

Cleanair[®] Horizontal Laminar Airflow Bench (CAH 600)

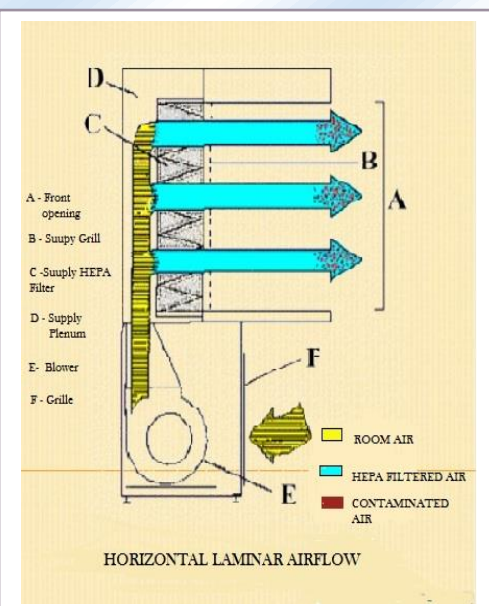
A Cleanroom work-station or a LAMINAR AIRFLOW is capable maintaining an atmosphere essentially free from air borne particulate matters. These self-contained work stations are used to perform various types operations which demands absolute clean environment & prevention of intrusion of particles from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

Product code	CAH 0600
Air flow	Horizontal flow – 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 700 x D 750 x H 1750 MM, including removable type support stand
Top Cabinet Size	W 700 x D 750 x H 1000 MM
Support stand	W 680 x D 750 x H 750 MM, made from 40x40x1.6mm MS square pipes
Particle Retention	0.3 Micron & Above
Noise Level	65 decibel on "A" scale ± 5
Velocity	90 Feet / Minute ± 20
Work table	Made of IS304 Grade SS, satin finish polish
Front door	5 mm thick clear polycarbonate – Folding / Sliding Type
U V lamp	1½ Feet, 15 Watts, Make – PHILIPS: 1 No
Illumination	2 Feet, 20 Watts, LED TUBES: 1 No minimum 700 lux
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

Product Code: CAH 0600

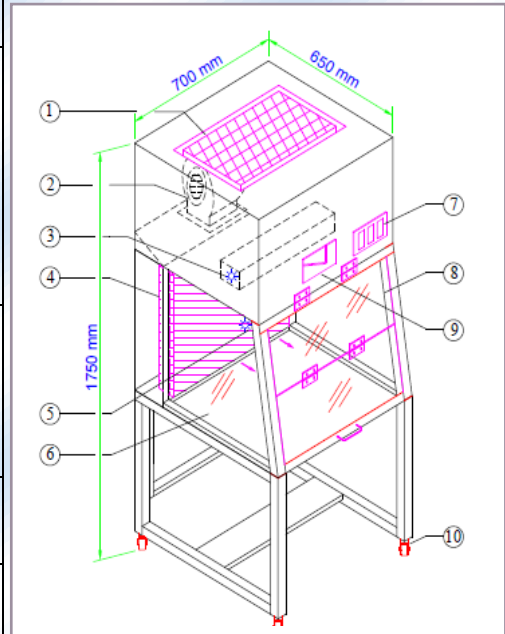


Airflow Pattern



	30mm. Particle retention 0.3 micron, efficiency 99.997% at rated velocity. Size: 610x610x65 mm
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 %. 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/ PP)
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

Schematic Drawing



LEGENDS

1	PRE FILTER
2	MOTOR BLOWER ASSEMBLY
3	DAY LIGHT
4	HEPA FILTER
5	UV LIGHT
6	SIDE GLASS
7	ON/OFF CONTROL
8	P C SHEET DOOR - FOLDING TYPE
9	INCLINED MANOMETER
10	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

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Cleanair[®] Horizontal Laminar Airflow Bench (CAH 900)

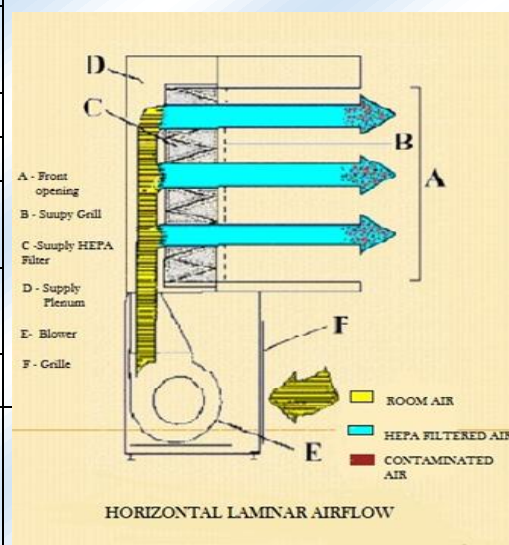
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Product code	CAH 0900
Air flow	Horizontal flow – Unidirectional
Air Cleanliness	CLASS 100 as per US FED STD 209 E or CLASS 5 as per ISO 14644-1
Inner working size	W 900 x D 600 x H 600 mm (3 x 2 x 2 Feet)
Over all dimension	W 980 x D 850 x H 1760 mm, including removable support stand
Top Cabinet Size	W 980 x D 850 x H 1000 mm
Support stand	W 980 x D 850 x H 760 mm, made of 40x40x1.6mm MS square pipes
Particle Retention	0.3 Micron & Above
Noise Level	65 decibel on "A" scale ± 5
Velocity	90 Feet / Minute ± 20
Work table	Made of IS304 Grade SS, satin finish polish
Front door	4 mm thick clear polycarbonate – Folding Type
Side Panels	4 mm thick polycarbonate
U V lamp	1½ Feet, 15 Watts, Make – PHILIPS: 1 No
Illumination	2 Feet, 20 Watts, LED TUBES: 1 No minimum 700 lux
Pressure (ΔP)	Inclined Manometer 0 –25 mm range
Power Supply	230V, Single phase, 50 Hz
HEPA Filter	H 13 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

Product Code: CAH 0900



Airflow Pattern



	<p>pressure drop 12 mm, final pressure drop 30mm. Particle retention 0.3 micron, efficiency 99.97% at rated velocity. Size: 915x600x65 mm</p>	<p>Schematic Drawing</p>
PRE Filter	<p>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</p>	
Material of construction	<p>Main cabinet made of galvanized iron sheet with PU paint coated finish. (Also available in IS304 grade SS construction / Ply lam/ PP)</p>	
Blower Assembly	<p>Outer rotor type blower, driven by 220V, single phase 1440 RPM Motor</p>	
Standard accessories	<p>5/15A power point, power chord with 5 amps plug top, floor leveling screws, castors & gas inlet</p>	
Standards compliance	<p>US FED STD 209 E, ISO 14644-1, IEST-RP-CC-002-2</p>	
Weight before packing	<p>Approximate 200 KG</p>	
Weight after packing	<p>Approximate 350 KG if packed in full wooden crate box</p>	
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 H14 HEPA Filter for 99.99% 	

LEGENDS	
1	PRE FILTER
2	MOTOR BLOWER ASSEMBLY
3	DAY LIGHT
4	HEPA FILTER
5	UV LIGHT
6	SIDE GLASS
7	ON/OFF CONTROL
8	P C SHEET DOOR - FOLDING TYPE
9	INCLINED MANOMETER
10	CASTOR WHEEL



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Cleanair[®] Horizontal Laminar Airflow Bench (CAH 1200)

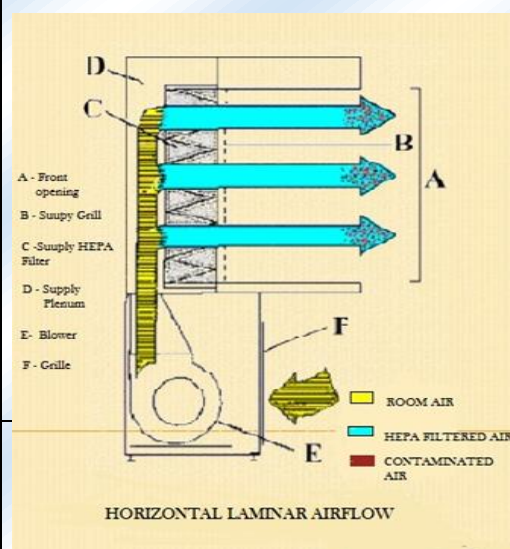
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Product code	CAH 1200
Air flow	Horizontal flow - Unidirectional
Air Cleanliness	CLASS 100 as per US FED STD 209 E or CLASS 5 as per ISO 14644-1
Inner working size	W 1200 x D 600 x H 600 mm (4 x 2 x 2 Feet)
Over all dimension	W 1300 x D 750 x H 1900 mm (Approx.) including removable support stand
Top Cabinet Size	W 1300 x D 750 x H 1150 mm
Support stand	W 1300 x D 750 x H 750 mm, made of MS /SS square pipes
Particle Retention	0.3 Micron & Above
Noise Level	65 decibel on "A" scale ± 5
Velocity	90 Feet / Minute ± 20
Work table	Made of IS304 Grade SS, satin finish polish
Front door	6 mm thick clear polycarbonate - Manual Sliding Type
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

Product Code: CAH 1200

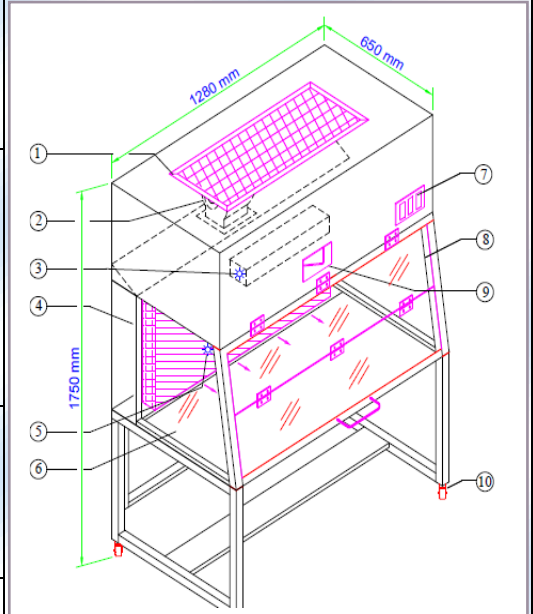


Airflow Pattern



	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 – 1 Nos
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 200 KG
Weight after packing	Approximate 240 KG if packed
Optional if required	5. Motorized Front Door

Schematic Drawing



LEGENDS

1	PRE FILTER
2	MOTOR BLOWER ASSEMBLY
3	DAY LIGHT
4	HEPA FILTER
5	UV LIGHT
6	SIDE GLASS
7	ON/OFF CONTROL
8	P C SHEET DOOR - FOLDING TYPE
9	INCLINED MANOMETER
10	CASTOR WHEEL



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Cleanair[®] Horizontal Laminar Airflow Bench (CAH 1800)

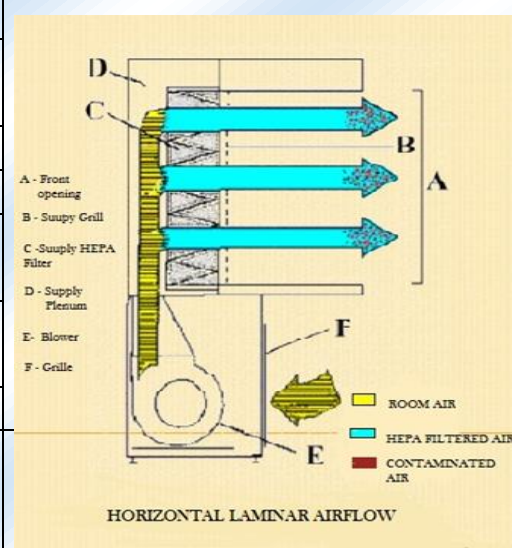
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Product code	CAH 1800
Air flow	Horizontal flow – Unidirectional
Air Cleanliness	CLASS 100 as per US FED STD 209 E or CLASS 5 as per ISO 14644-1
Inner working size	W 1800 x D 600 x H 600 mm (6 x 2 x 2 Feet)
Over all dimension	W 1880 x D 850 x H 1760 mm, including removable support stand
Top Cabinet Size	W 1880 x D 850 x H 1000 mm
Support stand	W 1880 x D 850 x H 760 mm, made of 40x40x1.6mm MS square pipes
Particle Retention	0.3 Micron & Above
Noise Level	65 decibel on "A" scale ± 5
Velocity	90 Feet / Minute ± 20
Work table	Made of IS304 Grade SS, satin finish polish
Front door	4 mm thick clear polycarbonate – Folding Type
Side Panels	5 mm thick polycarbonate
U V lamp	3 Feet, 30 Watts, Make – PHILIPS: 2 Nos
Illumination	4 Feet, 40 Watts, LED TUBES:2 Nos minimum 700 lux
Pressure (ΔP)	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

Product Code: CAH 1800



Airflow Pattern



	<p>pressure drop 12 mm, final pressure drop 30mm. Particle retention 0.3 micron, efficiency 99.97% at rated velocity. Size: 915x600x65 mm two Numbers</p>	<p>Schematic Drawing</p>
PRE Filter	<p>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 x 2 Nos</p>	
Material of construction	<p>Main cabinet made of galvanized iron sheet with PU paint coated finish. (Also available in IS304 grade SS construction / Ply lam/ PP)</p>	
Blower Assembly	<p>Outer rotor type blower, driven by 220V, single phase 1440 RPM Motor</p>	
Standard accessories	<p>5/15A power point, power chord with 5 amps plug top, floor leveling screws, castors & gas inlet</p>	
Standards compliance	<p>US FED STD 209 E, ISO 14644-1, IEST-RP-CC-002-2</p>	
Weight before packing	<p>Approximate 200 KG</p>	
Weight after packing	<p>Approximate 350 KG if packed in full wooden crate box</p>	
Optional if required	<p>6. Differential Pressure gauge 7. LCD Display with feather touch switch control displaying following contents ON/OFF, Blower, LED, UV Plug, Settings, Alarm off 8. UV Hour meter</p>	

LEGENDS	
1	PRE FILTER
2	MOTOR BLOWER ASSEMBLY
3	DAY LIGHT
4	HEPA FILTER
5	UV LIGHT
6	SIDE GLASS
7	ON/OFF CONTROL
8	P C SHEET DOOR - FOLDING TYPE
9	INCLINED MANOMETER
10	CASTOR WHEEL



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