

Aerius Industries Pvt. Ltd.

(Previously known as Madhav Industries)

CIN- U74999HR2018PTC074466

Purity at its Finest

GSTIN-06AARCA0103G1Z5

PAN- AARCA0103G

An ISO 9001:2015, WHO-GMP & CE Certified Co.

TAN- RTKA13956F

“Aerius Industries Pvt. Ltd.” is catering to niche market of Pharma & Biotech, clean & Green Industry and have created a very strong foothold pan-India; we are well positioned to handle projects very deftly across India & overseas. We completed our third year of operation successfully.

The bullet points of our scope of activities are as follows

Dispensing & Sampling Booths

Laminar Air flow – Vertical / Horizontal/Hanging/ Mobile

Pass Boxes – Dynamic and Static Bio Safety Biological Safety Cabinet

Fume Hood

Air Shower

De Dusting Booth

Garment Cabinets

Laboratory Furniture in MS powder coating Construction/ SS Construction

Complete range of Air Filters ranging from G1 to H14 for various applications and their housings

Scientific Doors and Flushed Windows

Clean Room Garments

Air Curtain

Fan Filter Unit

Enclosed please find our offerings & company overview regarding above for your kind reference.

COMPANY OVERVIEW

Manufacturer, Trader and Service Provider of HEPA Filters & Surgical Equipments

Aerius Industries Pvt. Ltd. located in Faridabad, is one among the acknowledged and leading distributors and suppliers in NCR region. We are in business since 2015 and since then we made conscientious strides to offer top-notch and best-in-class products to their clients each time.

Over time, we made an incredible mark in the healthcare industry. One can choose from a diverse and comprehensive product range of our surgical, medical, hospital and mobility equipments. Certified by relevant quality standards, our product carries a high degree of precision, attributing a certain degree of reliability. This enterprise also provides validation and calibration services along with clean room design, development, construction and installation.

With our technical expertise and know-how of field, we are in business of different low temperature equipment's starting with chillers, clean rooms, environmental test chambers, dehumidifier systems and précised air conditioning systems. Our products are broadly used by patrons due to their top features. Moreover, Due to our customer centric approach, transparent dealings, and right business strategy, we have achieved a prominent position in this area among our competitors. Under profound leadership of our mentor Mr. Gopal Sharma, we have acquired a renowned position in the market.

Towards social contribution we continue to try our best to bring smiles to each and every face we come across, by focusing to our motto devotion towards achieving excellence which is also our tagline “Purity at Its Finest”.

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We intend to contribute in the development of society by becoming a trustworthy partner for everybody, providing services & new technologies to fulfill the requirements of society. We would request for your continued support to Aerius Industries.

QUALITY ASSURANCE

ISO 9001: 2015 sets out the criteria for a quality management system and is the only standard in the market that can be certified to (although this is not a requirement). It can be used by any organization, large or small, regardless of its field of activity. In fact, there are only one million companies and organizations in over 170 countries certified to ISO 9001.

QUALITY STANDARDS

CE marking is a certification mark that indicates conformity with health, safety, and environmental protection standards for products sold within the European Economic Area (EEA). The CE marking is also found on products sold outside the EEA that are manufactured in, or designed to be sold in, the EEA.

QUALITY POLICY

Aerius Industries is committed to enhance stakeholder's satisfaction by providing world class quality products, cost competitive services and on time delivery by complying with the requirements of quality & Environment Management system.

WHY US?

Based in Faridabad, Haryana, India, we are a well-known firm, involved in providing an exclusive series of products & services to our customers. Our strong areas are,

- Large Distribution Network
- Quality Products Range
- On Time Delivery/Completion of Work
- Various Payment Modes &
- Affordable Prices

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Certificate of Compliance

This is to certify that

AERIUS INDUSTRIES PVT. LTD.

at

PLOT NO. 1, FIRST FLOOR, BRAD FACTORY TURN, TIGAON ROAD, NEAR MDPS SCHOOL,
INDIRA COMPLEX, NEHARPAR, FARIDABAD-121101, HARYANA, INDIA

has been assessed and found to be conforming the requirements of Class-I
Medical Devices Directive 93/42/

The technical documentation / inspection / test results comply with the requirements of
Class-I Medical Devices Directive 93/42/EEC. Hence the manufacturer has issued a
Declaration of Conformity according to test report and places the CE marking with his own
responsibility as follows:

CE

For the products of :

**MANUFACTURING & SUPPLY OF SCIENTIFIC, SURGICAL EQUIPMENT'S
& AIR FILTERS.**

Certificate No.: CE-12072

Validity of this certificate can be verified at www.ukcert.co.uk

Date of initial registration

19th July 2018

Date of this certificate

19th July 2018

Certificate expiry

18th July 2021

Recertification due (subject to the company
maintaining its system to the required standard)

18th July 2021

Daniel
Authorised Signatory



This certificate is the property of UK Certification & Inspection Limited and shall be returned immediately on request
4 Jupiter House, Calleva Park, Aldermaston, Reading Berkshire RG7 8NN, UK
Website: www.ukcert.co.uk

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Certificate
OF REGISTRATION

This is to Certify that the
Quality Management System
of



AERIUS INDUSTRIES PVT. LTD.

PLOT NO. 1, FIRST FLOOR, BRAD FACTORY TURN, TIGAON ROAD,
NEAR MDPS SCHOOL, INDIRA COMPLEX, NEHARPUR,
FARIDABAD-121101, HARYANA, INDIA

Has been independently assessed and is compliant
with the requirements of

ISO 9001:2015

This certificate is applicable to the following product or service ranges:

MANUFACTURING & SUPPLY OF SCIENTIFIC, SURGICAL
EQUIPMENT'S & AIR FILTERS

Integral Certification (P) Ltd.

:: Certificate No :: IN7292A

Date of this initial Registration	18 July 2018
Date of this certificate	18 July 2018
Surveillance audit on or before	13 July 2019
Recertification Due/ Certification expiry	17 July 2021

Paaw
Director

Validity of this Certificate is subject to completion of surveillance audit on or before of due date in case surveillance audit not allowed to be conducted this Certificate shall be suspended / withdrawals. This certificate is property of ICL Certifications and shall be returned immediately when demanded.

Accreditation

Integral Certification (P) Ltd.
U-60 (3rd Floor), Shakar Pur, Laxmi Nagar, Delhi-110092
E-mail: info@iccert.com
Website : www.iccert.com
Contact No. : +91-11-33257055
For verification and updated information concerning the present certificate visit to www.iccert.com



This Certificate is the property of Integral Certification Private Limited and shall be returned immediately when demanded.

ICL/FM-001/REV/05

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Certificate of Compliance

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at

PLOT NO. 1, FIRST FLOOR, BRAD FACTORY TURN, TIGAON ROAD, NEAR MDPS SCHOOL,
INDIRA COMPLEX, NEHARPAR, FARIDABAD-121101, HARYANA, INDIA

has assessed and found working satisfactorily as per the norms of

"Good Manufacturing Practice"

as laid down by World Health Organization

WHO- GMP

For the following scope of Activities :

**MANUFACTURING & SUPPLY OF SCIENTIFIC, SURGICAL EQUIPMENT'S
& AIR FILTERS.**

Certificate No : UF-7978

Validity of this certificate can be verified at www.ukicert.co.uk

Date of initial registration

19th July 2018

Date of this certificate

19th July 2018

Certificate expiry

18th July 2021

18th July 2021

Recertification due (subject to the company
maintaining its system to the required standard)

Daniel
Authorised Signatory



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Website: www.ukicert.co.uk

Cleanroom & OT Validation, Modular OT & Cleanroom Construction & Services, Cleanroom Equipments and Air Filters
Reg. Add. :-First Floor, Plot No.-1, Bread Factory Turn, Tigaon Road, Near MDPS School, Indira Complex, Neharpar,
Faridabad- 121002 Haryana, India

Contact No. +91-9899360148, +91-9044455953 Email: - salesmadhav2@gmail.com, aeriusindustries@gmail.com

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Factsheet

GENERAL INFORMATION	
Nature of Business	Manufacturer
Additional Business	Service Provider
Total Number of Employees	11 to 25 People
Year of Establishment	2015
Legal Status of Firm	Private Limited
Annual Turnover	Up to Rs. 1.5 Crore
STATUTORY PROFILE	
Pan No.	AARCA0103G
GST No.	06AARCA0103G1Z5
PACKAGING/PAYMENT AND SHIPMENT DETAILS	
Payment Mode	<ul style="list-style-type: none">• Cheque• Online Payment• Demand Draft
Shipment Mode	By Road, By Air

Our Services in Brief

- To install clean room of class 100 to 100000.
- HVAC Project (Installation of AHU / Chillers / Cooling Tower / Chilled Water Pump).
- Ducting, piping & insulations (SS / GI / MS / Plastic).
- Flooring: Epoxy, PVC, Antistatic & Non Antistatic, Granite & others.
- Pre fabrication, pre engineering & puff panels structure.
- Freezer, deep freezer & cold storage panels.
- Clean room doors, emergency doors, fire proof door & fire protection solutions.

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-
- Clean room garments, sticky mats, cleaning rollers & pads.
 - AMC for Clean Room & HVAC Projects.
 - Design, validation, training & up gradation of existing clean room.
 - Consultancy for quality / productivity improvement.
 - Consultancy for clean room output & dust prevention.

Our Products

- HEPA Filters (Mini Pleate, Deep Pleate & Hot Glued)
- PRE, MICROVEE & FINE Filters
- Laminar Air Flow Unit
- Bio Safety Cabinet
- Fan Filter Unit
- Commercial Fresh Air Unit
- Portable Room Laminar Air Flow Unit
- Fume Hood
- Hepa Filter Housing
- Clean Room Air Shower
- Static Pass Box
- Dynamic Pass Box
- Sterile Garment Storage Cabinet
- Sampling/ Dispensing Booth

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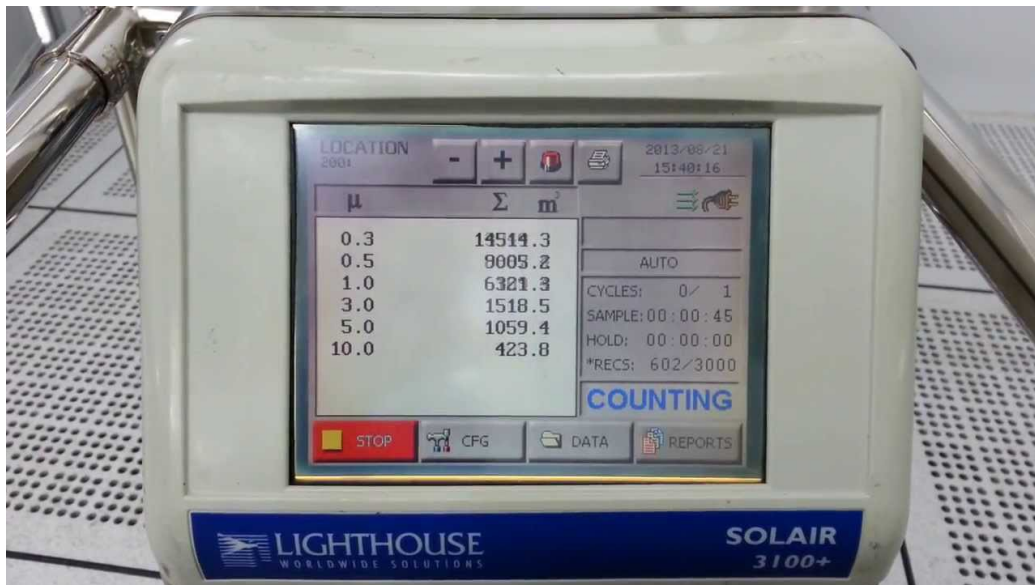
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CLEANROOM VALIDATION AND TESTING

WE SPECIALISE IN CLEANROOM VALIDATION FACILITIES AND OFFER A COMPLETE RANGE OF PERFORMANCE TESTS INCLUDING:

- AIR VELOCITY TEST & AIR CHANGE PER HOUR
- HEPA FILTER INTEGRITY TESTING
- ROOM DIFFERENTIAL PRESSURE MEASUREMENT
- NON-VIABLE AIRBORNE PARTICULATE MONITORING
- TEMPERATURE & RELATIVE HUMIDITY MEASUREMENT
- CLEAN-UP RECOVERY TEST



OUR PROFESSIONALLY QUALIFIED TESTING EXECUTIVES ARE ABLE TO OFFER COMPREHENSIVE CLEANROOM VALIDATION TO YOUR REQUIREMENTS OF ALL CURRENT STANDARDS AND GUIDELINES INCLUDING:

- ISO
- WHO
- GMP
- OTHER CORPORATE SOP'S

OUR DOCUMENTATION:

WE TAKE PRIDE IN PRODUCING PROFESSIONAL, WELL STRUCTURED REPORTS TO ENSURE YOUR AUDITS ARE TROUBLE FREE.

OUR REPORTING FORMAT IS COMPLETELY FLEXIBLE AND WILL INCLUDE:

- CONCISE SUMMARY OF RESULTS.

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- DEFINED ACCEPTANCE CRITERIA FOR EACH TEST CONDUCTED.
- TEST CERTIFICATION WITH FULL RESULTS AND RAW DATA COLLECTED.
- CALIBRATION CERTIFICATES FOR ALL TEST EQUIPMENT USED.
- REPORT CONCLUSION AND RECOMMENDATIONS

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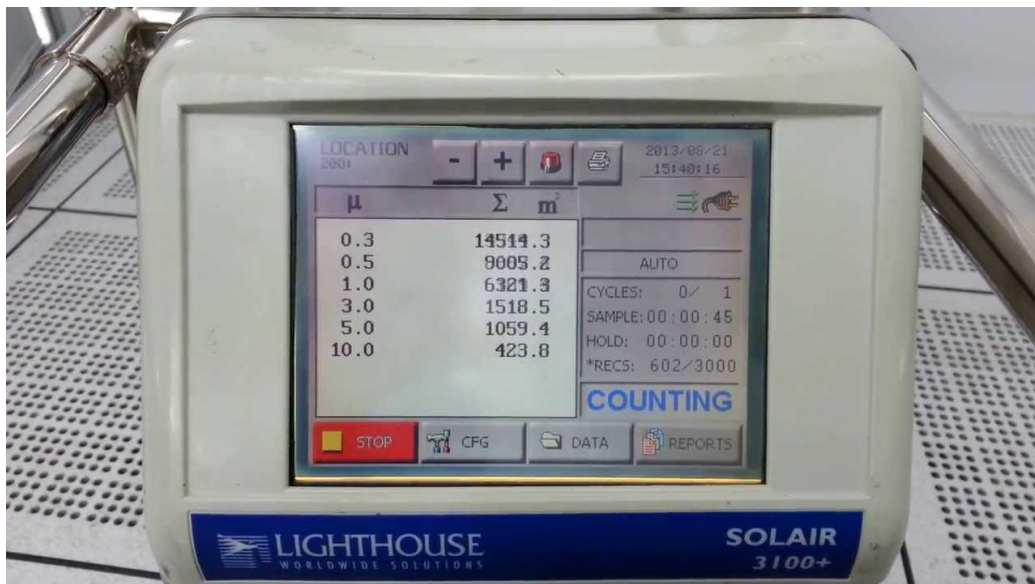
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TAN- RTKA13956F

OT VALIDATION AND TESTING

WE SPECIALISE IN OT VALIDATION FACILITIES AND OFFER A COMPLETE RANGE OF PERFORMANCE TESTS INCLUDING:

- AIR VELOCITY TEST & AIR CHANGE PER HOUR
- HEPA FILTER INTEGRITY TESTING
- ROOM DIFFERENTIAL PRESSURE MEASUREMENT
- NON-VIABLE AIRBORNE PARTICULATE MONITORING
- TEMPERATURE & RELATIVE HUMIDITY MEASUREMENT



OUR PROFESSIONALLY QUALIFIED TESTING EXECUTIVES ARE ABLE TO OFFER COMPREHENSIVE OPERATION THEATER VALIDATION TO YOUR REQUIREMENTS OF ALL CURRENT STANDARDS AND GUIDELINES INCLUDING:

- ISO
- NABH

OUR DOCUMENTATION:

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OUR REPORTING FORMAT IS COMPLETELY FLEXIBLE AND WILL INCLUDE:

- CONCISE SUMMARY OF RESULTS.
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Who may be our Customers?

- Automobile Industries
- Pharmaceuticals Industries
- Health Care / Hospitals
- Food & Drink Manufacturing Plants
- Quality Labs
- Water & Beverage Processing Plants
- Electronics Industries
- Labs for Institutions Research Centre
- Laboratory / Diagnostic Centre / Life Science Lab
- Cosmetic Manufacturing Industries
- Paint & Print Shop
- Engine Assembly
- Final Assembly
- PCB Manufacturing Industries / SMT
- Semi Conductor Industries
- Injection molding Shops (Acrylics & PC)
- Energy & Nuclear Power Plant
- Multi Brand Retail Market

Our CLIENTS

- Path lab (Okhla, Delhi)
- Nova IVF Fertility (Safdarjung Delhi)
- MIMHANS Hospital (Meerut, Uttar Pradesh)
- Sarvodaya Multispecialty Cancer Hospital (Hisar, Haryana)
- Nayati Hospital (Mathura, Uttar Pradesh)
- Pradeep Hospital & Fracture Clinic (Bharatpur, Rajasthan)
- Nova IVF (Jalandhar, Punjab)
- QRG Central Hospital (Faridabad, Haryana)
- KMC Hospital (Meerut, Uttar Pradesh)
- Bharti Eye Hospital (Delhi)
- Narayana Multispecialty Hospital (Jaipur, Rajasthan)
- Globus Hospital for Joint Replacement (Kanpur, Uttar Pradesh)
- CSIR (Pilani, Rajasthan)
- Bajaj Eye Care (Delhi)
- Care & Care Medical (Karnal, Haryana)
- Fortis Hospital (Noida, Uttar Pradesh)
- SUM Hospital (Bhubneshwar, Odisha)
- Prayag Hospital (Noida, Uttar Pradesh)
- National Heart Institute (Delhi)
- Kusuma Hospital (Banglore, Karnatka)
- Khetrpal Hospital (Ramesh Nagar, Delhi)
- M Genix Diagnostics (Jaipur, Rajasthan)

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-
- Indraprastha Medical Corporation (New Delhi)
 - Dr. Manpreet Singh, Global Eye Hospital (Patiyala, Punjab)
 - Jaipur Golden Hospital (Rohini, Delhi)
 - Mahatma Gandhi University of Medical Sciences and Technology (Jaipur, Rajasthan)
 - Forrd Hospital (Lucknow, Uttar Pradesh)
 - Futela Hospital (Rudrapur, Uttarakhand)
 - Newtech Medical Devices (Faridabad, Haryana)
 - Alchem International Pvt. Ltd. (Faridabad, Haryana)
 - Poly Medicure Ltd. (Jaipur, Rajasthan)
 - Jamia Islamia University (Delhi)
 - Craftsmen Labelmakers Pvt. Ltd. (Kundli, Sonapat, Haryana)
 - Craftsmen Graphics (Dehradun, Uttarakhand)
 - Ezee Plates (Ambala, Haryana)
 - GETWELL Pharma (Ghaziabad, Uttar Pradesh)
 - Finebiotics (Rudrapur, Uttarakhand)
 - INDO NISSIN Foods Pvt Ltd. (Bhubneshwar, Odisha)
 - INTERNATIONAL PANACEA LTD. (Haridwar, Uttarakhand)
 - PRAGYA RESEARCH LABORATORIES PVT (Noida, Uttar Pradesh)
 - Sophisticated Industrial Materials Analytic Lab Pvt. Ltd. (Haridwar, Uttar Pradesh)
 - Virk Hospital Pvt. Ltd. (Karnal, Haryana)
 - Bharti Eye Foundation (New Delhi)

And Many More.....

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TECHNICAL Product Description

HEPA FILTER (Mini Pleat) EU-13

SUITABLE FOR

- Air Filtration of 0.1 μ to 0.3 μ particles.
- Secondary filtration for class 10 or better clean room.
- Final filtration for clean room industry like Electronic, pharmaceuticals,
- Medical disposable, Biotechnology, Photo film, Optical & critical O.T.'S etc.
- Clean Air equipment like laminar flow work stations, Bio Safety Cabinets Dispensing booths etc.

Aerius Industries filter are manufactured & tested in state of arts machinery and testing facilities. Filters are tested D.O.P. test method as per EN-1822.

STANDARD SIZES & TECHNICAL DATA

Standard Size Panel (mm)			Air Flow (CFM)	Pressure Drop		DOP Efficiency	Test Std.	Approx Wt. (kg/)
H	W	D		Initial \leq	Final \leq			
610	610	69	500	16mm	50mm	> 99.97 % @ 0.3micron	EN-1822 4/5	3.2
610	915	69	750	16mm	50mm			4.4
610	1220	69	1000	16mm	50mm			6.8
610	610	125	1000	16mm	50mm			8.7
610	915	125	1500	16mm	50mm			11.6
610	1220	125	2000	16mm	50mm			6.7

CONSTRUCTION & STANDARD

Filter Media	:	Micro Fiber Glass Paper Mini Pleat
Separator	:	Aluminum Foil
Frame Material	:	Aluminum /SS
Frame Type	:	Box / Flange
Max. Op. Temp.	:	120°C
Max. Humidity	:	100%RH
Sealant	:	Harness/Epoxy
Gasket	:	Chloroprene/Neoprene/PE Foam
Direction of Air Flow	:	As desired

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HEPA FILTER (Deep Pleat) EU-13

SUITABLE FOR

- Air Filtration of 0.1 μ to 0.3 μ particles.
- Secondary filtration for class 10 or better clean room.
- Final filtration for clean room industry like Electronic, pharmaceuticals,
- Medical disposable, Biotechnology, Photo film, Optical & critical O.T.'S etc.
- Clean Air equipment like laminar flow work stations, Bio Safety Cabinets Dispensing booths etc.

Aerius Industries filter are manufactured & tested in state of arts machinery and testing facilities. Filters are tested D.O.P. test method as per EN-1822.

STANDARD SIZE & TECHNICAL DATA

Standard Size Panel mm			Air Flow CFM	Pressure Drop		DOP Efficiency	Test Std.	Approx Wt. (kg?)
H	W	D		Initial \leq	Final \leq			
610	610	305	1000	16mm	50mm	>99.97% @0.3micron	JIS-B9908	8.6
610	305	305	500	16mm	50mm		&	6.3
305	610	305	500	16mm	50mm		JIS-K3801	6.3
305	305	305	250	16mm	50mm		DOP N and	3.2
610	610	150	500	16mm	50mm		Scan Test	4.4
915	610	150	750	16mm	50mm		As per	6.8
1220	610	150	1000	16mm	50mm		EN 1822-4/5	8.7
610	610	305	2000	22mm	50mm		@0.3 μ	10.5

CONSTRUCTION & STANDARD

Filter Media	:	Micro Fiber Glass Paper Deep Pleat Panel
Separator	:	Aluminum Foil
Frame Material	:	Aluminum /SS/MS
Frame Type	:	Box / Flange
Max. Op. Temp.	:	120°C
Max. Humidity	:	100%RH
Sealant	:	Epoxy Resin

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Gasket : Syn Rubber/PE Foam/Chloroprene/Neoprene
Direction of Air Flow : As required

FINE FILTER (Semi Hepa) EU-9

SUITABLE FOR

- Air filtration of 0.3 μ to 1 μ particles.
- Secondary filtration in critical clean room industry such as vaccine, Production Work, Injection Filling work etc.
- Final Filtration in Mirror O.T.'S & In-patient- care, Photo film industry.

Aerius Industries filter are manufactured & tested in state of arts machinery and testing facilities. Filters are tested D.O.P. test method as per EN-1822.

STANDARD SIZE & TECHNICAL DATA

Standard Size Panel mm			Air Flow CFM	Pressure Drop		DOP Efficiency	Test Std.	Approx.Wt. (kg?)
H	W	D		Initial \leq	Final \leq			
610	610	305	2000	7.5mm	25mm	>95%	Individually	7.5
610	305	305	1000	7.5mm	25mm		Tested for	5.4
305	610	305	1000	7.5mm	25mm		Fractional	5.5
305	305	305	500	7.5mm	25mm		Particle	3.0
610	610	150*	1000	7.5mm	25mm		Count n by	4.0
Approx : micron n=97% at 3 μ								

CONSTRUCTION & STANDARD

Filter Media : Micro Fiber Glass Paper Deep Pleated
Separator : Aluminum Foil/Hot Melt
Frame Material : Aluminum /GI
Frame Type : Box / Flange
Max. Op. Temp. : 80°C
Sealant : Epoxy Resin
Gasket : Syn
Direction of Air Flow : Flange to Cassette or reverse

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FINE FILTER EU-8

SUITABLE FOR

- Air filtration of 0.3 μ to 1 μ particles.
- Secondary filtration μ Clean room industry such as Electronic, Pharmaceuticals, Medicals devices, Photo Film & many others.
- Final Filtration in Mirror O.T.'S & Hospitals & Smoking Ares.

Aerius Industries filter are manufactured & tested in state of arts machinery and testing facilities.

STANDARD SIZE & TECHNICAL DATA

Standard Size Panel mm			Air Flow CFM	Pressure Drop		DOP Efficiency	Test Std.	Approx.Wt (kg?)
H	W	D		Initial \leq	Final \leq			
610	610	150	1000	6.5mm	20mm		Type	4.0
610	305	305	1000	6.5mm	20mm	90=95%	Tested	4.2
305	610	305	1000	6.5mm	20mm		As	4.0
305	305	305	500	6.5mm	20mm		BS 6540/	2.1
610	610	305	2000	6.0mm	20mm		EN 779	7.0
610	610	636*	1000	6.5mm	20mm			1.8

Approx : micron n=95% at 1 μ , 70% at 0.33 μ

CONSTRUCTION & STANDARD

Filter Media	:	Non Woven Synthetic Deep Plated/panel /pocket type
Media Support	:	Aluminum/GI/HDPE Mesh
Frame Material	:	Aluminum /GI/MS/SS
Frame Type	:	Box / Flange
Max. Op. Temp.	:	80°C
Sealant	:	Epoxy Resin
Gasket	:	None (Box type & Pocket type) Syn Rubber / PE Foam (Flange/Panel)
Direction of Air Flow	:	Flange to Cassette or reverse

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GSTIN-06AARCA0103G1Z5

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An ISO 9001:2015, WHO-GMP & CE Certified Co.

TAN- RTKA13956F

BIOLOGICAL SAFETY CABINETS

Biosafety cabinets are used as the primary means of containment for working safely with infectious microorganisms. However, Biosafety cabinets are only one part of an overall Biosafety program, which requires consistent use of good microbiological practices.

Biosafety cabinets are designed to prevent biological exposure to personnel and the environment and may also protect experimental material from being contaminated when appropriate practices and procedures are followed. Three kinds of Biosafety cabinets, designated as Class I, II and III have been developed to meet varying research and clinical needs.

Biological safety cabinets use high efficiency particulate air (HEPA) filters in their exhaust and/or supply systems. These filtered cabinets are primarily designed to protect against exposure to particulates, including biological agents used in the cabinet. **Protection against exposure from fumes generated by radionuclide's and toxic chemicals is only provided by Class II, Type B Biosafety cabinets, which are ducted directly to the facility exhaust.**

Class II, Type B2 cabinets are total exhaust cabinets, widely used in toxicology laboratories and similar applications where chemical effluent is present and clean air is essential,

- There is no recirculation within the work area.
- Room air enters through a blower/motor in the top of the cabinet and passes through a HEPA supply filter into the work area as the vertical unidirectional airflow.
- Descending air is pulled through the base of the cabinet through the perforated front and rear grilles.
- Simultaneously, air entering through the perforated front opening is pulled through the grille and exhausted immediately.
- 100% of the air is pulled into the facility exhaust system for appropriate treatment.
- Type B2 cabinets must be hard-connected to an exhaust system and vented outside the building without recirculation.
- Facilities must be involved in the installation of the B2 Cabinet.

In order for the BSC to operate as designed and be properly maintained, the following guidelines have been developed.

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Direct-duct all Class II, Type B2 BSCs to an exhaust system vented to the outside of the building without recirculation. Each Biosafety cabinet shall have one duct and one exhaust fan. Class II Type B2 cabinets should be installed if routine use of volatile toxic chemicals, volatile radionuclide's, or noxious specimens or cultures is expected.

- Plenums or ducts carrying contaminated air shall be maintained under negative pressure or enclosed within a directly exhausted (non re-circulated) negative pressure zone.
- The exhaust fan shall be sized to deliver the required exhaust airflow (as specified by the cabinet manufacturer), considering pressure losses in the duct and allowing at least 1 in w.g (500 Pa) for a dirty HEPA filter.
- An alarm must be installed to indicate loss of exhaust flow. Each B2 cabinet must have its own dedicated exhaust system. This can be an exhaust volume flow or measuring device in the duct downstream of the exhaust filter, sail switch at the fan discharge, or flow measuring station in the exhaust duct.
- Provide an alternate room exhaust duct for use when the BSC is "off". A bypass damper using the BSC exhaust fan is acceptable.
- A Bag-In/Bag-Out Unit for both the exhaust and recirculation system is required in B2 cabinets. This protects the technician handling the filter as well as the environment. See Figure 2 – Bag-In/Bag-Out Unit
- A voltage regulator shall be installed in-order to reduce the potential of variations in airflows. 5 amp breakers shall be utilized on the B2 cabinet.

STANDARD SIZE & TECHNICAL DATA

Cabinet	:	The body is made of laminated board covered with Sun mica inside from outside & Powder coated.
Work Table	:	SS-304
Front & Side	:	Made of Acrylic Sheet / Polycarbonate Sheet Door
Pre Filter	:	DOP tested having -99.97% down to 0.3 μ
Air Flow	:	Top to downward 70% of the air volume is recirculated 30% is exhausted.
UV Light	:	15/30W, Fluorescent tube.
Pressure	:	Manometer / Magnehalic Gauge (0-50 mm. MG)
Power	:	230 V 50Hz Less than 65 db.
Velocity	:	90 \pm 20% FPM
Blower	:	Heavy duty dynamically balanced Motor blower assemblies are mounted on anti

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Vibration mounts.

Exhaust : Exhaust system with HEPA Filter.

Model	Working	Area	Size
	W	D	H
AIBC-103	3'	2'	2'
AIBC-104	4'	2'	2'
AIBC-106	6'	2'	2'

Laminar Air Flow (Vertical)

STANDARD SIZE & TECHNICAL DATA

- Air Flow : Top to downward (90±20% FPM)
Pre Filter : 90% down 10µ
HEPA Filter : D.O.P. tested having >99.97% down to 0.3µ
Noise level : Less than 65db
Light level : Exceed 100ft candles in work Area
Vibration : 0.0001" average displacement on work table
Power Supply : 230V / 50Hz Single phase AC
UV Lamp : 15/30W, make Phillips Holland
Switches : Micro processor based switches for blower fluorescent light & UV light with LCD back light display
Work table : Made of SS-304 gr , cock for gas on work table.
Cabinet : The body is made of laminated board covered sun mica from outside & epoxy painted from inside/ SS 304/MS Powder coated.
Heavy duty : Dynamically balanced motor blower Assemblies are
Blower : Mounted on anti vibration pads
Front & Side : Acrylic Sheet (Transparent)/ polycarbonate sheet door

Model	Working	Area	Size
	W	D	H
AIL-103	3'	2'	2'
AIL-103	4'	2'	2'
AIL-106	6'	2'	3'
AIL-108	8'	2'	2'

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