of details required

- Ex proof Electrical Sockets
- Ex proof electrical junction box

Electrical Outlet

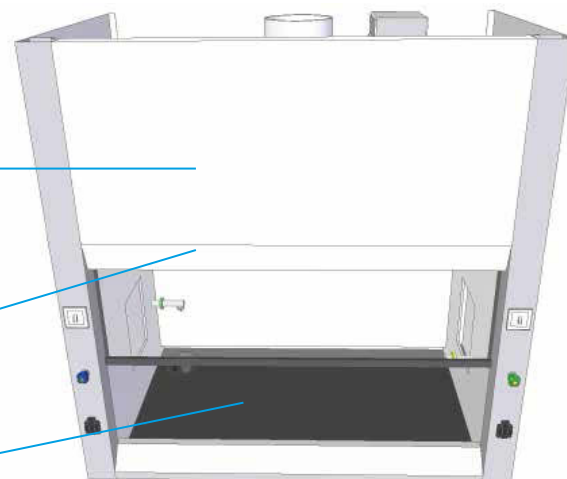


Polypropylene Fume Hood AD Series

Full Polypropylene hot weld construction

Aerodynamic Front Fascia

Dished Epoxy Resin Worktop With Marine Edge, High Chemical and Heat Resistance, Black



Purpose Built Light Box External to Airflow, Preventing Any Corrosion and Minimizing Turbulence

Tempered Glass With Easygrip Hand Rail

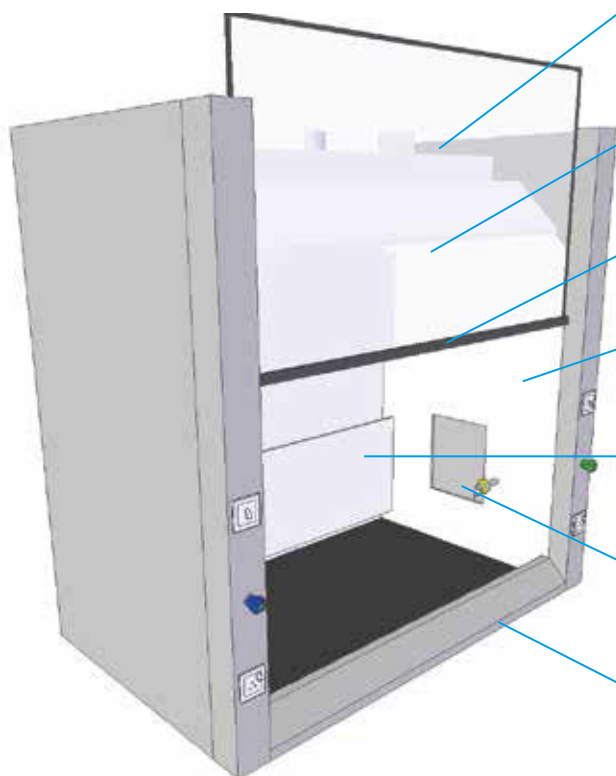
Counterbalanced Sash Assembly for Years of Trouble Free Use

Double Layer Design

Polypropylene Inner Liner and Baffle with Built In Slots for Efficient Scavenging

2 Side Access Panels Built Into Inner Liner for Future Addition of Utilities

Polypropylene Airfoil Designed to Maximize Air Sweep of Work Surface

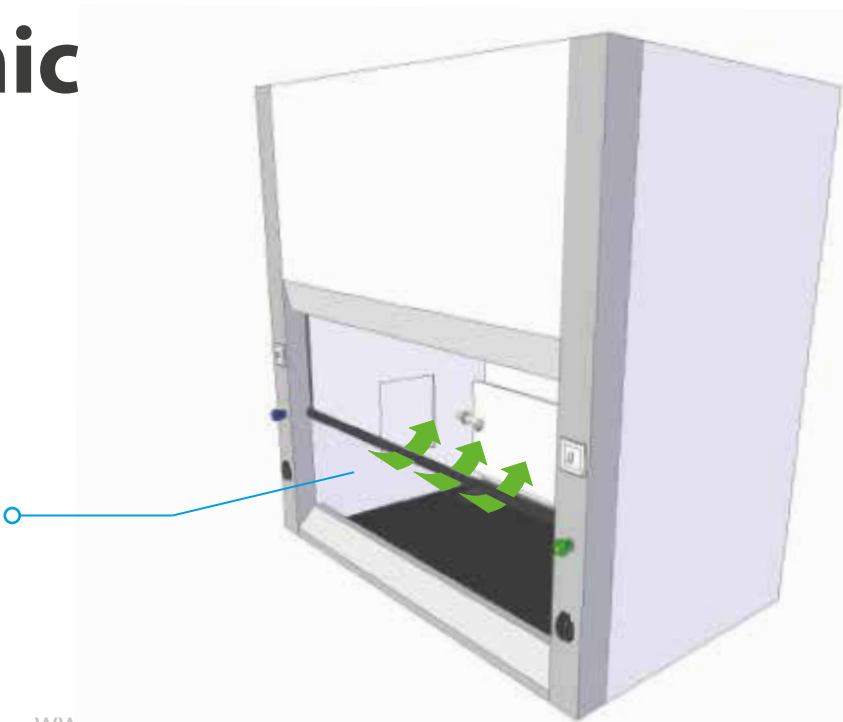


Models

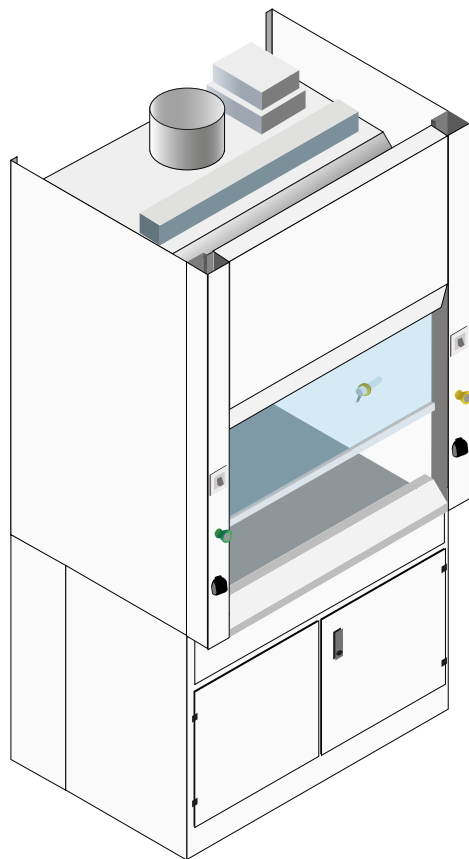
MODEL	AD04FH-PP	AD05FH-PP	AD06FH-PP	AD08FH-PP
Dimensions, mm (LxWxH) Including base cabinet	1220mm x 920mm x 2420mm	1520mm x 920mm x 2420mm	1820mm x 920mm x 2420mm	2420mm x 920mm x 2420mm
Body	Full Polypropylene (PP) hot weld construction			
Worktop	Dished epoxy resin, black with marine edge			
Inner Liner & Baffle	Polypropylene			
Airfoil	Polypropylene			
Standards Complied	ASHRAE 110-95 BS 7258 (with Optional Controller) EN 14175 (with Optional Controller)			
Services	<ul style="list-style-type: none"> • 1 Pre Plumbed Cold Water Remote • 1 Pre plumbed Gas Remote • 2 x Pre wired 13 Amp Switch socket outlets (BS) • 1 PP Cup Sink 			
Controls	Fan ON/OFF switch Light ON/OFF switch			
Base	Standard Polypropylene base cabinet			
Duct Collar	200 mm	250 mm	300 mm	300 mm x 2
Design Velocity	0.5 m/s at 500mm sash height			
Extract Volume at 500 mm Height Sash Opening	1188 CMH	1512 CMH	1836 CMH	2481 CMH

Ergonomic Sash Handle

Gently directs air into the hood without sacrificing visibility.

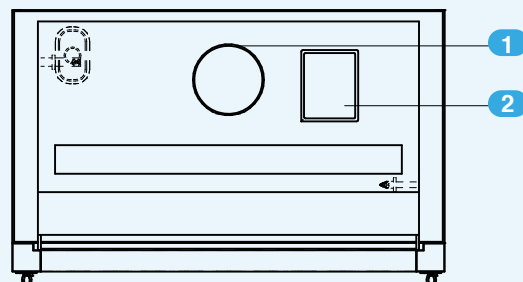


Parts

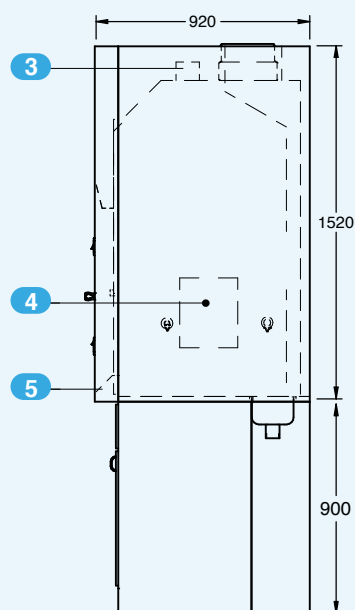


1. PVC Exhaust Collar
2. Electrical Junction Box
3. External Light Box
4. Side Access Panel
5. Polypropylene Airfoil
6. Removable Front Panel
7. Tempered Glass Sash
8. PP Cup Sink
9. Epoxy Resin Worktop
10. Fan ON/OFF Switch
11. Light ON/OFF Switch
12. Gas Fixture Remote
13. Water Fixture Remote
14. Gas Faucet
15. Water Faucet
16. Electrical Outlets

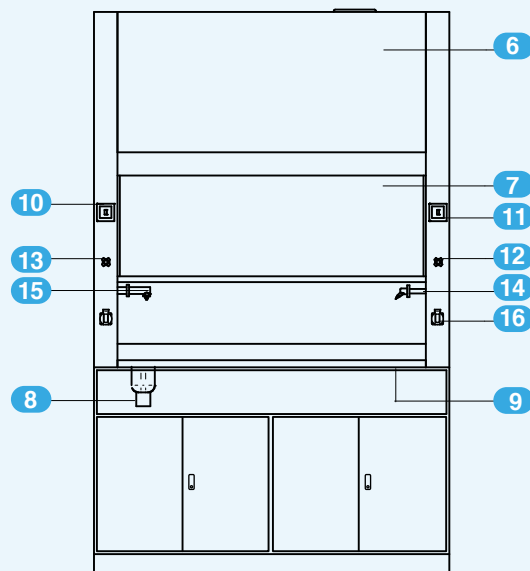
Top View



Side View



Front View



Options and Accessories

Superstructure

- Polypropylene
- PVDF

Inner Liner Construction

- Polypropylene (Standard)
- PVDF

Work Top

- Epoxy Resin, USA (Standard)
- Polypropylene
- PVDF

Distillation Grid

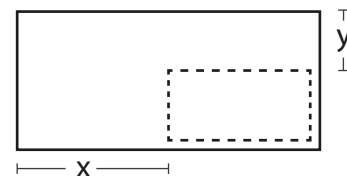
- Aluminium
- SS 304
- SS 316

Sink

- Drip Cup
 - Polypropylene (Standard)
- Custom Sink
 - Polypropylene (Hot Weld Construction)
 - Size: _____ mm (L x W x H)
please specify



- Location
x = _____ mm
y = _____ mm



Microprocessor Airflow Alarm

- Digital Display with Alarm
- Digital Display with Alarm & VAV/VSD Output



Services

- Compressed Air (CA)
- Distilled Water (DI)
- Nitrogen (N2)
- Oxygen (O2)
- Vacuum (Vac)

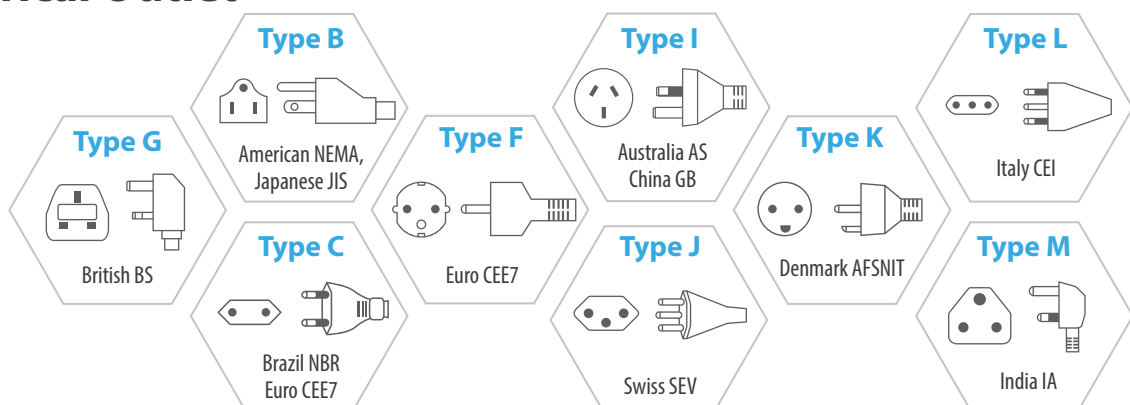
Ex Proof Configurations

- Ex proof lights
- Ex proof on/off switch

Please advice factory of details required

- Ex proof Electrical Sockets
- Ex proof electrical junction box

Electrical Outlet



Features

Perchloric Acid Fume Hood

Advancelab manufactures market leading perchloric acid fume hoods that are robustly built to exacting standards for your peace of mind and safety.

- Fully welded Polypropylene construction
- European origin polypropylene material Rochling or Simona
- Built-in spray bar behind baffle to prevent build up of perchloratesalts
- Chemical resistant pump by IWAKI Japan
- Removable holding tank for cleaning
- Skid below tank for spills
- Easy access to tank and pump



Polycarbonate With Easygrip Hand Rail

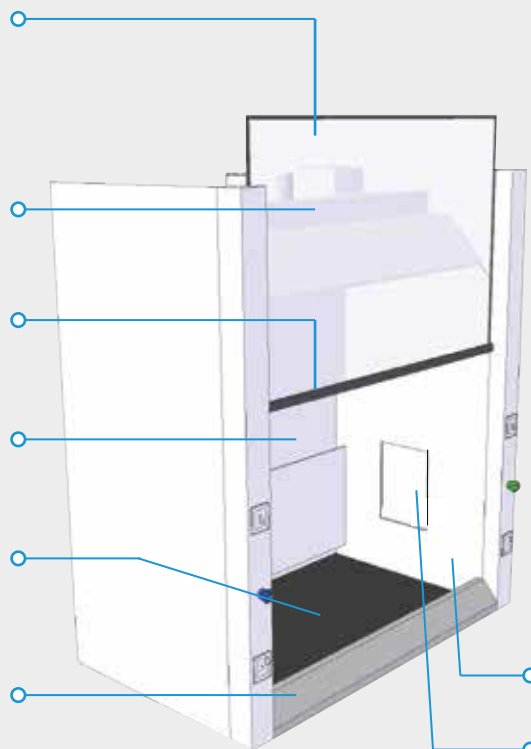
Purpose Built Light Box External to Airflow, Preventing Any Corrosion and Minimizing Turbulence

Counterbalanced Sash Assembly for Years of Trouble Free Use

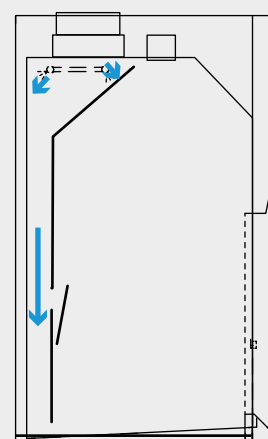
Polypropylene Inner Liner and Baffle with Built In Slots for Efficient Scavenging

Dished Epoxy Resin Worktop With, High Chemical and Heat Resistance, Black

Polypropylene Airfoil Designed to Maximize Air Sweep of Work Surface



Internal Wash-down Water Flow Illustration



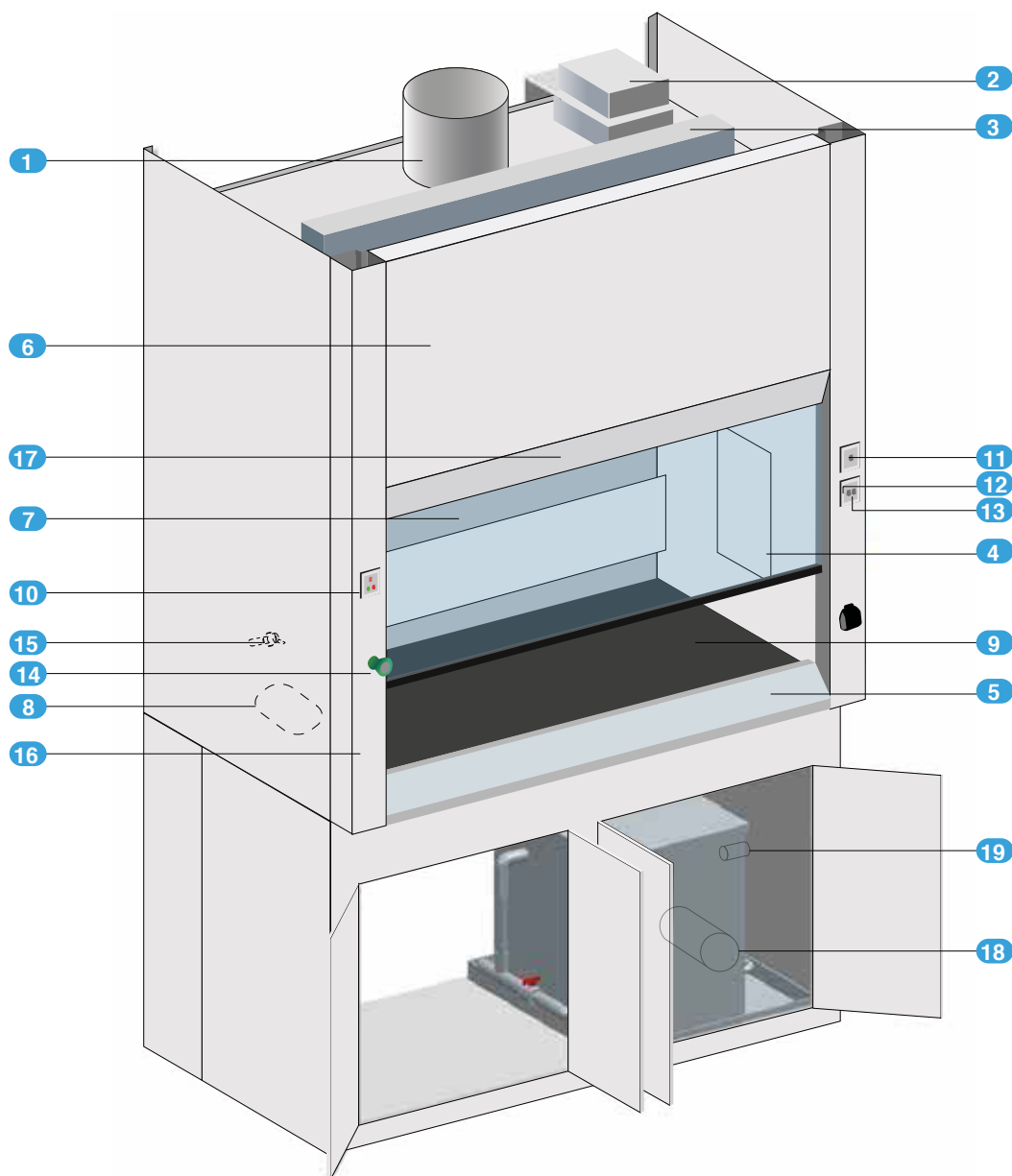
Double Layered Fume Hood Design

2 Side Access Panels Built Into Inner Liner for Future Addition of Utilities

Technical Specifications

MODEL	AD04FH-PP-PCH	AD05FH-PP-PCH	AD06FH-PP-PCH	AD08FH-PP-PCH
Dimensions, mm (LxWxH) Including base cabinet	1220 mm x 920mm x 2420mm	1520mm x 920mm x 2420mm	1820mm x 920mm x 2420mm	2420mm x 920mm x 2420mm
Body	Full Polypropylene hot weld construction			
Worktop	19mm dished black epoxy resin include marine edge			
Inner Liner & Baffle	Polypropylene			
Airfoil	Polypropylene			
Standards Complied	ASHRAE 110-95 BS 7258 (with Optional Controller) EN 14175 (with Optional Controller)			
Services	<ul style="list-style-type: none">• 1 no. Pre Plumbed Cold Water Remote• 1 no. PP Cup Sink		<ul style="list-style-type: none">• 2 nos. Pre wired power sockets• Spray bar behind baffle	
Controls	<ul style="list-style-type: none">• Fan ON/OFF switch• Light ON/OFF switch		<ul style="list-style-type: none">• Wet Scrubber Pump (WSP) ON/OFF switch• Internal Wash-down System (IWS) ON/OFF switch	
Base	Standard Polypropylene base cabinet			
Duct Collar	200 mm	250 mm	300 mm	300 mm x 2
Design Velocity	0.5 m/s at 500mm sash height			
Extract Volume at 500mm Height Sash Opening	1188 CMH	1512 CMH	1836 CMH	2481 CMH

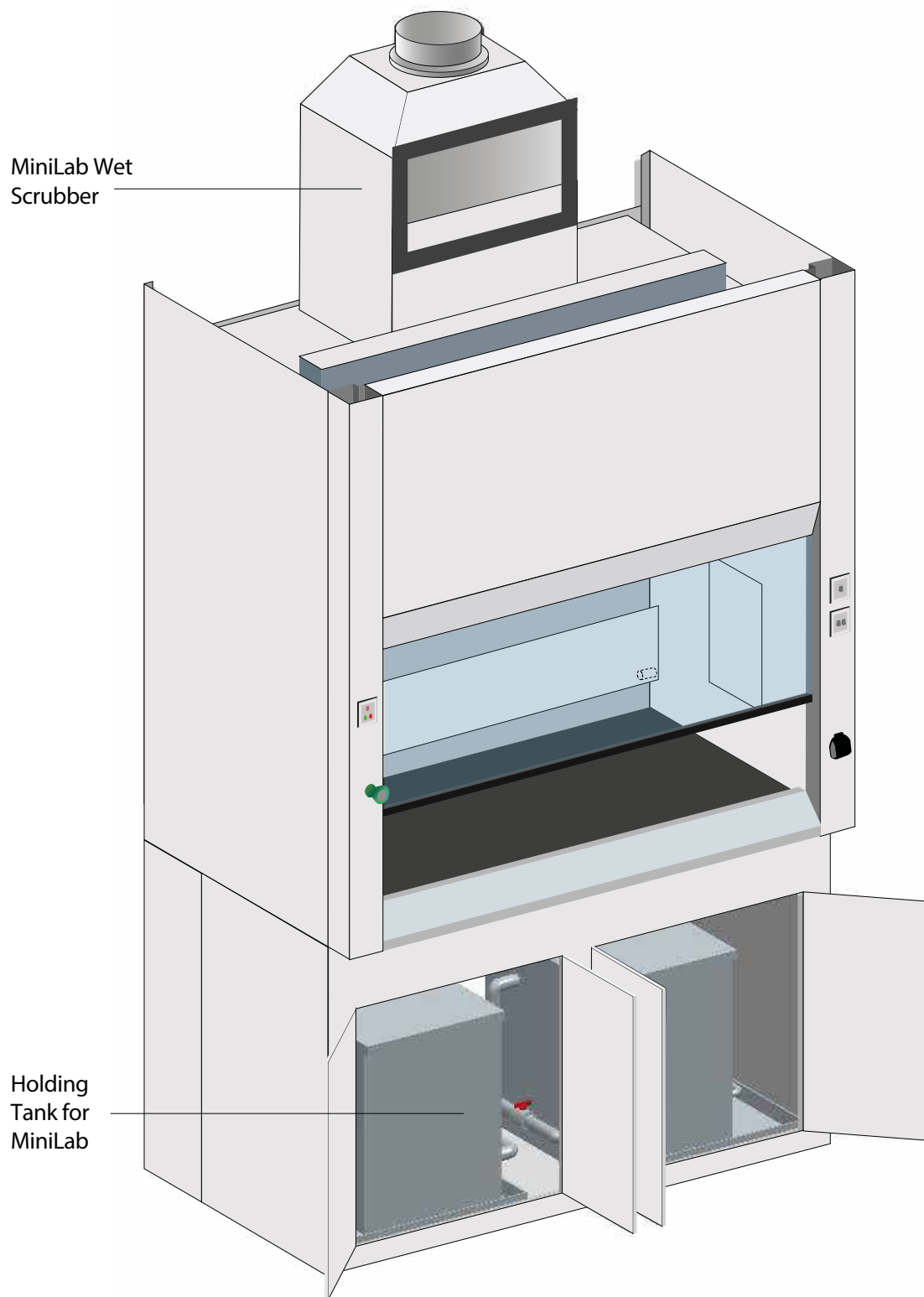
Parts



- | | |
|--|--|
| 1. PVC Exhaust Collar | 12. Wet Scrubber Pump ON/OFF Switch (Optional) |
| 2. Electrical Junction Box | 13. Internal Wash System ON/OFF Switch |
| 3. External Light Box | 14. Water Fixture Remote |
| 4. Side Access Panel | 15. Water Faucet |
| 5. Polypropylene Airfoil | 16. Electrical Outlets |
| 6. Polypropylene Removable Front Panel | 17. Aerodynamic Front Fascia |
| 7. Tempered Glass Sash | 18. Pump Connected To Spray Bar (IWS) |
| 8. Polypropylene Cup Sink | 19. Water Inlets |
| 9. Epoxy Resin Worktop | |
| 10. Fan ON/OFF Switch | |
| 11. Light ON/OFF Switch | |

Parts

With Optional MiniLab Wet Scrubber



Options & Accessories

Superstructure

Polypropylene
PVDF

Distillation Grid

- Aluminium
- SS 304
- SS 316

Microprocessor Airflow Alarm

- Digital Display with Alarm
- Digital Display with Alarm & VAV/VSD Output

Services

- Compressed Air (CA)
- Distilled Water (DI)
- Nitrogen (N2)
- Oxygen (O2)
- Vacuum (Vac)



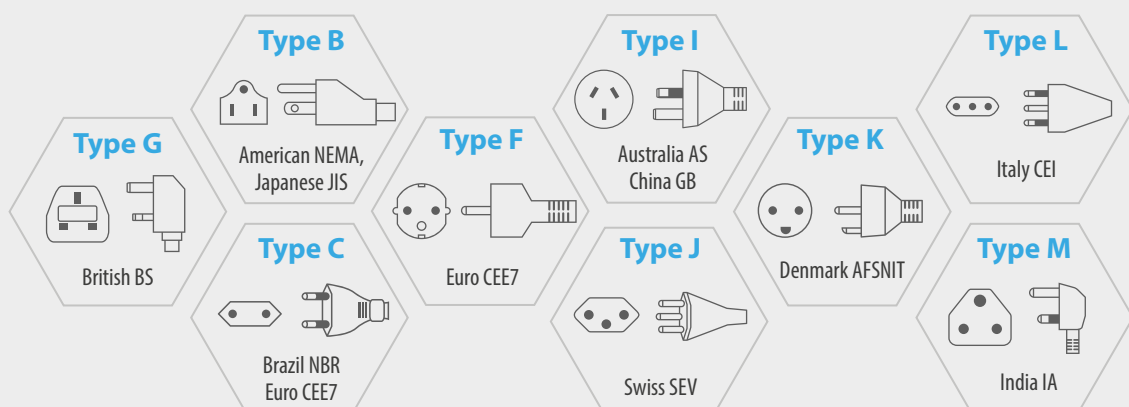
Ex Proof Configurations

- Ex proof lights
- Ex proof on/off switch

Please advices factory of details required

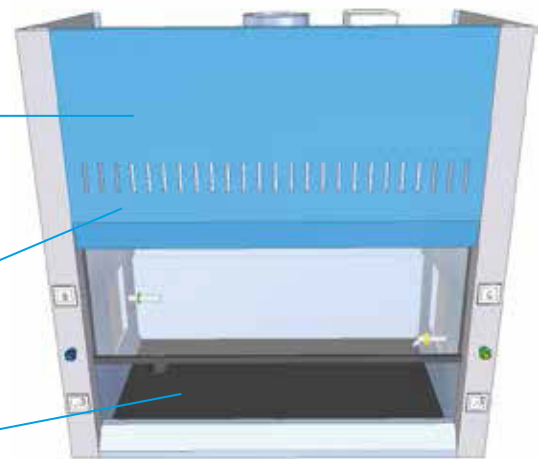
- Ex proof Electrical Sockets
- Ex proof electrical junction box

Power Socket Standards

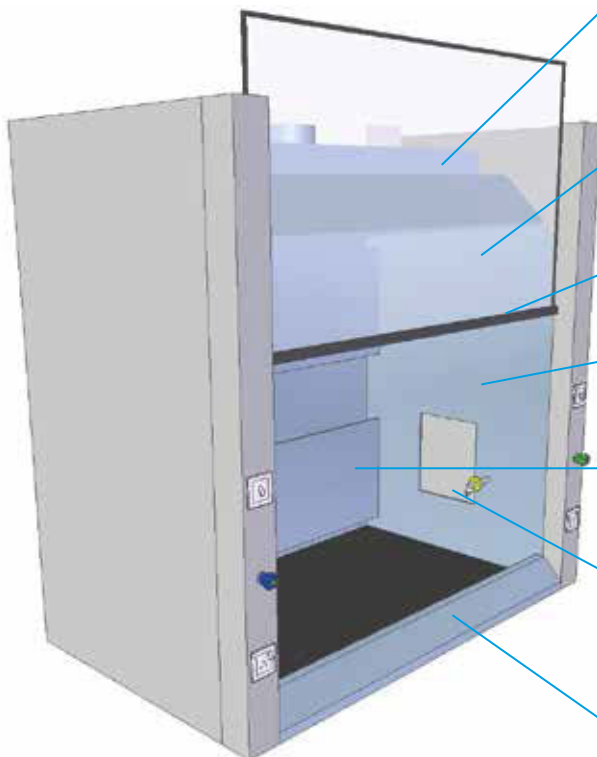


Stainless Steel Fume Hood AD Series

- Stainless Steel Construction
- Aerodynamic Front Fascia
- Stainless Steel 304 Worktop



- Purpose Built Light Box External to Airflow, Preventing Any Corrosion and Minimizing Turbulence
- Tempered Safety Glass With Easygrip Hand Rail
- Counterbalanced Sash Assembly for Years of Trouble Free Use
- Double Layer Design
- Stainless Steel Inner Liner and Baffle with Built In Slots for Efficient Scavenging
- 2 Side Access Panels Built Into Inner Liner for Future Addition of Utilities
- Stainless Steel Airfoil Designed to Maximize Air Sweep of Work Surface

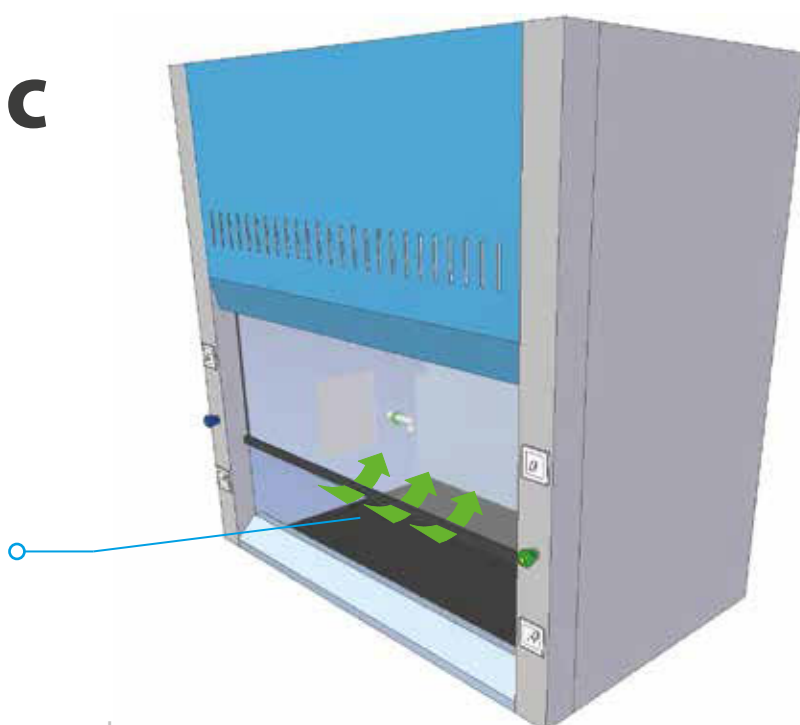


Models

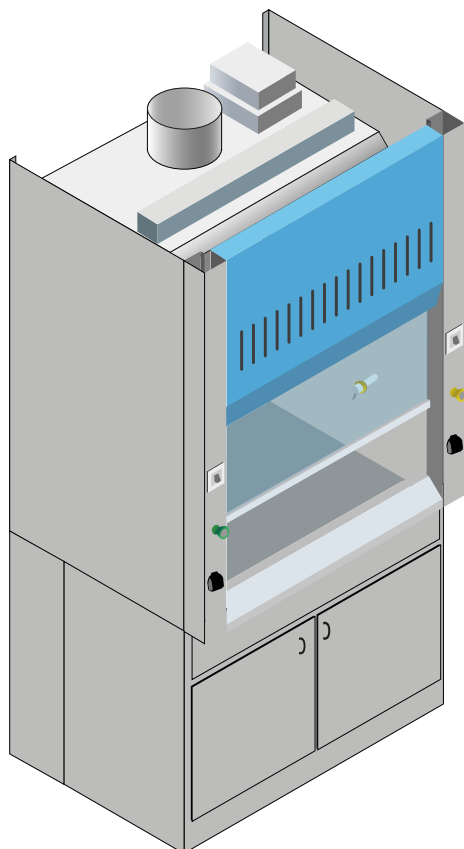
MODEL	AD04FH-SS	AD05FH-SS	AD06FH-SS	AD08FH-SS
Dimensions, mm (LxWxH) Including base cabinet	1220mm x 920mm x 2420mm	1520mm x 920mm x 2420mm	1820mm x 920mm x 2420mm	2420mm x 920mm x 2420mm
Body	Stainless Steel			
Worktop	Stainless Steel			
Inner Liner & Baffle	Stainless Steel			
Airfoil	Stainless Steel			
Standards Complied	ASHRAE 110-95 BS 7258 (with Optional Controller) EN 14175 (with Optional Controller)			
Services	<ul style="list-style-type: none"> • 1 Pre Plumbed Cold Water Remote • 1 Pre Plumbed Gas Remote • 2 x Pre wired 13 Amp Switch socket outlets (BS) • 1 Stainless Steel Custom Sink 			
Controls	Fan ON/OFF switch Light ON/OFF switch			
Base	Stainless Steel			
Duct Collar	200 mm	250 mm	300 mm	300 mm x 2
Design Velocity	0.5 m/s at 500mm sash height			
Extract Volume at 500 mm Height Sash Opening	1188 CMH	1512 CMH	1836 CMH	2481 CMH

Ergonomic Sash Handle

Gently directs air into the hood without sacrificing visibility.

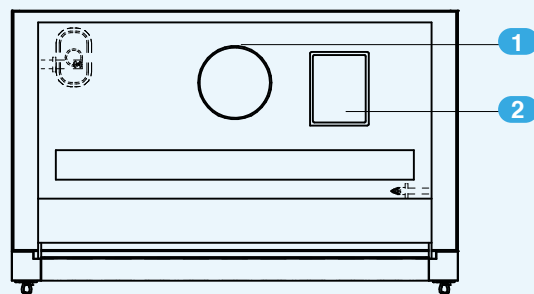


Parts

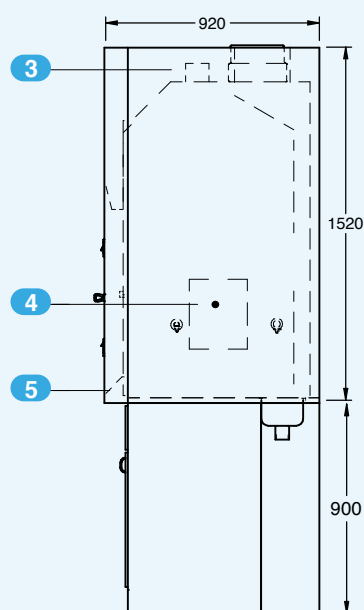


1. PVC Exhaust Collar
2. Electrical Junction Box
3. External Light Box
4. Side Access Panel
5. Stainless Steel 304 Airfoil
6. Removable Front Panel
7. Tempered Glass Sash
8. SS Custom Sink
9. SS Worktop
10. Fan ON/OFF Switch
11. Light ON/OFF Switch
12. Gas Fixture Remote
13. Water Fixture Remote
14. Gas Faucet
15. Water Faucet
16. Electrical Outlets

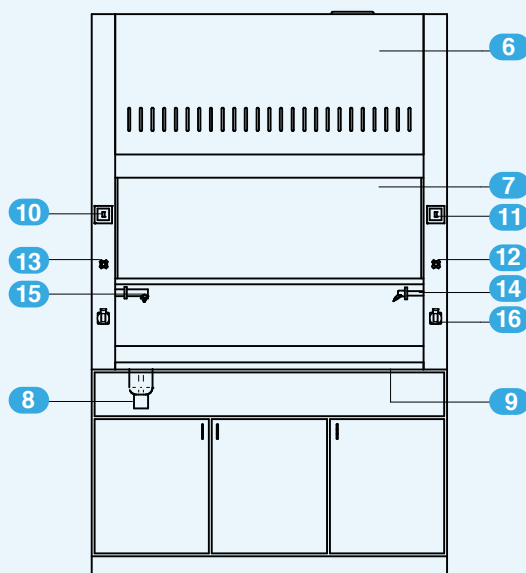
Top View



Side View



Front View



Stainless Steel Fume Hoods

Options and Accessories

Superstructure

- SS 304, 4B
- SS 304, 2B
- SS 316

Inner Liner Construction

- SS 304, 4B
- SS 304, 2B
- SS 316

Work Top

- SS 304, 4B
- SS 304, 2B
- SS 316

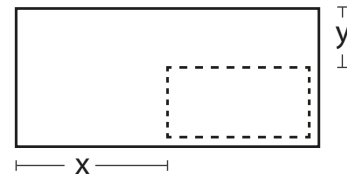
Distillation Grid

- Aluminium
- SS 304
- SS 316

Sink

- Custom Sink
 - SS 304
 - SS 316
 - Size: _____ mm (L x W x H)
please specify

- Location
 - x = _____ mm
 - y = _____ mm



Microprocessor Airflow Alarm

- Digital Display with Alarm
- Digital Display with Alarm & VAV/VSD Output



Services

- Compressed Air (CA)
- Distilled Water (DI)
- Nitrogen (N2)
- Oxygen (O2)
- Vacuum (Vac)

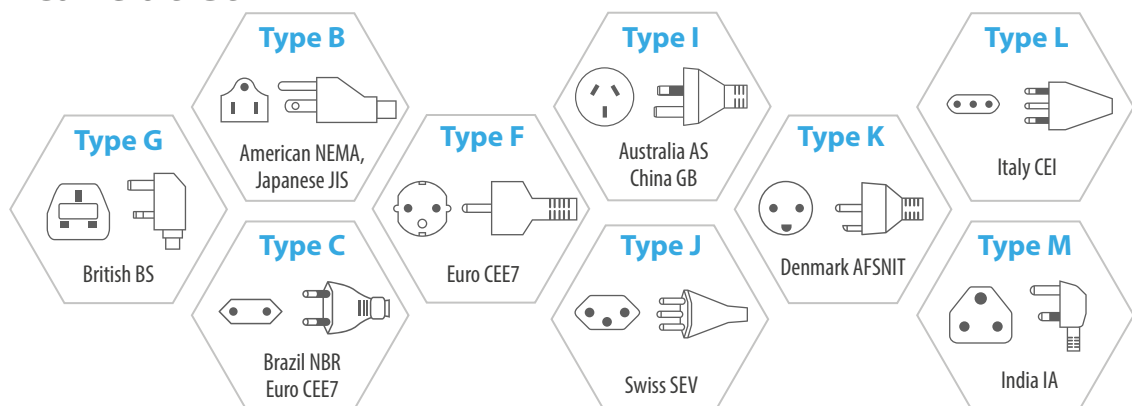
Ex Proof Configurations

- Ex proof lights
- Ex proof on/off switch

- Ex proof Electrical Sockets
- Ex proof electrical junction box

Please advice factory of details required

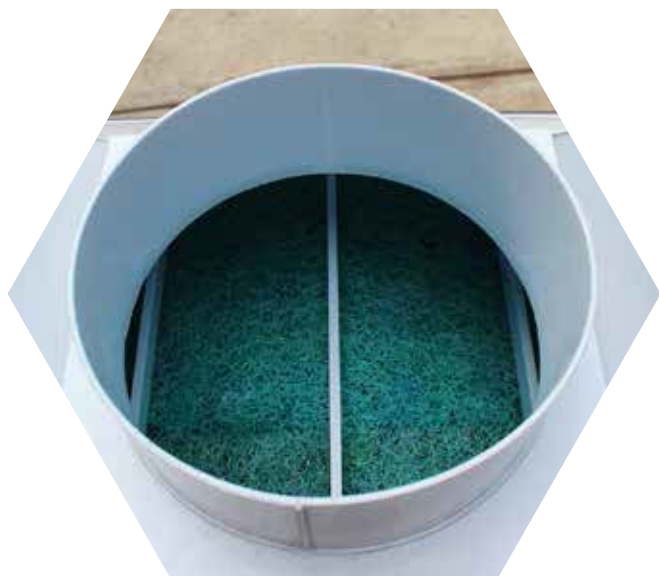
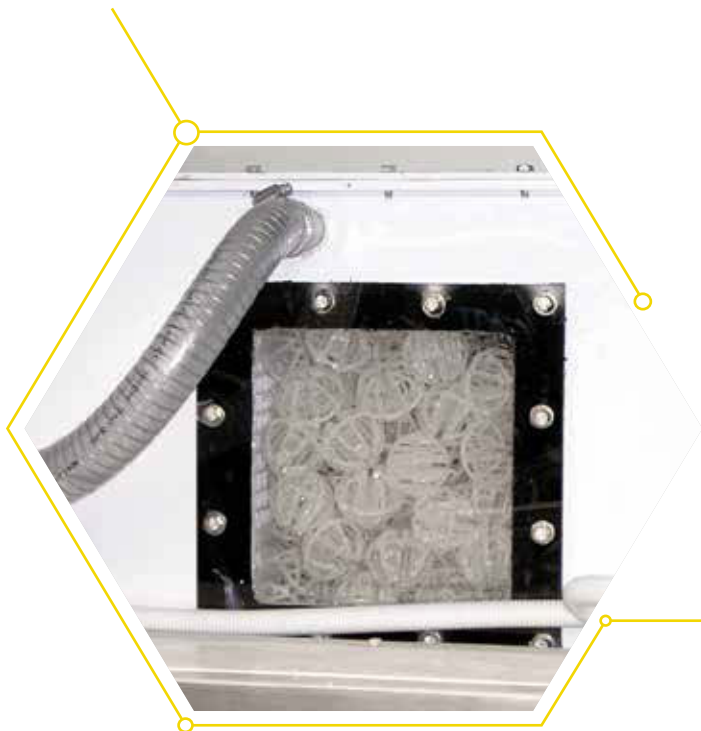
Electrical Outlet



WET SCRUBBER



Wet Scrubber Features



Wet scrubbers are designed to remove water-soluble compounds from exhaust streams. Advancelab manufactures two types:

MiniLab® - a closed system comprising of a scrubber unit mounted above the fume hood and a holding tank below

MaxiLab® - a stand-alone unit that can be remotely located

MiniLab® can be utilised for individual hoods only. They allow flexibility and are convenient to install.

MaxiLab® can be used for a series of hoods and are available in two sizes for this application.

Units can be manufactured in PVC or PP sheet utilizing "hot weld" fabrication. All units come with a chemical resistant pump, sanitary and water connections and a skid tray where specified.



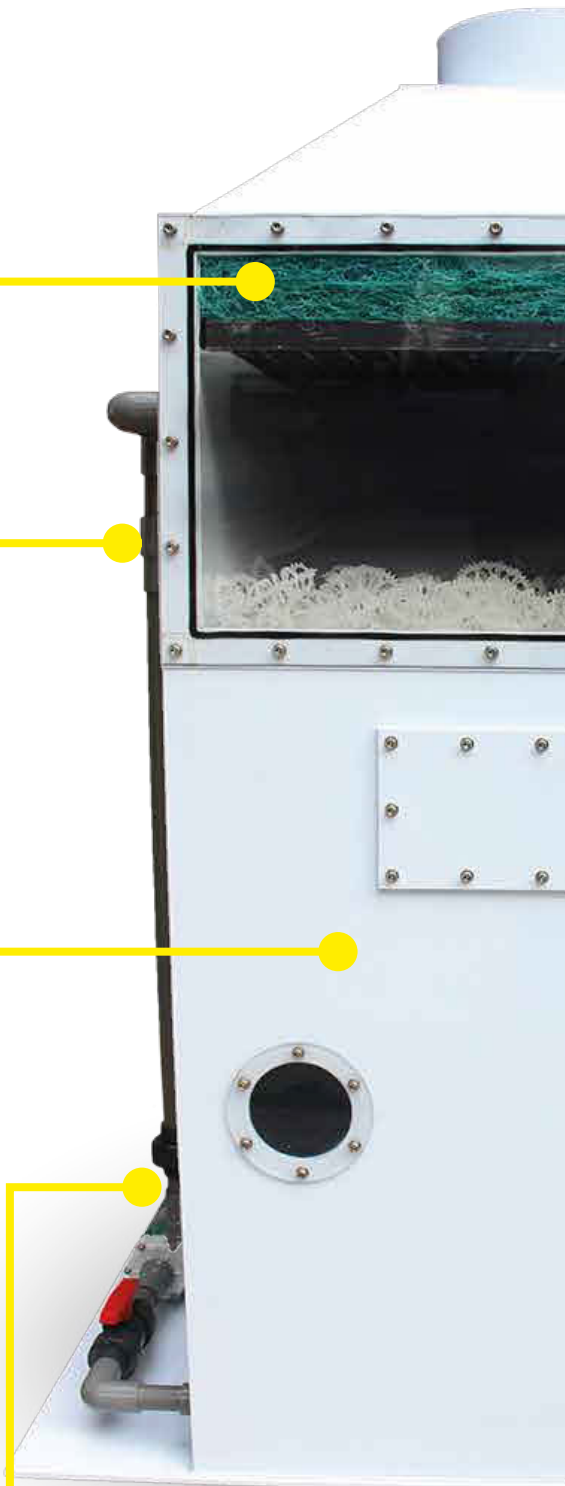
Demister



Auto water top-up



Chemical resistant pump





Full cone nozzles



**PP injection
moulded balls for
high surface area
to volume ratios**



Quality fittings



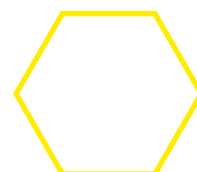
Models

MODEL	MINILAB®	MAXILAB®1000	MAXILAB®2000
Description	2 part system <ul style="list-style-type: none"> • Mini Scrubber (above hood) • Holding Tank (in base cabinet) 	Stand alone	Stand alone
Dimensions, mm (L x D x H)	Mini Scrubber <ul style="list-style-type: none"> • 600mm x 600mm x 800mm Holding Tank <ul style="list-style-type: none"> • 1000mm x 500mm x 500mm 	<ul style="list-style-type: none"> • 700mm x 700mm x 1500mm Excluding skid and plumbing connections	<ul style="list-style-type: none"> • 900mm x 900mm x 1800mm Excluding skid and plumbing connections
Construction	PVC or PP using "hot melt" fabrication techniques		
Scrubbing Media	Tellerettes® Tower Packing - has a unique patented toroidal helix design that makes them dramatically more efficient than conventional packings in a wide range of mass transfer and particulate collections applications <ul style="list-style-type: none"> • High solid particle loading • Constantly renews and exposes liquid to the gas flow • High efficiency • Injection moulded Polypropylene 		
Mist Eliminators	Advancelab mist eliminators remove liquid entrainment from gas streams, providing high efficiency and low-pressure drops		
Viewing Windows	1	2	2
Chemical Pump	Included		
Duct Connections	250 mm	250 mm	Please advise factory



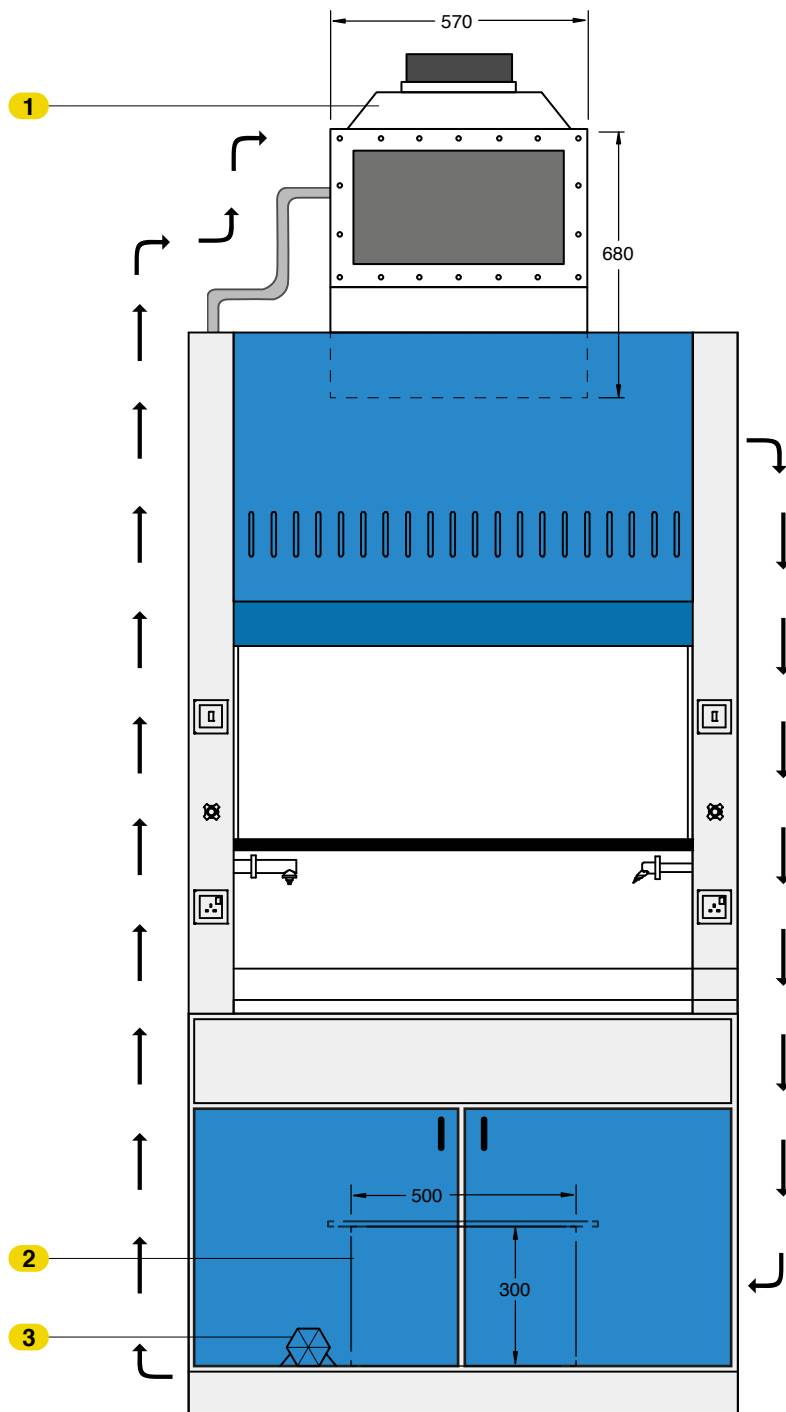
Upgrades available include:

- On-line pH apparatus
- Mixers
- Dosing pumps
- Remote control panels
- Building Management system tie in
- Maintenance programmes, please check with factory or local distributor



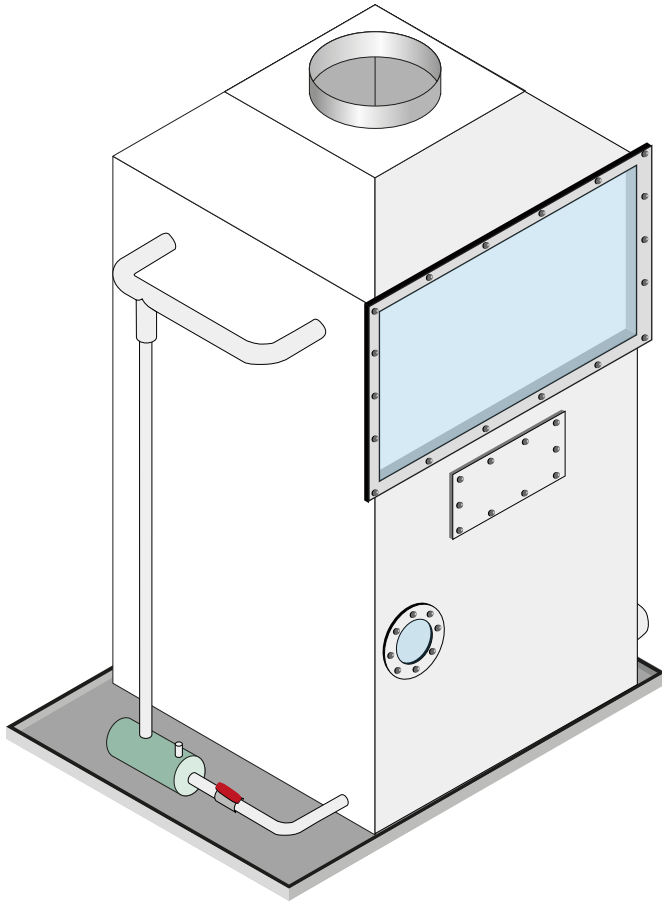
MiniLab[®] Wet Scrubber

Wet Scrubber



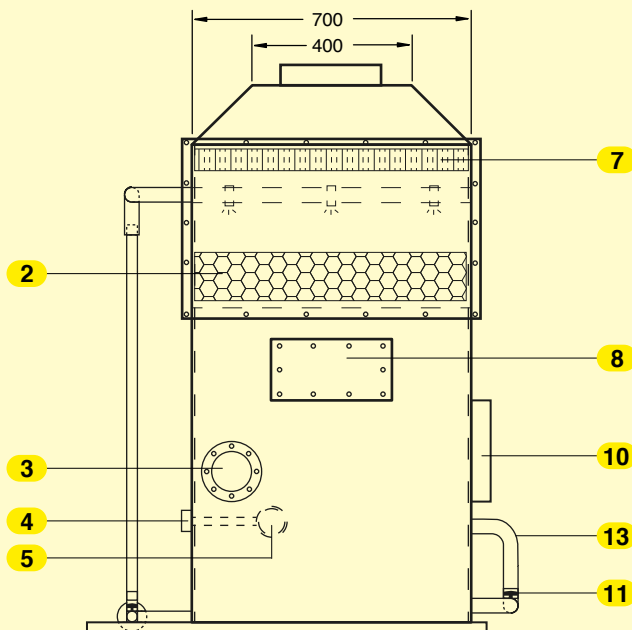
1. Mini Scrubber
(Spray Module)
2. Holding Tank
3. Chemical Pump

MaxiLab[®] 1000 Wet Scrubber

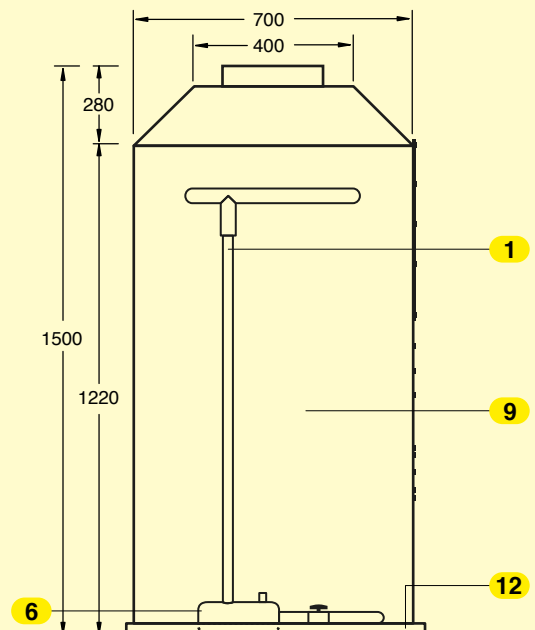


1. 25mm Dia PVC Pipe
2. Tellerette Scrubbing Media
3. Viewing Glass (Opening for Adjusting the Float)
4. 15mm Dia Incoming Water Supply
5. Water Float
6. Chemical Water Pump
7. 2" Thk Mist Eliminator
8. Opening for Changing Scrubbing Media
9. Holding Tank
10. Exhaust Outlet
11. 40mm Dia Discharge with a Ball Valve
12. PP Tray
13. Overflow Pipe

Front View

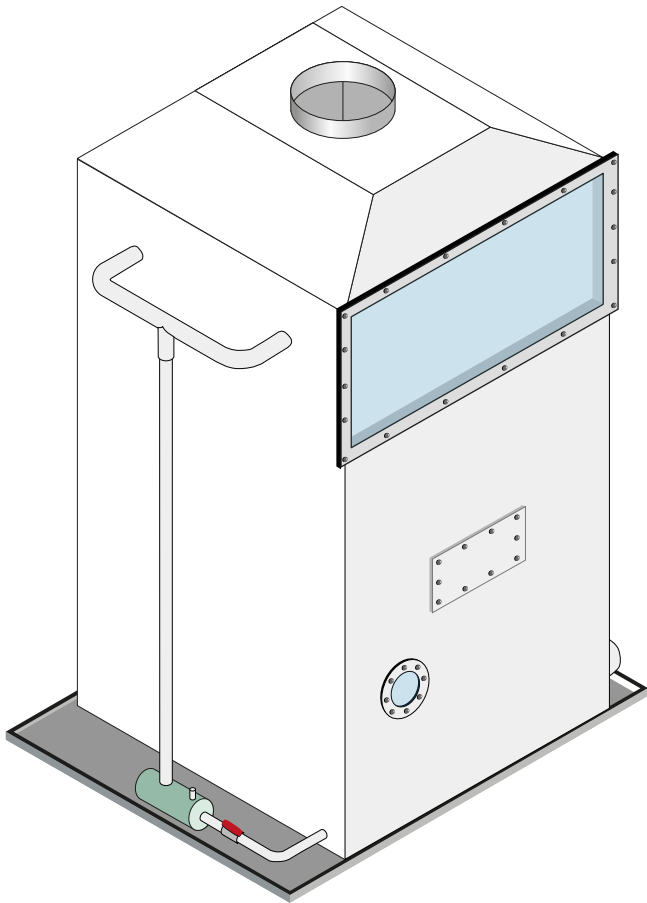


Side View



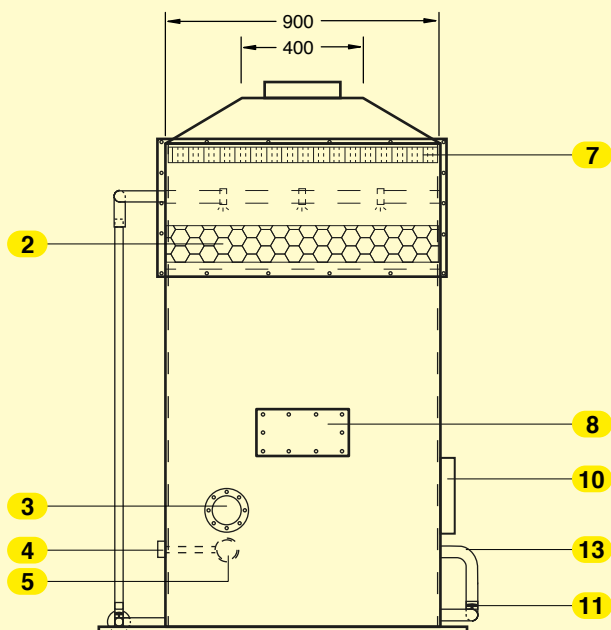
MaxiLab® 2000 Wet Scrubber

Wet Scrubber

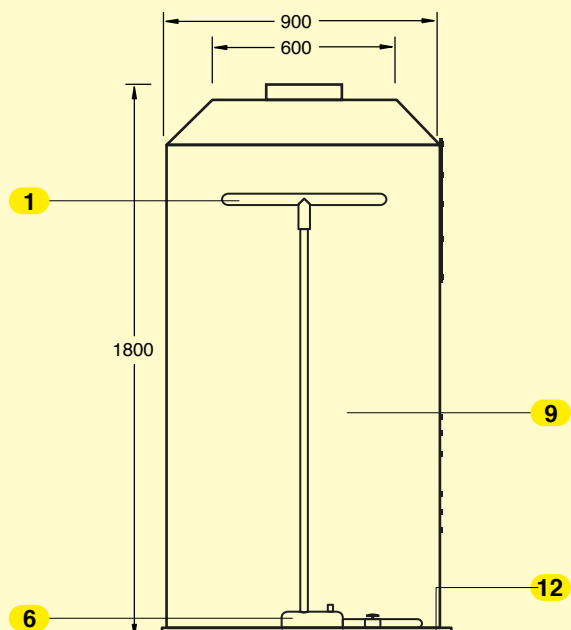


1. 25mm Dia PVC Pipe
2. Tellerette Scrubbing Media
3. Viewing Glass (Opening for Adjusting the Float)
4. 15mm Dia Incoming Water Supply
5. Water Float
6. Chemical Water Pump
7. 2" Thk Mist Eliminator
8. Opening for Changing Scrubbing Media
9. Holding Tank
10. Exhaust Outlet
11. 40mm Dia Discharge with a Ball Valve
12. PP Tray
13. Overflow Pipe

Front View



Side View





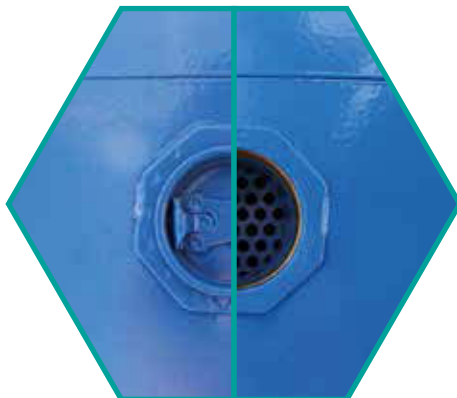
SAFETY STORAGE CABINETS

Safety Storage Cabinet Features



- Constructed from industrial grade electro-galvanised steel 18 gauge for strength and durability
- Epoxy powder coated to meet harsh industrial/laboratory environments
- Double layered construction with 1.5" airspace between layers
- Fully welded 2" sill to contain chemical spills within the cabinet
- 2 ventilation ports protected with flash arrestors
- 3 point door latching mechanism
- Large Warning Labels for easy identification
- Adjustable shelves with 1/2" centers
- Complies and 3rd party lab tested to NFPA 30 6.3.3 para 2

Adjustable galvanised steel shelves with heavy duty stainless steel pins



2" vents with flash arrestors (exterior)

Double wall construction



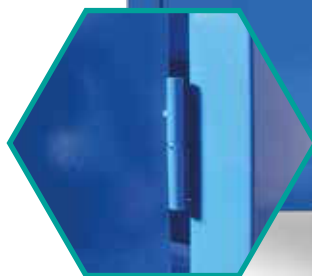
3 pin lock



2" deep spill sump



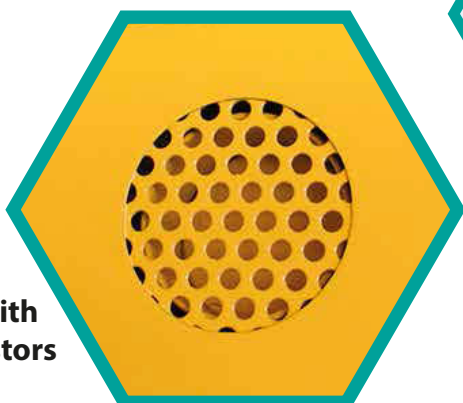
Heavy duty hinges



3 point door latch



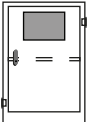

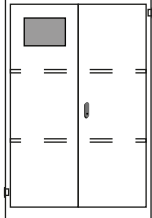
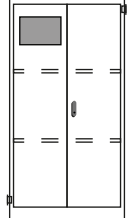
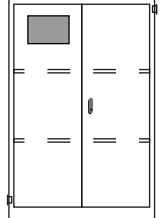
2" vents with flash arrestors (interior)

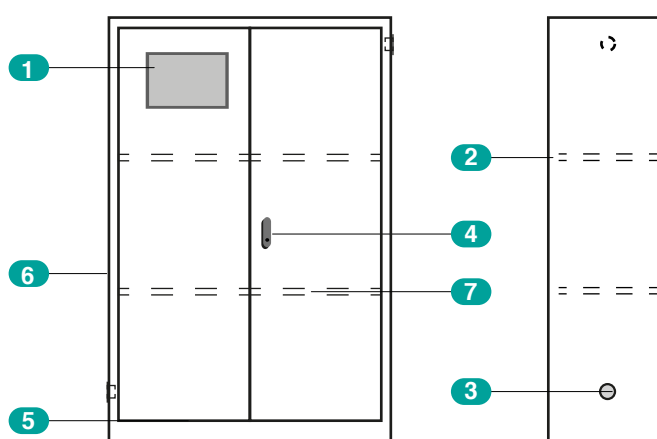


Optional PP tray



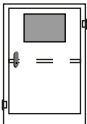

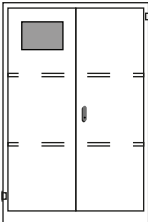
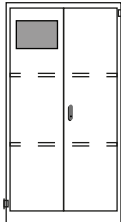
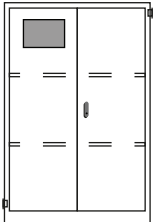
Flammable Safety Cabinets

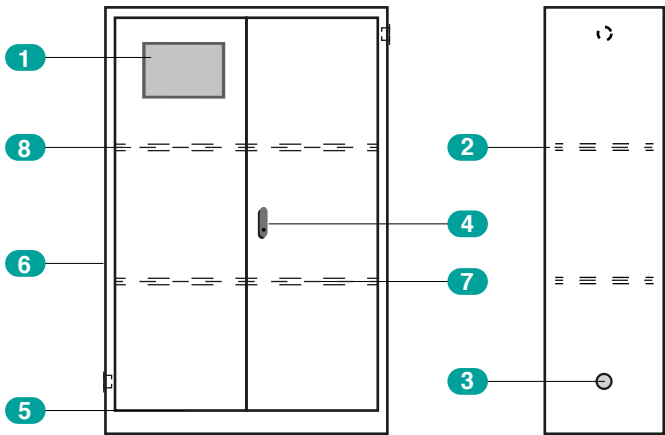
MODEL	AD15F	AD30F	AD45F	AD60F	AD90F
Gallon	15	30	45	60	90
Dimensions, mm (LxWxH)	 610mm x 550mm x 908mm	 1092mm x 457mm x 1118mm	 1092mm x 457mm x 1651mm	 864mm x 864mm x 1651mm	 1092mm x 864mm x 1651mm
Weight	75 Kg	105 Kg	145 Kg	180 Kg	220 Kg
Design	Manual closing door				
Door	1 door	2 door	2 door	2 door	2 door
Shelves	1	2	2	2	2



1. Safety Warning Sticker
2. Double wall construction with 1-1/2" air space
3. 2 nos 2" vents with flash arrestors
4. Flush mounted locking handle
5. Leak proof sill 2" deep, prevents leakage in the event of accidental spills
6. Epoxy powder coated
7. Galvanised steel shelves adjusted on 1/2" centers

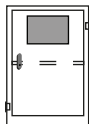
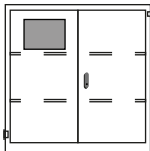
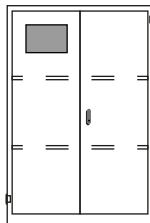
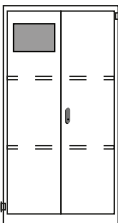
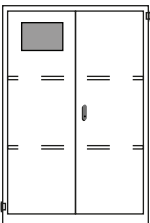
Corrosive Safety Cabinets

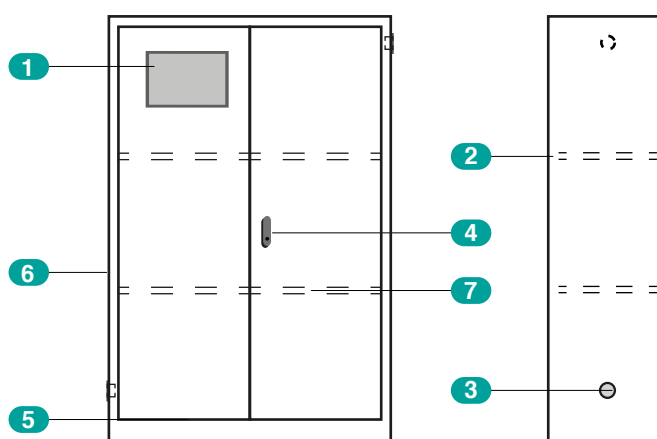
MODEL	AD15C	AD30C	AD45C	AD60C	AD90C
Gallon	15	30	45	60	90
Dimensions, mm (LxWxH)	 610mm x 550mm x 908mm	 1092mm x 457mm x 1118mm	 1092mm x 457mm x 1651mm	 864mm x 864mm x 1651mm	 1092mm x 864mm x 1651mm
Weight	75 Kg	105 Kg	145 Kg	180 Kg	220 Kg
Design	Manual closing door				
Door	1 door	2 door	2 door	2 door	2 door
Shelves	1	2	2	2	2



- 1. Safety Warning Sticker
- 2. Double wall construction with 1-1/2" air space
- 3. 2 nos 2" vents with flash arrestors
- 4. Flush mounted locking handle
- 5. Leak proof sill 2" deep, prevents leakage in the event of accidental spills
- 6. Epoxy powder coated
- 7. Galvanised steel shelves adjusted on 1/2" centers
- 8. PP Trays

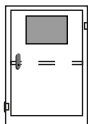
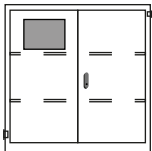
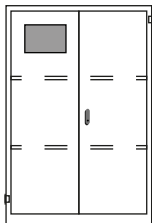
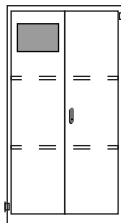
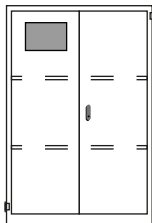
Combustible Safety Cabinets

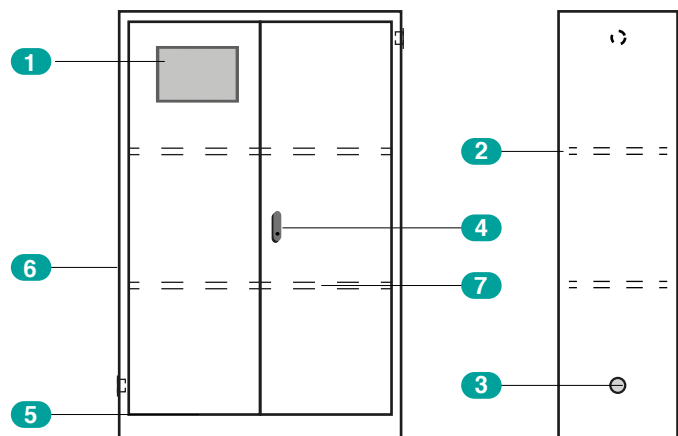
MODEL	AD15R	AD30R	AD45R	AD60R	AD90R
Gallon	15	30	45	60	90
Dimensions, mm (LxWxH)	 610mm x 550mm x 908mm	 1092mm x 457mm x 1118mm	 1092mm x 457mm x 1651mm	 864mm x 864mm x 1651mm	 1092mm x 864mm x 1651mm
Weight	75 Kg	105 Kg	145 Kg	180 Kg	220 Kg
Design	Manual closing door				
Door	1 door	2 door	2 door	2 door	2 door
Shelves	1	2	2	2	2



1. Safety Warning Sticker
2. Double wall construction with 1-1/2" air space
3. 2 nos 2" vents with flash arrestors
4. Flush mounted locking handle
5. Leak proof sill 2" deep, prevents leakage in the event of accidental spills
6. Epoxy powder coated
7. Galvanised steel shelves adjusted on 1/2" centers

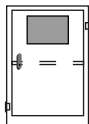
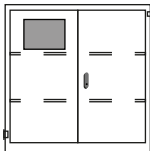
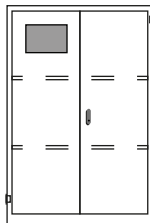
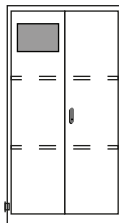
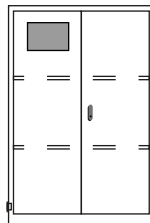
Hazardous Safety Cabinets

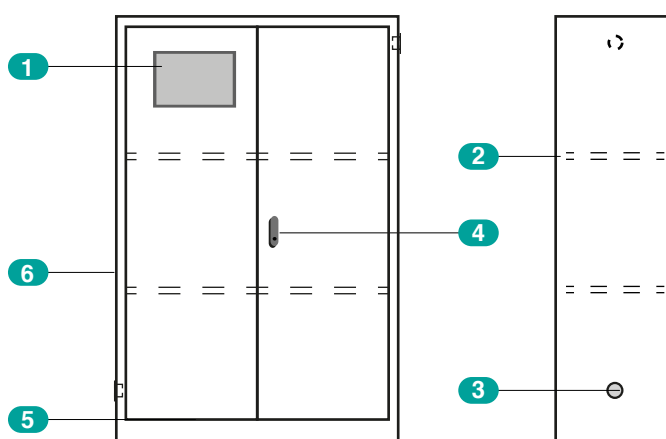
MODEL	AD15H	AD30H	AD45H	AD60H	AD90H
Gallon	15	30	45	60	90
Dimensions, mm (LxWxH)	 610mm x 550mm x 908mm	 1092mm x 457mm x 1118mm	 1092mm x 457mm x 1651mm	 864mm x 864mm x 1651mm	 1092mm x 864mm x 1651mm
Weight	75 Kg	105 Kg	145 Kg	180 Kg	220 Kg
Design	Manual closing door				
Door	1 door	2 door	2 door	2 door	2 door
Shelves	1	2	2	2	2



1. Safety Warning Sticker
2. Double wall construction with 1-1/2" air space
3. 2 nos 2" vents with flash arrestors
4. Flush mounted locking handle
5. Leak proof sill 2" deep, prevents leakage in the event of accidental spills
6. Epoxy powder coated
7. Galvanised steel shelves adjusted on 1/2" centers

Polypropylene Safety Cabinets

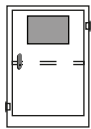
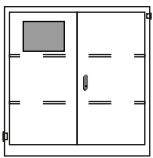
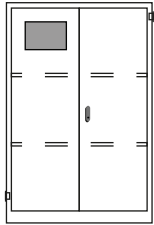
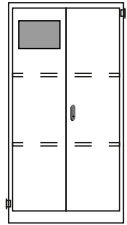
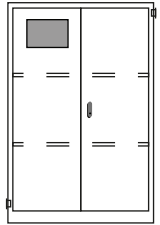
MODEL	AD15PP	AD30PP	AD45PP	AD60PP	AD90PP
Gallon	15	30	45	60	90
Dimensions, mm (LxWxH)	 610mm x 550mm x 908mm	 1092mm x 457mm x 1118mm	 1092mm x 457mm x 1651mm	 864mm x 864mm x 1651mm	 1092mm x 864mm x 1651mm
Weight	75 Kg	105 Kg	145 Kg	180 Kg	220 Kg
Design	Manual closing door				
Door	1 door	2 door	2 door	2 door	2 door
Shelves	1	2	2	2	2

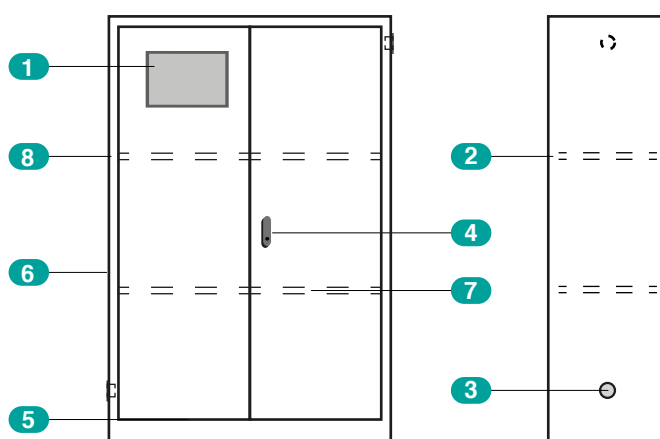


1. Safety Warning Sticker
2. Full PP hot weld construction (Single Layer)
3. 2 nos 2" vents with flash arrestors
4. Flush mounted locking handle
5. Leak proof sill 2" deep, prevents leakage in the event of accidental spills
6. PP adjustable shelves

* Single layer and not compliant to NFPA 30


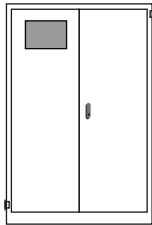
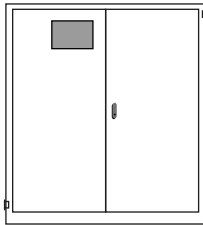
Stainless Steel Safety Cabinets

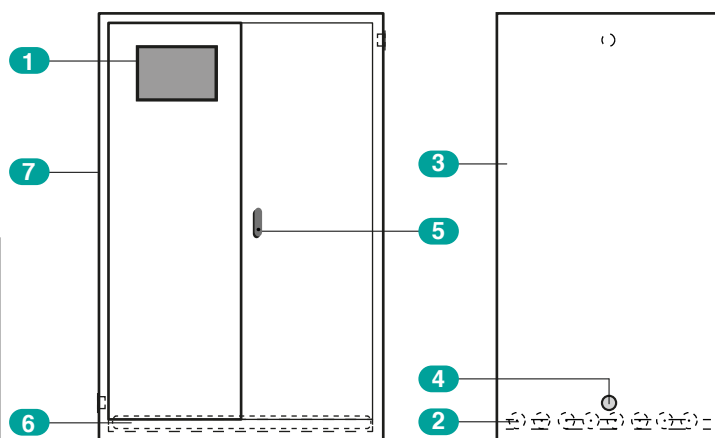
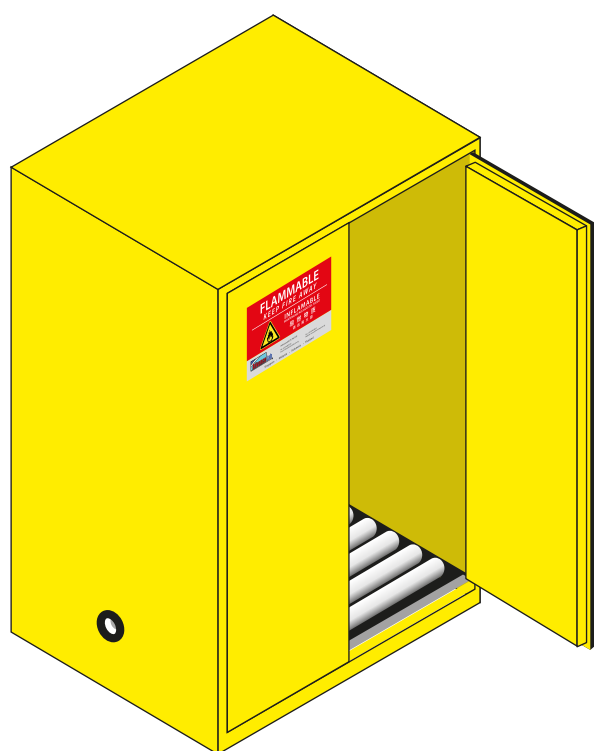
MODEL	AD15SS	AD30SS	AD45SS	AD60SS	AD90SS
Gallon	15	30	45	60	90
Dimensions, mm (LxWxH)	 610mm x 550mm x 908mm	 1092mm x 457mm x 1118mm	 1092mm x 457mm x 1651mm	 864mm x 864mm x 1651mm	 1092mm x 864mm x 1651mm
Weight	75 Kg	105 Kg	145 Kg	180 Kg	220 Kg
Design	Manual closing door				
Door	1 door	2 door	2 door	2 door	2 door
Shelves	1	2	2	2	2



1. Safety Warning Sticker
2. Double wall construction with 1-1/2" air space
3. 2 nos 2" vents with flash arrestors
4. Flush mounted locking handle
5. Leak proof sill 2" deep, prevents leakage in the event of accidental spills
6. Stainless steel construction
7. Stainless steel shelves adjusted on 1/2" centers
8. Constructed from SS304 with 4B finish (SS316 Optional)

Flammable Drum Storage Cabinets

MODEL	AD55DS1	AD30DS2	AD55DS2
Dimensions, mm (LxWxH)	864 x 864 x 1651 	1092 x 864 x 1651 	1496 x 864 x 1651 
Weight	150 Kg	220 Kg	280 Kg
Design	Manual closing door		
Door	2 door	2 door	2 door
Capacity	1 x 55 gallon drum	2 x 30 gallon drum	2 x 55 gallon drum



1. Safety Warning Sticker
2. 60mm dia rollers, steel
3. Double wall construction with 1-1/2" air space
4. 2 nos 2" vents with flash arrestors
5. Flush mounted locking handle
6. Leak proof sill 2" deep, prevents leakage in the event of accidental spills
7. Epoxy powder coated

**HIGH
PURITY**

GAS FITTINGS



Laboratory Chair



Model: ADC 01

Lowback polyurethane chair with 5-prong heavy duty nylon base with the option of castors or gliders.

Dimension

Seat Height	: 420mm to 520mm
Overall Height	: 840mm to 940mm
Seat Width	: 410mm
Seat Depth	: 380mm



Model: ADC 02

Lowback polyurethane high chair with footring. 5-prong heavy duty nylon base with the option of castors or gliders.

Dimension

Seat Height	: 550mm to 790mm
Overall Height	: 970mm to 1210mm
Seat Width	: 410mm
Seat Depth	: 380mm

Orthopaedic Features :

A heavy duty back-stem from seat extending to backrest from the seat ensures firmness and structural stability

Injected moulded polyurethane seatpan and backrest provides firm postural support

Permanent contact seat mechanism ensures optimum back support at all times

Anti-impact gas spring with 20mm compressible depth prevents sudden spinal shock when sitting. Gas spring conforms to DIN 4550.



Castor

Glider

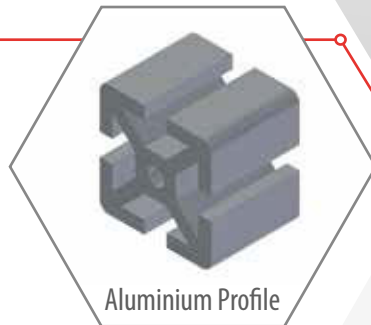


BIG BERTHA HOOD

Safety, Flexibility, Containment

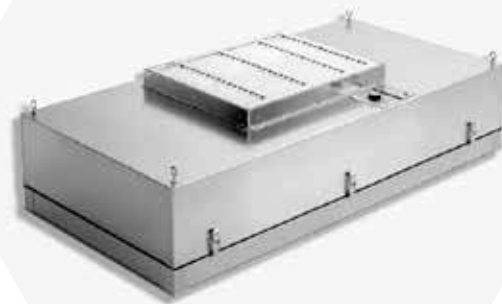
Soft Shell Clean Booth

features



Aluminium Profile

- Constructed with steel tubular sections with heavy epoxy powder coating or option of aluminium profile
- Walls are available in hard acrylic panels or soft anti-static strip vinyl curtains
- Affordable & easy to install
- Free-standing structure, does not require any suspended ceiling support
- Interior clear height of 2120mm
- Adjustable legs
- Built-in warm white fluorescent lamp ballast for flicker free usage and user eye comfort
- Strip curtain door to allow easy entry
- Low noise centrifugal-type fan filter unit, long life time, maintenance-free, minimal vibration, and large dust holding capacity

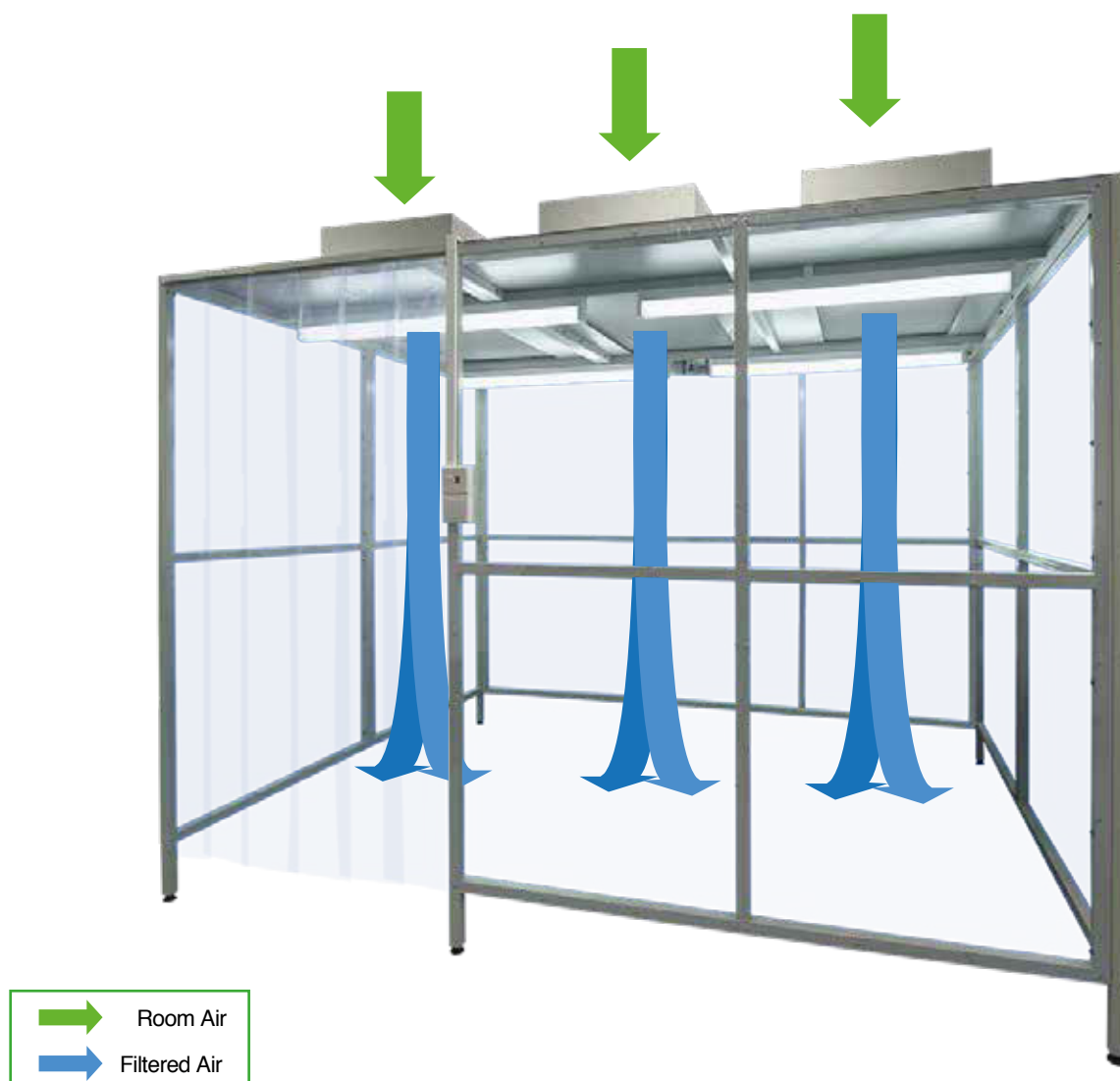


Fan Filter Unit

HEPA Filter



Filtration System

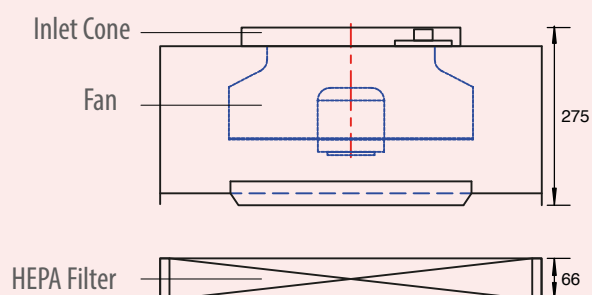


Fan Filter Units

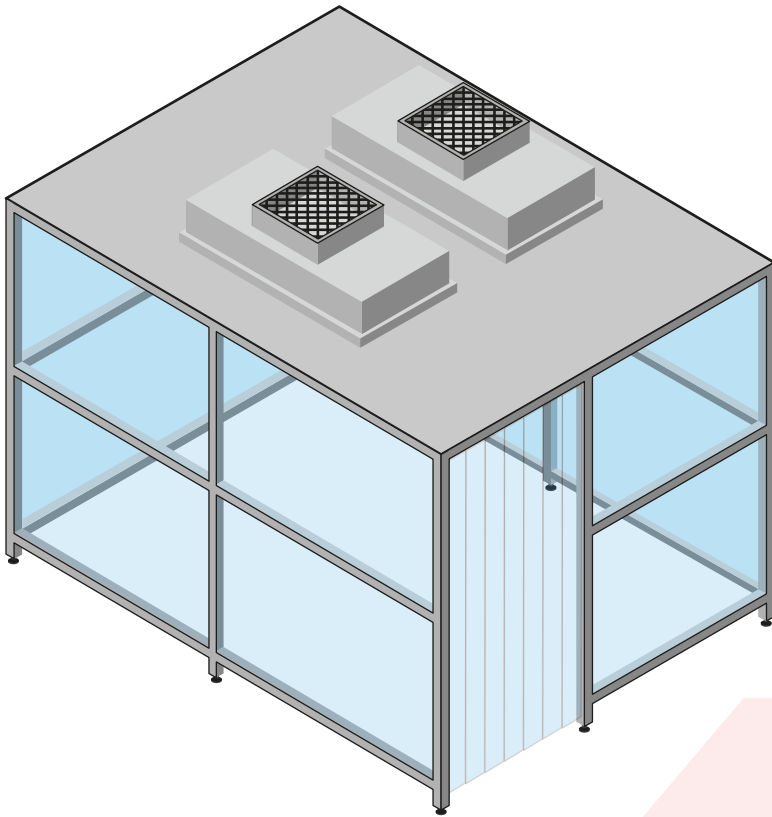
- High performance and excellent quality
- Low energy consumption
- Advanced and reliable control system
- Easy installation in cleanroom grids

MODEL	AD24FFU
Dimensions, mm (LxWxH)	600 mm x 1200mm x 275mm
Power Consumption	170 W
Noise Level	< 52 dB(A)
Hepa Filter	H14

- Can be sold separately

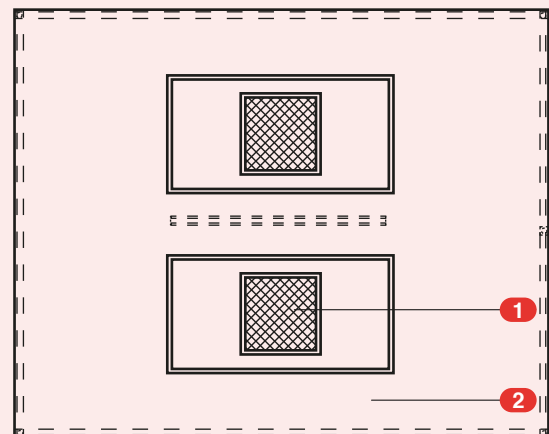


Soft Shell Clean Booth

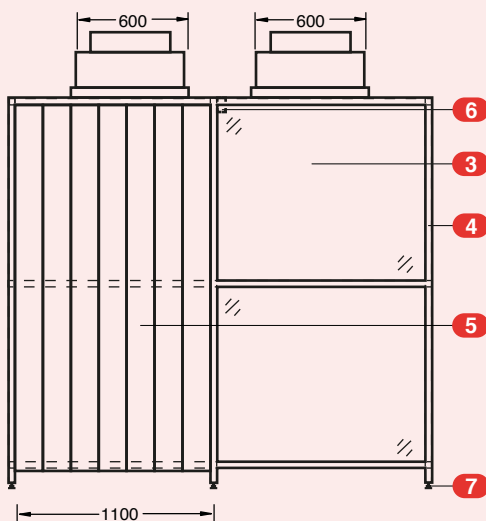


1. FFU with HEPA Filter
Note: Number of Fan Filter Units (FFU) depends on size and class of the clean booth required
2. 10mm Thk Light Grey Phenolic Resin ceiling boards
3. Acrylic Panel
4. Tube Frame Structure (38mm x 38mm Mild Steel Construction With Epoxy Powder Coated Finish / 40mm x 40 mm Aluminium Profile)
5. Strip Curtain
6. Fluorescent Lamp
7. Frame structure supported by levellers (option for castor wheels)

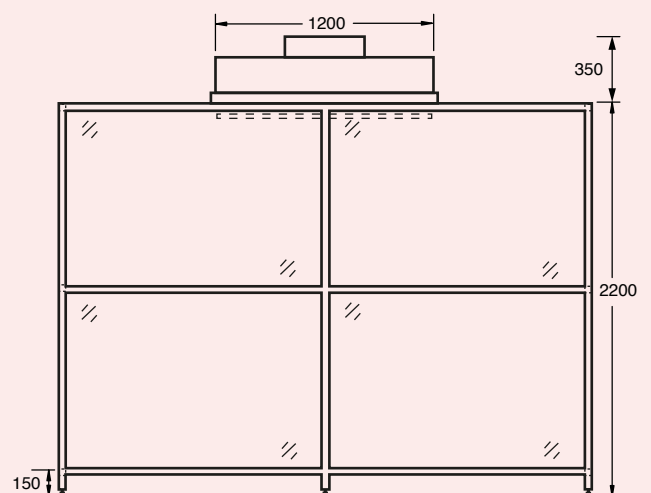
Top View



Front View



Side View



Soft Shell Clean Booth General Specifications

Cleanroom Class	Model	Dimension (W x D x H)	No. of Fan Filter Unit	Air Volume
ISO Class 5 (US Federal Standard Class 100)	AD060807CB-C5	6' x 8' x 8'2" 1820mm x 2420mm x 2500mm	3	3450 m ³ /h (2040 cfm)
	AD061207CB-C5	6' x 12' x 8'2" 1820mm x 2120mm x 2500mm	5	5750 m ³ /h (3400 cfm)
	AD061607CB-C5	6' x 16' x 8'2" 1820mm x 4880mm x 2500mm	6	6900 m ³ /h (4080 cfm)
	AD080807CB-C5	8' x 8' x 8'2" 2420mm x 2420mm x 2500mm	4	4600 m ³ /h (2720 cfm)
	AD081007CB-C5	8' x 10' x 8'2" 2420mm x 3050mm x 2500mm	5	5750 m ³ /h (3400 cfm)
	AD081207CB-C5	8' x 12' x 8'2" 2420mm x 3660mm x 2500mm	6	6900 m ³ /h (4080 cfm)
ISO Class 6 (US Federal Standard Class 1000)	AD061207CB-C6	6' x 12' x 8'2" 1820mm x 3660mm x 2500mm	3	3450 m ³ /h (2040 cfm)
	AD061607CB-C6	6' x 16' x 8'2" 1820mm x 4880mm x 2500mm	3	3450 m ³ /h (2040 cfm)
	AD062007CB-C6	6' x 20' x 8'2" 1820mm x 6100mm x 2500mm	4	4600 m ³ /h (2720 cfm)
	AD080807CB-C6	8' x 8' x 8'2" 2420mm x 2420mm x 2500mm	2	2300 m ³ /h (1360 cfm)
	AD081007CB-C6	8' x 10' x 8'2" 2420mm x 3050mm x 2500mm	3	3450 m ³ /h (2040 cfm)
	AD081207CB-C6	8' x 12' x 8'2" 2420mm x 3660mm x 2500mm	3	3450 m ³ /h (2040 cfm)
ISO Class 7 (US Federal Standard Class 10,000)	AD061207CB-C7	6' x 12' x 8'2" 1820mm x 3660mm x 2500mm	1	1150 m ³ /h (680 cfm)
	AD061607CB-C7	6' x 16' x 8'2" 1820mm x 4880mm x 2500mm	1	1150 m ³ /h (680 cfm)
	AD062007CB-C7	6' x 20' x 8'2" 1820mm x 6100mm x 2500mm	2	2300 m ³ /h (1360 cfm)
	AD080807CB-C7	8' x 8' x 8'2" 2420mm x 2420mm x 2500mm	1	1150 m ³ /h (680 cfm)
	AD081007CB-C7	8' x 10' x 8'2" 2420mm x 3050mm x 2500mm	1	1150 m ³ /h (680 cfm)
	AD081207CB-C7	8' x 12' x 8'2" 2420mm x 3660mm x 2500mm	1	1150 m ³ /h (680 cfm)

• Other sizes of Advancelab soft shell clean booth available. Please contact Advancelab for more information.

Soft Shell Clean Booth

Soft Shell Clean Booth





AdvanceLab has built a rock steady reputation for solutions where most fail. Since our establishment in 2003, we have positioned ourselves as the premier facility solution provider for the scientific industry; designing, building and delivering quickly and without fuss. We have also taken our brand of expertise globally; now with exports of laboratory casework, fume hoods, laminar flow cabinets and clean booths heading to 30 countries, covering all continents.



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