SRSE
CLEANROOM TECHNOLOGIES

Formally Known as
SAI RAM INNOVATIVE TECHNOLOGIES

SRIT
SAI RAM INNOVATIVE TECHNOLOGIES
CLEAN ROOMS

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ABOUT US

Mr. M. Raghu Chandra Reddy who prompted this Organization had done his masters in Mechanical Engineering.

He started his career at an earlier age in Manufacturing, Design & execution of cleanroom products. He has Vast knowledge on cleanroom Concepts and connected aspects, Like Air handling unit, other cleanroom equipments for HVAC application as well as process instrumentation. He worked in a MNC company in 2002 and executed all clean room related products for a period of 5 years. Overall he has 20 years of experience in this field.

Mr. M.Raghu Chandra Reddy is a first generation entrepreneur. He has developed entrepreneurial skills and developed SRIT in highly competitive industry.

The clientele he has served and the volume of delivered speaks eloquently about his abilities supplying and service providing of impeccable range of Air Handling Unit, Clean Room Equipment, Airflow Control System, and many more products.

Company has got good response from Market and Brand image has taken place over a period of times. Now it is known as SRSE Cleanroom Technologies.

Our New Manufacturing Unit has state of the art of equipment spread over an Area of 800 Sqmt.

We are fully conscious of environmental issues that are a great matter of concern to all of us.

Hence we have consciously used environmentally friendly materials in our products any customer wants any product or service will provide as follows

SRSE / SRIT technologies is capable of delivering unique features in the products and services

★ Value for money ★

★ Supportive service ★

★Long Lasting ★

★Environmentally friendly ★

We are fully aware of the requirements and committed to deliver under all the aspects described above. We will delight to our customers.

VISION

Our vision is represented as a path along which all future steps are taken in order to achieve long-tern sustainable development and Aim to exceed our client's expectations through service, communication and quality workmanship. Produce quality workmanship through attention to detail and innovative solutions.

To be the first choice for our customers right from the beginning as they develop their projects. To be creative in maintaining effective processes. To be an inspiration in the milieu in which we work, to be a builder of success. The SRIT trademark is grounded in the promotion of a responsible approach to the environment.

TURNKEY CLEANROOMS

- Air Handling Units
- Cleanroom Partitions
- Cold Rooms
- Cleanroom Doors

OUR PRODUCTS

- CLEAN ROOM WALL & CEILING PANELING - AIR HANDLING UNITS
- COLD ROOMS - CLEAN ROOM DOORS
- SAMPLING / DISPENSING BOOTHS
- HORIZONTAL & VERTICAL LAF BENCHS
- DYNAMIC / STATIC PASS BOXES
- AIR SHOWER
- GARMENT STORAGE CABINET
- DUST COLLECTORS
- BIO SAFETY CABINET
- CLEAN ROOM VIEW PANELS
- COOLING AND HEATING COILS
- MODULES / DAMPERS AND GRILLS

OUR VALIDATION SERVICES

- AIR VELOCITY/UNIFORMITY TEST
- FILTER INTEGRITY TEST
- PARTICLE COUNT TEST
- RECOVERY TEST
- RESERVE BALANCING TEST
- RELATIVE HUMIDITY TEST
- TEMPERATURE MEASUREMENT
- CONTAINMENT LEAK TEST
- AIRFLOW PATTERN TEST
- AIR DUCT LEAK TEST
- PRESSURE BALANCING

CLEAN ROOM PARTITIONS

SRSE offers wide variety of cleanroom wall panels to the industry in order to accommodate a variety of modular cleanroom applications.

FEATURES

Air Cleanliness

Wall System suitable for ISO 5 (Class 100) to ISO 8 (Class 100,000)

Modular Wall System (Non-progressive & progressive)

- A Non-progressive system allows easy installation & dismantling of panels
- A progressive is suitable for cleanrooms which need minimal / no changes in future

Modular Walkable ceiling with standard load bearing capacity

Loads up to 180Kg/m2

Factory Made Cut-outs

Cut-outs as per requirement to accommodate filter housings, light fixtures, diffusers, electrical sockets, pendants, riser grills etc.

Emergency Exit Panel (Single Glass)

The Glass can be broken to make a way to exit in case of emergency.

Suitable for wide Cleanroom Applications in

- **Pharmaceutical:** Pharmaceutical applications require panels that can withstand repeated cleaning and sanitization with various chemicals to resist microbial and fungal growth over prolonged periods of time.
- **Custom:** We offer Pre-painted, powder coated & SS304 panels as per client's requirement.
- **Microelectronics:** Aluminium honeycomb panels tend to be the most popular wall panels chosen for microelectronics cleanrooms

Options of PUF/PIR Rockwool Insulations

Safety is more important we provide extra attention towards installation and safety

SPECIFICATIONS

Air Cleanliness

Class 100 to Class 100,000

Material of Construction

Pre-coated or Coated GI
Aluminium • SS

Infill/Insulator

Polyurethane Foam (PUF)
Rockwool • PIR

Finish

Epoxy polyester/Pure polyester painted galvanized steel sheet

Density of Insulation Material

PUF - 40 2 ± Kg/m3
Rockwool - 48/96/144 Kg/m^3

MODELS	Model	Width (W)	Thickness (T)	Height (H)
	Wall Panels	285/590/895/1200mm	50/60/80/100mm	Upto 6mts
	Ceiling Panels	285/590/895/1200mm	50/60/80mm	Upto 6mts

AIR HANDLING UNIT

TYPE I

The AHU consists of a double skin modular construction. The System is of a Recirculation type connected to the area through the ducts. The Air Handling Unit will suck 10 – 20 % fresh air from atmosphere & 80 - 90% of return air from rooms and mix with each other. Then the air passes through 10 Micron filters and cooling coil and after that air will be sucked by blower. The air then passes through 5 Micron and from there passes through 0.3 micron filter. The air then enters into the individual rooms with the help of supply air duct. The Return air passes through return terminal and then the air sucks the air through Supply Air Handling Unit with the help of return air duct.

TYPE II

The AHU consists of a single skin modular construction. The System of Once through and connected to the areas through ducts. The Air Handling Unit will suck 100% fresh air from atmosphere and the air passes through 10-micron filter, cooling coil after motor & blower. The blower blows air through 5 Micron filters, 0.3 Micron filters after supply air terminal and then air enters into the individual rooms with the help of supply air duct.

CLEANROOM SYSTEM

SRSE Cleanromm systems is an integrated service facilitate can provide flooring, ceilings and mechanical components to Provide highest levels of safe environment with effective control of airflow, pressure, temperature, humidity and filtration. Cleanroom application is widely used in research laboratories for biotech, Semiconductor, microelectronics, food and beverages, textiles, hospitals, life sciences and pharma etc. Pharmaceutical industry and hospital requirements are exacting and SRIT understands those standards and the products stand the rigour required

SRSE Offers state of the art products and solutions :

Excellent Quality Insulation Fire Retardant Properties

Light Weight and Fast Installation Strong and Rigid Design

World Class Aesthetics

COLD ROOMS

SRSE understands the criticality of pharma and biological drug preservation and hence ensure product integrity conditions for your drugs. **SRSE** Pharma Cold Storage is a research based company with robust refrigeration system and technology and supports you in nullifying your losses due to product compromise from temperature fluctuations.

Being the top modular cold room manufacturers, we offer the best solutions for modular cold room panels, large cold warehouses, walk in freezer rooms, blast freezers, ripening chambers, pre-coolers and pack houses with a wide range of PUF insulated wall, ceiling, floor panels and doors.

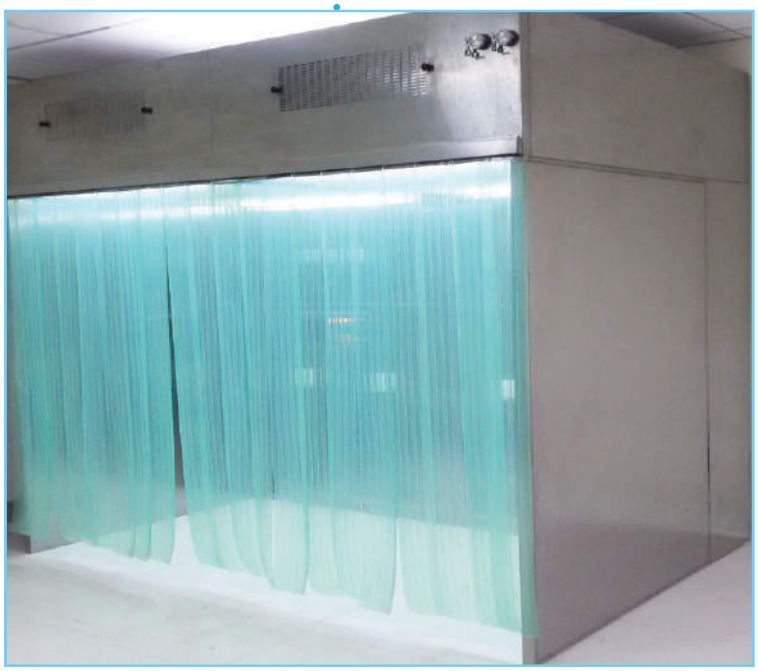
CLEANROOM DOORS

- ★ SRSE offers the wide variety of clean room doors.
- ★ Configurations such as Single / Double doors.
- ★ Clean room doors are designed for internal areas wherein dust is prohibited
- ★ Justifies the requirement of minimum air leakage, withstand positive negative air pressure
- ★ Door structure made of GI Power Coted material with view panels incorporated for easy see through
- ★ Specially designed bottom to provide proper sealing hence maintaining the room temperature
- ★ Door closure, push plates, locks, handels to be provided to meet clean room standards.

SAMPLING/DISPENSING BOOTH

(OFCB/Solvent Dispensing Booth/ Mobile RLAF/Reverse LAF)

SRSE Reverse Laminar Air Flow System is designed to prove highest level of safe and effective removal of work generated airborne contaminants. SRSE Sampling / Powder Dispensing booth are designed to provide Class 100 area for the operator and surroundings.



FEATURES

Class Work Area
Class work area as per ISO 14644

Three Stage Filtration
Equipped with H14 HEPA filter and washable type F5 and F7 pre-filters

Compact Design
The entire unit is designed in very less area

Feather Touch Switches
Feather touch easy to operate and ease of operation

Digital Differential Pressure Gauge with Alarm
It indicates the effectiveness and functioning of filter and alarm is raised when choked

PVC Curtains
PVC Curtains of suitable length will be provided

User Friendly Control System
Unit can be run by single click

Fluorescent Light
500 Lux flow in the area ensures good visibility

Internal Auxiliary Sockets and Gas Cocks
Aux sockets and Gas Cocks to supply power and gas for additional equipment inside the work area

SPECIFICATIONS

Air Cleanliness	Class 100	**Filter Efficiency**	HEPA 99.997% at 0.3 μm Intermediate 95% at 5 μm Pre Filter 90% at 10 μm
Velocity	90 FPM $\pm$ 20%		
Material of Construction	Exterior: SS 304 (SS 316 Optional) Side Panels: Stainless Steel 304 with PUF insulated	**Noise (dB)**	67 $\pm$ 2
Main Filter	Mini pleat HEPA, Class: H14	**Lighting (Lux)**	>500
Pre Filter	Pre Filter, Class: F5		

Model	Air Cleanliness	Interior Dimensions (WXDXH)	Exterior Dimensions (WXDXH)	Power Supply
DRLAF 2*2	Class 100	710*725*1830 mm	760*1350*2200 mm	220-240 V, 50Hz
DRLAF 3*2		1015*725*1830 mm	1065*1065*2200 mm	
DRLAF 4*2		1320*725*1830 mm	1370*1350*2200 mm	

LAMINAR AIRFLOW WORKSTATIONS

SRSE Laminar airflow work stations create Clean areas supplied with a continuous flow of clean air to maintain a work environment that is free from dirt, particles and toxic or noxious fumes. SRSC provides an ISO Class 5 clean work area for laboratory application, microscopes, pipetting, compounding and filling of sterile drug preparations, IV admixture, electronic testing, manufacturing or inspections.

SRSE Laminar Airflow Workstation (LAF) or Laminar Air Flow Unit (LAFU) are designed to provide a HEPA filtered clean air working environment for research and manufacturing to other fields where microbes need to be avoided.

FEATURES

Class Work Area
Class work area as per ISO 14644

Two Stage Filtration
Equipped with H14 HEPA filter and washable type F7 pre-filter

Compact Design
The entire unit is designed in very less area

Feather Touch Switches
Feather touch easy to operate and ease of operation

Digital Differential Pressure Gauge with Alarm
It indicates the effectiveness and functioning of filter and alarm is raised when choked

User Friendly Control System
Unit can be run by single click

Fluorescent Light
500 Lux flow in the area ensures good visibility

UV Light with Hour Meter
UV light to reduce microbial load bacteria along with its time totlaliser (life indicator) for timely replacements.

Internal Auxiliary Sockets and Gas Cocks
Aux sockets and Gas Cocks to supply power and gas for additional equipment inside the work area

SPECIFICATIONS

Air Cleanliness	Class 100	**Filter Efficiency**	HEPA 99.997% at 0.3 μm ULPA 99.999% at 0.12 μm Pre Filter 95% at 5 μm
Velocity	90 FPM $\pm$ 20% (0.45 meters/ second)		
Material of Construction	Exterior: SS 304 (SS 316 Optional) Work Table: Stainless Steel 304	**Noise (dB)**	67 $\pm$ 2
Main Filter	Mini pleat HEPA, Class: H14 (Optional ULPA)	**Lighting (Lux)**	>500
Pre Filter	Pre Filter, Class: F7	**Orientation of Flow**	Vertical/Horizontal

Model	Air Cleanliness	Interior Dimensions (WXDXH)	Exterior Dimensions (WXDXH)	Power Supply
DRLAF 2*2	Class 100	710*725*1830 mm	760*1350*2200 mm	220-240 V, 50Hz
DRLAF 3*2		1015*725*1830 mm	1065*1065*2200 mm	
DRLAF 4*2		1320*725*1830 mm	1370*1350*2200 mm	

DYNAMIC PASS BOXES

SRSE makes Dynamic Pass Boxes meeting the customer specific requirement and to the world class standards. Dynamic Pass Boxes or Cross Contamination Barriers are used to transfer material from an area with high level of cleanliness to a lower of cleanliness or vice-versa. Dynamic pass boxes are also used to transfer materials from an uncontrolled area to a controlled area. Dynamic Pass Boxes area designed to maintain cleanliness of Class 100.

FEATURES

Class Work Area
Class work area as per ISO 14644

Two Stage Filtration
Equipped with H14 HEPA filter and washable type F7 pre-filters

Compact Design
The entire unit is designed in very less area

Feather Touch Switches
Feather touch switches to control easy operation of the unit

Digital Differential Pressure Gauge with Alarm
It indicates the filter life and alarm is raised when chocked

User Friendly Control System
Unit can be run in single click

Fluorescent Light
500 Lux flow in the area ensures good visibility

PVC Curtains
PVC Curtains of suitable length will be provided

UV Light with Hour Meter
UV light to reduce microbial load bacteria along with its time totlaliser (life indicator) for timely replacements.

SPECIFICATIONS

Air Cleanliness	Class 100	**Filter Efficiency**	HEPA 99.997% at 0.3 μm Intermediate 95% at 5 μm Pre Filter 90% at 10 μm
Velocity	90 FPM $\pm$ 20%		
Material of Construction	Exterior: SS 304 (SS 316 Optional) Side Panels: Stainless Steel 304 with PUF insulated	**Noise (dB)**	67 $\pm$ 2
Main Filter	Mini pleat HEPA, Class: H14	**Lighting (Lux)**	>500
Pre Filter	Pre Filter, Class: F5		

Model	Air Cleanliness	Interior Dimensions (WXDXH)	Exterior Dimensions (WXDXH)	Power Supply
DRLAF 2*2	Class 100	710*725*1830 mm	760*1350*2200 mm	220-240 V, 50Hz
DRLAF 3*2		1015*725*1830 mm	1065*1065*2200 mm	
DRLAF 4*2		1320*725*1830 mm	1370*1350*2200 mm	

CROSS CONTAMINATION BARRIERS

(Cleanrooms Pass Boxes/VHP Sterilized Pass Box)

Pass Boxes or Cross Contamination Barriers are used to transfer material from as area with high level of cleanliness to a lower of cleanliness or vice-versa. The pass boxes while transferring the material, prevent air from flowing from one to another area.

STATIC PASS BOXES

SRSE makes static pass boxes meeting the customer specific requirement and to the world class standards. Static Pass Box is specifically designed to aid in the material transfer by acting as barrier.

FEATURES

Compact Design

- Available in powder-coated SS 304/SS 316
- Double walled construction
- SS handles and SS hinges
- Internal covings for easy cleaning
- Variety of sizes and door configurations

Control System

- Electromagnetic interlocking doors minimize contamination
- UV light along with hour meter
- Indicator on either side
- Door-release switch on either side

SPECIFICATIONS

UV Light Intensity	Class 100	**Lighting (Lux)**	>500
Material of Construction	SS 304 (Optional: SS 316)	**Power Supply**	220-240 V, 50 Hz

Model	Air Cleanliness	Interior Dimensions (WXDXH)	Exterior Dimensions (WXDXH)	Power Supply
SPB	Class 100	610*610*610 mm	760*690*760 mm	220-240 V, 50Hz
SPB		750*750*750 mm	870*830*900 mm	
SPB		915*915*915 mm	1035*995*1055 mm	

AIR SHOWER

SRSE Air Showers or Cross Contamination Barriers for Man movement are designed for quickly and effectively removing particles so that they will not to be carried into a cleanroom. These air showers feature rugged construction and adjustable, high velocity air jets nozzles.

FEATURES

Up to Class 100 Work Area
Work area can redesigned up to class 100 as per ISO 14644

Two Stage Filtration
Equipped with H14 HEPA filter and washable type F7 pre-filter

Compact Design
The entire unit is designed in a compact area with 100% Air recirculation

Adjustable SS Nozzles
Air nozzles on top and sides with high air velocity to avoid grey areas

Push Button
Push Buttons to control easy operation of the unit

Digital Differential Pressure Gauge with Alarm
It indicates the filter condition and alarm is raised when choked

User Friendly Control System
Unit can be run by a single click

LED Light
Lighting at 500 Lux in the area ensures good visibility

Door Interlocks
Electromagnetic interlocking doors minimize contamination

Sliding Doors
Ease of operations

Smart Control System
Operating modes can be programmed in the field as per requirement

SPECIFICATIONS

Air Cleanliness	Class 100
Material of Construction	GI Powder Coated or Stainless Steel 304 (Optional: SS 316)
Main Filter	Mini pleat HEPA, Class: H14
Pre Filter	Closed Pleated Filter, Class: F7
Filter Efficiency	HEPA 99.997% at 0.3 μm Pre Filter 90% at 5 μm
Noise (dB)	67 ± 2
Lighting (Lux)	>500

Model	Air Cleanliness	Interior Dimensions (WXDXH)	Exterior Dimensions (WXDXH)	Power Supply
DAS	Class 100	800*1000*2200mm	800*900*2100 mm	Single phase or Three phase
DAS		1600*2000*2200 mm	800*1900*2100 mm	
DAS		800*2000*2200mm	800*1750*2100 mm	
DAS		1700*3250*2200 mm	800*2750*2100 mm	

GARMENT STORAGE CABINET

SRSE Garment storage Cabinets are designed to provide the ultimate solution for garments storage needs while maintaining the cleanliness of controlled cleanroom environment.

SRSE Garment Storage Cabinets provide highest degree of safety for both the personnel and thereby for the products.

FEATURES

Class 100 Work Area
Class 100 work area as per ISO 14644

Two Stage Filtration
- Equipped with H14 HEPA filter WITH 10x filtration efficiency of HEPA filter
- Equipped with F7 pre filter of 95% efficiency for suction
- 90% Air recirculation

Compact Design
- Enables garments to be stored in a visible and organized manner.
- Sliding glass door
- Easy installation & portable

Adjustable shelves
Shelves are smooth for easy clean-ability
Feather touch switches to control easy operation of the unit

User Friendly Control System
Unit can be run in single click

Digital Differential Pressure Gauge with Alarm
It indicates the filter life and alarm is raised when chocked

Fluorescent Light
Light intensity at 500 Lux flow in the area ensures good visibility

UV Light with Hour Meter
UV light to reduce microbial load along with Time totalser for timely replacements.

SPECIFICATIONS

Air Cleanliness	Class 100	**Filter Efficiency**	HEPA 99.997% at 0.3 μm Pre Filter 95% at 5 μm
Velocity	90 FPM $\pm$ 20%		
Material of Construction	Exterior: Powder Oated SS 304 (Optional: SS 316)	**Noise (dB)**	67 $\pm$ 2
Main Filter	Mini pleat HEPA, Class: H14	**Lighting (Lux)**	>500
Pre Filter	Pre Filter, Class: F7		

Model	Air Cleanliness	Cabinet Dimensions (WXDXH)	Power Supply
DGC 2*2	Class 100	610*610*1200 mm	220-240 V, 50Hz
DGC 3*2		1015*610*1200 mm	
DGC 4*2		1220*610*1200 mm	

DUST COLLECTOR

Normally a lot of dust is generated during the compression process. If This dust is not controlled, it will settle on the upper punches, turret and other parts in the compression zone. Excess dust in the compression zone can lead to generation of particles, upper punch jamming and various other problems. It is therefore advisable to have a Dust Collector unit attached to the tablet press to suck out the dust generated

BIO SAFETY CABINET

A biosafety cabinet (BSC)—also called a biological safety cabinet or microbiological safety cabinet—is an enclosed, ventilated laboratory workspace for safe working with materials contaminated with (or potentially contaminated with) pathogens and handling of pure cultures requiring a defined biosafety level. Bio-safety cabinets re currently used for II microbiological activities thus ensuring high level of safety for personnel.

CLEANROOM VIEW PANELS

SRSE offers the wide variety of cleanroom view panels configurations such as frameless or framed designs with single-sided or double-sided window construction. The window system is especially designed for the cleaning needs of the pharmaceutical cleanroom.

FEATURES

Double Glass Unit View Panels
Designed for quick, easy installation for and thickness a variety of wall materials

Glass Flushed to the Wall
This make cleaning easy and safe and also improves aesthetics.

Unique Rounded Corners
This Improves aesthetics

Full View Glass Panels
Helps in giving a full indoor view

Moisture Control
Moisture is controlled using silica gel

REACH US OUR QUALITY PRODUCTS

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WORK AREA

SRSE
CLEANROOM TECHNOLOGIES

OUR MAJOR CLIENTS

ASTRICA LABORATORIES PVT. LTD.

Nosch

GLOBAL ENVIRO AIR SYSTEMS (P) LTD.

RA Chem Pharma Ltd

Arene Lifesciences Limited

AZAKEM LABS PVT.LTD.

KEKULE PHARMA LIMITED

KIMS HOSPITALS

Andhra Pradesh Pollution Control Board

MAGNUM

METROCHEM API PRIVATE LIMITED

Vision Drugs Private Limited

BACTOLAC PHARMACEUTICAL, INC.

Lofty Laboratories
Certified ISO 9001:2015 Company

Nosch

Pellets Pharma Limited

SAI SYNERGENE

GeneSys Biologics Pvt. Ltd.

VBS PHARMA
COMMITMENT TOWARDS QUALITY
AN ISO 9001 & GMP CERTIFIED COMPANY

PRAGATI

Rakshit Pharmaceuticals Ltd

RAKSHIT DRUGS PVT. LTD.

STARTECH LABS
QUALITY SERVICE IS OUR STRENGTH

Virchow Petro Chemicals Pvt Ltd

CONTACT US

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