

Cleanair® Vertical Laminar Airflow Bench (CAV 600)

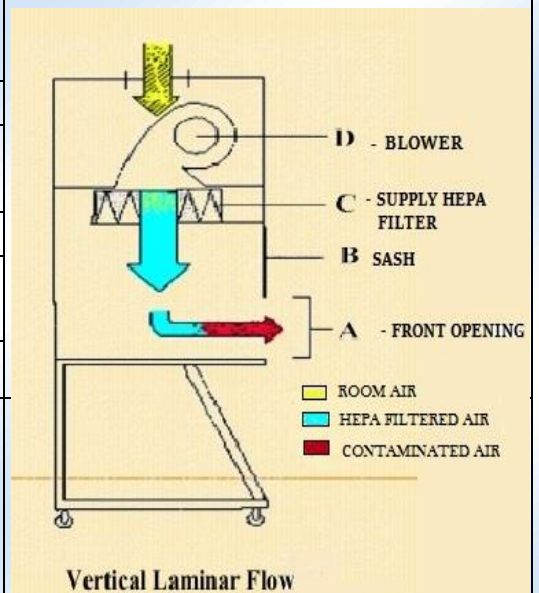
A Cleanroom work-station or a LAMINAR AIRFLOW is capable maintaining an atmosphere essentially free from air borne particulate matters. These self-contained work stations are used to perform various types operations which demands absolute clean environment & prevention of intrusion of particles from outside and from the uncontrolled atmosphere. High level CLEANLINESS is achieved immediately with the help of using right HEPA filter design.

Product code	CAV 0600
Air flow	Vertical - Downflow, Unidirectional
Air Cleanliness	CLASS 100 as per US FED STD 209 E or CLASS 5 as per ISO 14644-1
Inner working size	W 600 x D 600 x H 600 mm (2 x 2 x 2 Feet)
Over all dimension	W 680 x D 800 x H 2000 mm, including removable support stand
Top Cabinet Size	W 680 x D 800 x H 1250 MM
Support stand	W 680 x D 800 x H 750mm, made of 40x40x1.6mm MS square pipes
Particle Retention	0.3 Micron & Above
Noise Level	60 decibel on "A" scale \pm 5
Velocity	90 Feet / Minute \pm 20
Work table	Made of IS304 Grade SS, satin finish polish
Front door	4 mm thick clear polycarbonate - Sliding Type
Side Panels	4 mm thick polycarbonate
U V lamp	1 ½ Feet, 15 Watts, Make - PHILIPS: 2 Nos
Illumination	2 Feet, 10 Watts, LED TUBES:1 Nos
Pressure (Δ P)	Inclined Manometer 0 -25 mm range
Power Supply	230V, Single phase, 50 Hz
HEPA Filter	H 14 grade, Mini-pleat HEPA filter in separator less construction in anodized aluminum extruded frame with protective mesh on both side and tubular rubber gasket on downstream side. Initial pressure drop 12 mm, final pressure drop 30mm. Particle retention 0.3 micron, efficiency 99.97% at rated velocity. Size: 610x610x65 mm

Product Code :CAV 0600

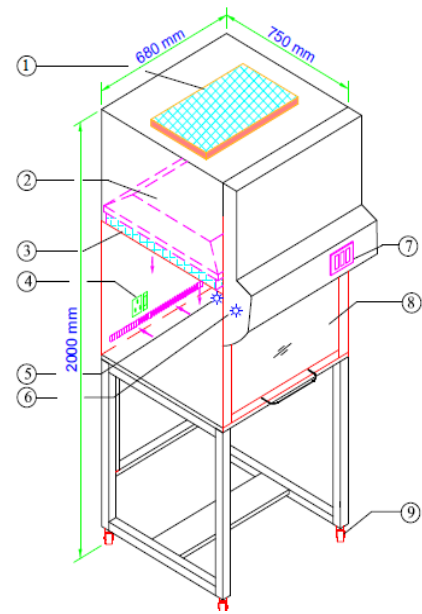


Airflow Pattern



PRE Filter	Synthetic, non-woven polyester fibers with protective mesh and deep-comb formed into PU coated GI/SS 304 casing. IPD 6mm, Particle Retention: 10 Micron. Efficiency: 95 %. Size: 500x300x30 mm
Material of construction	Main cabinet made of galvanized iron sheet with PU paint coated finish. (Also available in IS304 grade SS construction / Ply lam)
Blower Assembly	Outer rotor type blower, driven by 220V, single phase 1440 RPM Motor
Standard accessories	5/15A power point, power chord with 5 amps plug top, floor leveling screws, castors & gas inlet
Standards compliance	US FED STD 209 E, ISO 14644-1, IEST-RP-CC-002-2
Weight before packing	Approximate 150 KG
Weight after packing	Approximate 300 KG if packed in full wooden crate box
Optional if required	<ol style="list-style-type: none"> Differential Pressure gauge LCD Display with feather touch switch control displaying following contents ON/OFF, Blower, LED, UV Plug, Settings, Alarm off UV Hour meter

Schematic Drawing



LEGENDS

1	PRE FILTER
2	SUPPLY MOTOR BLOWER ASSEMBLY
3	SUPPLY HEPA FILTER
4	ADDITIONAL POWER POINT
5	UV LIGHT
6	DAY LIGHT
7	ON/OFF CONTROLLER
8	P.C SHEET DOOR
9	CASTOR WHEEL



CLEAN AIR SYSTEMS is an ISO 9001-2015 certified company & our products are CE certified

NSIC: NSIC/BO(G)/GP/253/2011 UAN: TN02B0098373 CE CERTIFICATION No: CE-1124

Contact: No 4, Senthil Nagar, 100 Feet Road, Arumbakkam, Chennai – 600 106 Ph: 044-2362 1476

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Cleanair® Vertical Laminar Airflow Bench (CAV 900)

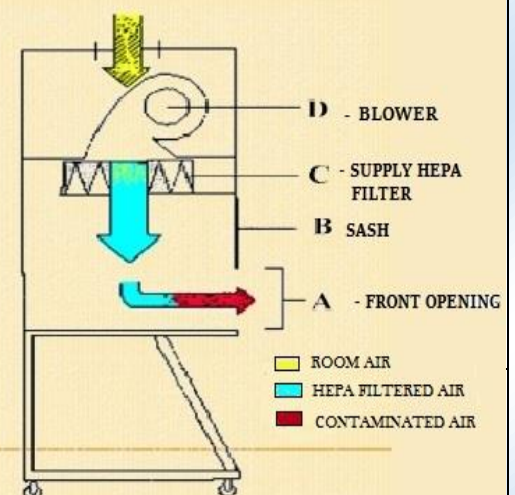
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Product code	CAV 0900
Air flow	Vertical - Downflow, Unidirectional
Air Cleanliness	CLASS 100 as per US FED STD 209 E or CLASS 5 as per ISO 14644-1
Inner working size	W 900 x D 600 x H 600mm (3 x 2 x 2 Feet)
Over all dimension (Approx.)	W 980 x D 750 x H 2000mm, including removable support stand
Top Cabinet Size	W 980 x D 750 x H 1300mm
Support stand	W 980 x D 750 x H 750mm, made of Powder coated MS square pipes
Particle Retention	0.3 Micron & Above
Noise Level	60 decibel on "A" scale \pm 5
Velocity	90 Feet / Minute \pm 20
Work table	Made of IS304 Grade SS, satin finish polish
Front door	4 mm thick clear polycarbonate - Manual Sliding Type
U V lamp	1 ½ Feet, 15 Watts, Make - PHILIPS
Illumination	2 Feet, 10 Watts, LED TUBES:1 Nos
Pressure (Δ P)	0-25mm range differential pressure sensor with digital display
Power Supply	230V, Single phase, 50 Hz
HEPA Filter	H 14 grade, Mini-pleat HEPA filter in separator less construction in anodized aluminum extruded frame with protective mesh on both side and tubular rubber gasket on downstream side. Initial pressure drop 12 mm, final pressure drop 30mm. Particle retention 0.3 micron, efficiency 99.997% at rated velocity.

Product Code: CAV 0900



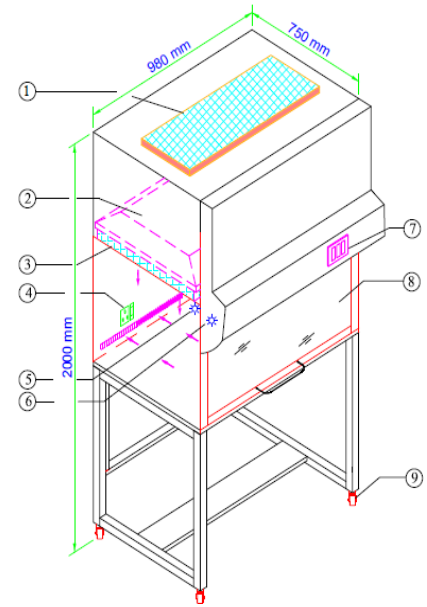
Airflow Pattern



Vertical Laminar Flow

PRE Filter	Synthetic, non-woven polyester fibers with protective mesh and deep-comb formed into PU coated GI/SS 304 casing. IPD 6mm, Particle Retention: 5 Micron. Efficiency: 95 %.
Material of construction	Main cabinet made of galvanized iron sheet with PU paint coated finish. (Also available in IS304 grade SS construction)
Blower Assembly	Outer rotor type blower, driven by 230V, single phase 1440 RPM Motor
Standard accessories	5/15A power point, power chord with 5 amps plug top, floor leveling screws, castors & gas inlet
Standards compliance	US FED STD 209 E, ISO 14644-1, IEST-RP-CC-002-2, EN 12469:2000 & EN 61010-1:2010
Weight before packing	Approximate 130 KG
Weight after packing	Approximate 170 KG
Optional if required	4. Motorized Front Door

Schematic Drawing



LEGENDS

1	PRE FILTER
2	SUPPLY MOTOR BLOWER ASSEMBLY
3	SUPPLY HEPA FILTER
4	ADDITIONAL POWER POINT
5	UV LIGHT
6	DAY LIGHT
7	ON/OFF CONTROLLER
8	P C SHEET DOOR
9	CASTOR WHEEL



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Cleanair® Vertical Laminar Airflow Bench (CAV 1200)

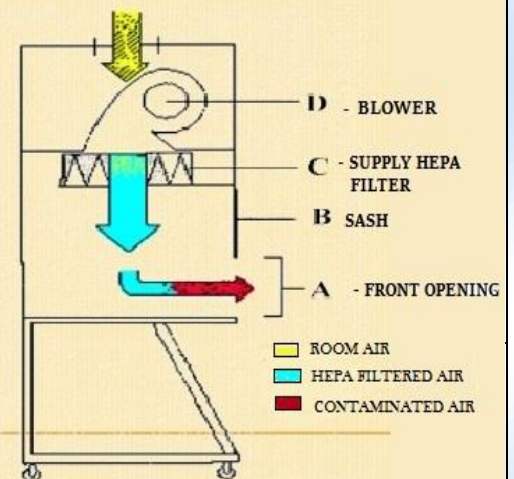
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Product code	CAV 1200
Air flow	Vertical - Downflow, Unidirectional
Air Cleanliness	CLASS 100 as per US FED STD 209 E or CLASS 5 as per ISO 14644-1
Inner working size	W 1200 x D 600 x H 600mm (4 x 2 x 2 Feet)
Over all dimension	W 1280 x D 750 x H 2000mm, including removable support stand
Top Cabinet Size	W 1280 x D 750 x H 1200mm
Support stand	W 1280 x D 800 x H 750mm, made of MS/SS square pipes
Particle Retention	0.3 Micron & Above
Noise Level	60 decibel on "A" scale \pm 5
Velocity	90 Feet / Minute \pm 20
Work table	Made of IS304 Grade SS, satin finish polish
Front door	5 mm thick clear polycarbonate - Manual Sliding Type
Side Panels	By IS 304 Grade Stainless Steel surface
U V lamp	3 Feet, 30 Watts, Make - PHILIPS: 1 No
Illumination	2 Feet, 10 Watts LED tubes
Pressure (ΔP)	0-25mm range differential pressure sensor with digital display
Power Supply	230V, Single phase, 50 Hz
HEPA Filter	H 14 grade, Mini-pleat HEPA filter in separator less construction in anodized aluminum extruded frame with protective mesh on both side and tubular rubber gasket on downstream side. Initial pressure drop 12 mm, final pressure drop 30mm. Particle retention 0.3 micron, efficiency 99.997% at rated velocity. Size: 1220x610x75 mm

Product Code : CAV 1200



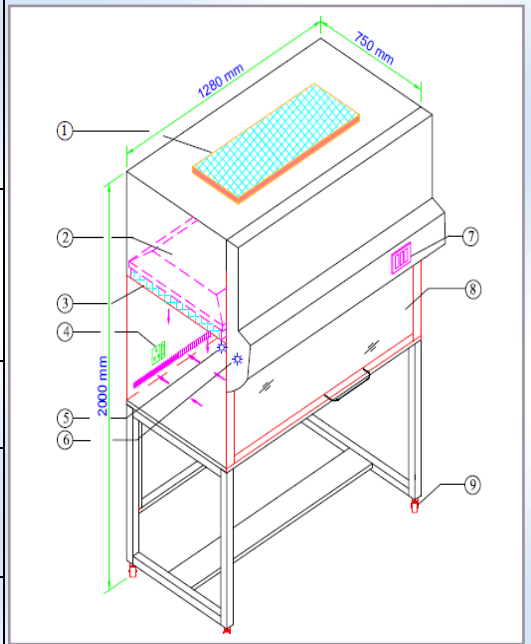
Airflow Pattern



Vertical Laminar Flow

<i>PRE Filter</i>	<i>Synthetic, non-woven polyester fibers with protective mesh and deep-comb formed into PU coated GI/SS 304 casing. IPD 6mm, Particle Retention: 5 Micron. Efficiency: 95 %</i>
<i>Material of construction</i>	<i>Main cabinet made of galvanized iron sheet with PU paint coated finish. (Also available in IS304 grade SS construction)</i>
<i>Blower Assembly</i>	<i>Outer rotor type blower, driven by 230V, single phase 1440 RPM Motor</i>
<i>Standard accessories</i>	<i>5/15A power point, power chord with 5 amps plug top, floor leveling screws, castors & gas inlet</i>
<i>Standards compliance</i>	<i>US FED STD 209 E, ISO 14644-1, IEST-RP-CC-002-2, , EN 12469:2000 & EN 61010-1:2010</i>
<i>Weight before packing</i>	<i>Approximate 200 KG</i>
<i>Weight after packing</i>	<i>Approximate 240 KG if packed</i>
<i>Optional if required</i>	<i>5. Motorized Front Door</i>

Schematic Drawing



LEGENDS

1	PRE FILTER
2	SUPPLY MOTOR BLOWER ASSEMBLY
3	SUPPLY HEPA FILTER
4	ADDITIONAL POWER POINT
5	UV LIGHT
6	DAY LIGHT
7	ON/OFF CONTROLLER
8	P C SHEET DOOR
9	CASTOR WHEEL



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Cleanair® Vertical Laminar Airflow Bench (CAV 1800)

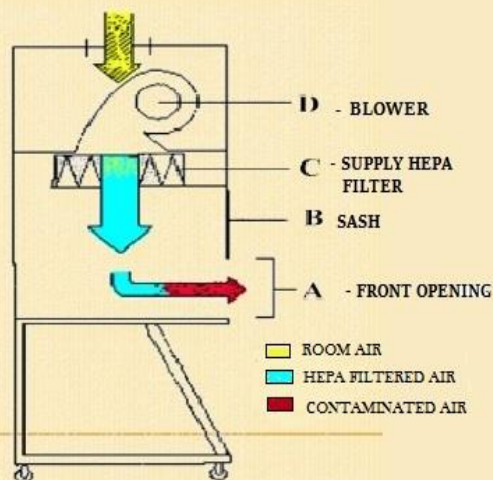
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Product code	CAV 1800
Air flow	Vertical - Downflow, Unidirectional
Air Cleanliness	CLASS 100 as per US FED STD 209 E or CLASS 5 as per ISO 14644-1
Inner working size	W 1800 x D 600 x H 600 mm (6 x 2 x 2 Feet)
Over all dimension	W 1880 x D 700 x H 2000 mm, including removable type support stand
Top Cabinet Size	W 1880 x D 700 x H 1250 MM Approx
Support stand	W 1880 x D 700 x H 750 mm, made of 40x40.12mm MS(or) SS square pipes
Particle Retention	0.3 Micron & Above
Noise Level	60 decibel on "A" scale \pm 5
Velocity	90 Feet / Minute \pm 20
Work table	Made of IS304 Grade SS, satin finish polish
Front door	5 mm thick clear polycarbonate - Sliding Type
Side Panels	By IS 304 Grade Stainless Steel surface
U V lamp	3 Feet, 30 Watts, Make - PHILIPS: 1 Nos
Illumination	2 Feet, 20 Watts LED tubes : 1 Nos
Pressure (ΔP)	0-25mm range differential pressure sensor with digital display
Power Supply	230V, Single phase, 50 Hz
HEPA Filter	H 14 grade, Mini-pleat HEPA filter in separator less construction in anodized aluminum extruded frame with protective mesh on both side and tubular rubber gasket on downstream side. Initial pressure drop 12 mm, final pressure drop 30mm. Particle retention 0.3 micron, efficiency 99.99% at rated velocity. Size: 915x610x75 mm(approx.) 2 Nos

Product Code : CAV 1800



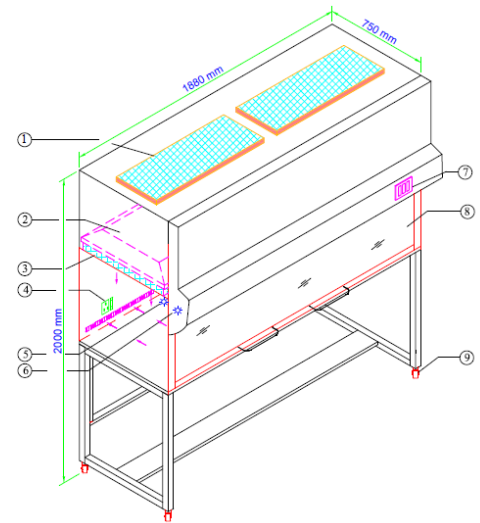
Airflow Pattern



Vertical Laminar Flow

PRE Filter	Synthetic, non-woven polyester fibers with protective mesh and deep-comb formed into PU coated GI/SS 304 casing. IPD 6mm, Particle Retention: 5 Micron. Efficiency: 95 %.
Material of construction	Main cabinet made of galvanized iron sheet with PU paint coated finish. (Also available in IS304 grade SS construction)
Blower Assembly	Outer rotor type blower, driven by 220V, single phase 1440 RPM Motor
Standard accessories	5/15A power point, power chord with 5 amps plug top, floor leveling screws, castors & gas inlet
Standards compliance	US FED STD 209 E, ISO 14644-1, IEST-RP-CC-002-2, EN12469:2000
Weight before packing	Approximate 250 KG
Weight after packing	Approximate 400 KG if packed in full wooden crate box/ carton box
Optional if required	6. Motorized Door

Schematic Drawing



LEGENDS

1	PRE FILTER
2	SUPPLY MOTOR BLOWER ASSEMBLY
3	SUPPLY HEPA FILTER
4	ADDITIONAL POWER POINT
5	UV LIGHT
6	DAY LIGHT
7	ON/OFF CONTROLLER
8	P C SHEET DOOR
9	CASTOR WHEEL



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