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 maters. 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.

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Product code	САН 0600	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	Airflow Pattern
Front door	5 mm thick clear polycarbonate –	
	Folding / Sliding Type	D
U V lamp	1½ Feet, 15 Watts, Make – PHILIPS: 1 No	
Illumination	2 Feet, 20 Watts, LED TUBES: 1 No	B
	minimum 700 lux	A - Front opening
Pressure (ΔP)	0-25mm range differential pressure	B - Sunpy Grill
	sensor with digital display	C -Suuply HEFA
Power Supply	230V, Single phase, 50 Hz	D - Supply Flenum
HEPA Filter	H 14 grade, Mini-pleat HEPA filter in	E- Blower
	separator less construction in anodized	
	aluminum extruded frame with protective	
	mesh on both side and tubular rubber	
	gasket on downstream side. Initial	HORIZONTAL LAMINAR AIRFLOW
	pressure drop 12 mm, final pressure drop	

30mm. Particle retention 0.3 micron, Schematic Drawing efficiency 99.997% at rated velocity. Size: 610x610x65 mm 550 mn 700 mm PRE Filter Synthetic, non-woven polyester fibers with protective mesh and deep-comb (1) formed into PU coated GI/SS 304 casing. 2 IPD 6mm, Particle Retention: 5 Micron. $\overline{\mathbf{1}}$ 3-Efficiency: 95 %. 4 (8) Size: 500x300x30 MM Material of Main cabinet made of galvanized iron 9 750 sheet with PU paint coated finish. construction (Also available in IS304 grade SS 3 6 construction / Ply lam/ PP) Blower Assembly Outer rotor type blower, driven by 10 220V, singe phase1440 RPM Motor Standard 5/15A power point, power chord with 5 amps plug top, floor leveling accessories screws, castors & gas inlet LEGENDS Standards US FED STD 209 E, ISO 14644-1, IEST-PRE FILTER RP-CC-002-2 compliance 2 MOTOR BLOWER ASSEMBLY 3 Weight before Approximate 150 KG DAY LIGHT HEPA FILTER 4 packing 5 UV LIGTHT Approximate 300 KG if packed in full Weight after 6 SIDE GLASS 7 ON/OFF CONTROL packing wooden crate box 8 P C SHEET DOOR - FOLDING TYPE 9 INCLINED MANOMETER 10 CASTOR WHEEL MEKENNUL 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 CERTFICATION No: CE-1124 Contact: No 4, Senthil Nagar, 100 Feet Road, Arumbakkam, Chennai – 600 106 Ph: 044-2362 1476 Mob: +91 9841074504 WhatsApp: +919551119111 Website: www.cleanairindia.com elac

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ISO 9001 : 2008

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

A Cleanroom work-station or a LAMINAR AIRFLOW is capable maintaining an atmosphere essentially free from air borne particulate maters. 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.

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Product code	САН 0900	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	N N N N N N N N N N N N N N N N N N N
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	N.
Noise Level	65 decibel on "A" scale ± 5	
Velocity	90 Feet / Minute ± 20	
Work table	Made of IS304 Grade SS, satin finish	Airflow Pattern
	polish	
Front door	4 mm thick clear polycarbonate -	
	Folding Type	
Side Panels	4 mm thick polycarbonate	C
U V lamp	11/2 Feet, 15 Watts, Make – PHILIPS: 1 No	A - Front
Illumination	2 Feet, 20 Watts, LED TUBES: 1 No	opening B - Suupy Grill
	minimum 700 lux	C-Suuply HEPA
Pressure (ΔP)	Inclined Manometer 0 –25 mm range	D - Supply Flenum
		E. Blomer
Power Supply	230V, Single phase, 50 Hz	F-Geille
HEPA Filter	H 13 grade, Mini-pleat HEPA filter in	
	separator less construction in anodized	
	aluminum extruded frame with protective	HORIZONTAL LAMINAR AIRFLOW
	mesh on both side and tubular rubber	
	gasket on downstream side. Initial	

pressure drop 12 mm, final pressure drop Schematic Drawing 30mm. Particle retention 0.3 micron, efficiency 99 97% at rated velocity

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	efficiency 99.97% at rated velocity.	650 0
	Size: 915x600x65 mm	889 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: 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/ PP)	
Blower Assembly	<i>Outer rotor type blower, driven by 220V, singe phase1440 RPM Motor</i>	8
Standard accessories	<i>5/15A power point, power chord with</i> <i>5 amps plug top, floor leveling screws,</i> <i>castors & gas inlet</i>	
Standards compliance Weight before packing	US FED STD 209 E, ISO 14644-1, IEST- RP-CC-002-2 Approximate 200 KG	1 PRE FILTER 2 MOTOR BLOWER ASSEMBLY 3 DAY LIGHT 4 HEPA FILTER 5 UV LIGTHT 6 SIDE GLASS 7 ON/OFF CONTROL
Weight after packing	Approximate 350 KG if packed in full wooden crate box	8 P C SHEET DOOR - FOLDING TYPE 9 INCLINED MANOMETER 10 CASTOR WHEEL
<i>Optional if required</i>	 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% 	MAKE IN INDIA
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Cleanair[®] Horizontal Laminar Airflow Bench (CAH 1200)

A Cleanroom work-station or a LAMINAR AIRFLOW is capable maintaining an atmosphere essentially free from air borne particulate maters. 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.

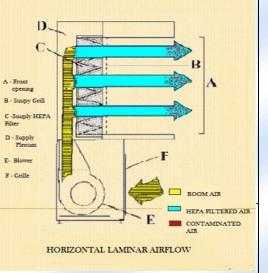
Product code	САН 1200
Air flow	Horizontal flow – Unidirectional
Air Cleanliness	CLASS 100 as per US FED STD 209 E or
	CLASS 5 as per ISO 14644-1
Inner working size	W 1200 x D 600 x H 600 mm
	(4 x 2 x 2 Feet)
Over all dimension	W 1300 x D 750 x H 1900 mm (Approx.)
	including removable support stand
Top 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

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Airflow Pattern



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	gasket on downstream side. Initial	Schematic Drawing
	pressure drop 12 mm, final pressure drop	
	30mm. Particle retention 0.3 micron,	550 mm
	efficiency 99.997% at rated velocity.	1289 mm
	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.	3
	IPD 6mm, Particle Retention: 5 Micron.	
	Efficiency: 95 %.	
Material of	Main cabinet made of galvanized iron	
construction	sheet with PU paint coated finish.	
	(Also available in IS304 grade SS	
	construction)	
Blower Assembly	Outer rotor type blower, driven by	
Diower Assembly		
Standard	230V, singe phase1440 RPM Motor	
Standard	5/15A power point, power chord with	LEGENDS
accessories	5 amps plug top, floor leveling screws,	1 PRE FILTER
	castors & gas inlet	2 MOTOR BLOWER ASSEMBLY 3 DAY LIGHT
Standards	US FED STD 209 E, ISO 14644-1, IEST-	4 HEPA FILTER
compliance	RP-CC-002-2, EN 12469:2000 & EN	5 UV LIGTHT 6 SIDE GLASS
	61010-1:2010	7 ON/OFF CONTROL
Weight before	Approximate 200 KG	8 P C SHEET DOOR - FOLDING TYPE 9 INCLINED MANOMETER
packing		10 CASTOR WHEEL
Weight after	Approximate 240 KG if packed	
packing		
Optional if required	5. Motorized Front Door	Maye IN Dight
		MARKELINHINDIA
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51	ERVING SCIENCE SI	NCE 1991

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

A Cleanroom work-station or a LAMINAR AIRFLOW is capable maintaining an atmosphere essentially free from air borne particulate maters. 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.

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Product code	САН 1800	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	Ala a a a a a a a a a a a a a a a a a a
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	Airflow Pattern
	polish	
Front door	4 mm thick clear polycarbonate –	D
	Folding Type	C
Side Panels	5 mm thick polycarbonate	A Front
U V lamp	3 Feet, 30 Watts, Make – PHILIPS: 2 Nos	opening B - Suupy Gell
Illumination	4 Feet, 40 Watts, LED TUBES:2 Nos	C -Suuphy HEPA
	minimum 700 lux	D - Supply
Pressure (ΔP)	Inclined Manometer 0 –25 mm range	E- Blower F- Geille
Power Supply	230V, Single phase, 50 Hz	
HEPA Filter	H 14 grade, Mini-pleat HEPA filter in	E HERA FILTERED AIR
	separator less construction in anodized	HORIZONTAL LAMINAR AIRFLOW
	aluminum extruded frame with protective	U. I. Manufacture and the second s
	mesh on both side and tubular rubber	
	gasket on downstream side. Initial	

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	pressure drop 12 mm, final pressure drop	Schematic Drawing	
	30mm. Particle retention 0.3 micron,		
	efficiency 99.97% at rated velocity.		
	Size: 915x600x65 mm two Numbers		
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 x 2 Nos		
Material of	Main cabinet made of galvanized iron		
construction	sheet with PU paint coated finish. (Also available in IS304 grade SS construction / Ply lam/ PP)		
Blower Assembly	<i>Outer rotor type blower, driven by 220V, singe phase1440 RPM Motor</i>		
Standard	5/15A power point, power chord with		
accessories	5 amps plug top, floor leveling screws, castors & gas inlet	LEGENDS	
Standards	US FED STD 209 E, ISO 14644-1, IEST-	2 MOTOR BLOWER ASSEMBLY	
compliance	RP-CC-002-2	3 DAY LIGHT 4 HEPA FILTER	
Weight before packing	Approximate 200 KG	5 UV LIGTHT 6 SIDE GLASS 7 ON/OFF CONTROL	
Weight after packing	Approximate 350 KG if packed in full wooden crate box	8 P C SHEET DOOR - FOLDING TYPE 9 INCLINED MANOMETER 10 CASTOR WHEEL	
<i>Optional if required</i>	 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 	MAKE IN INDIA	
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