

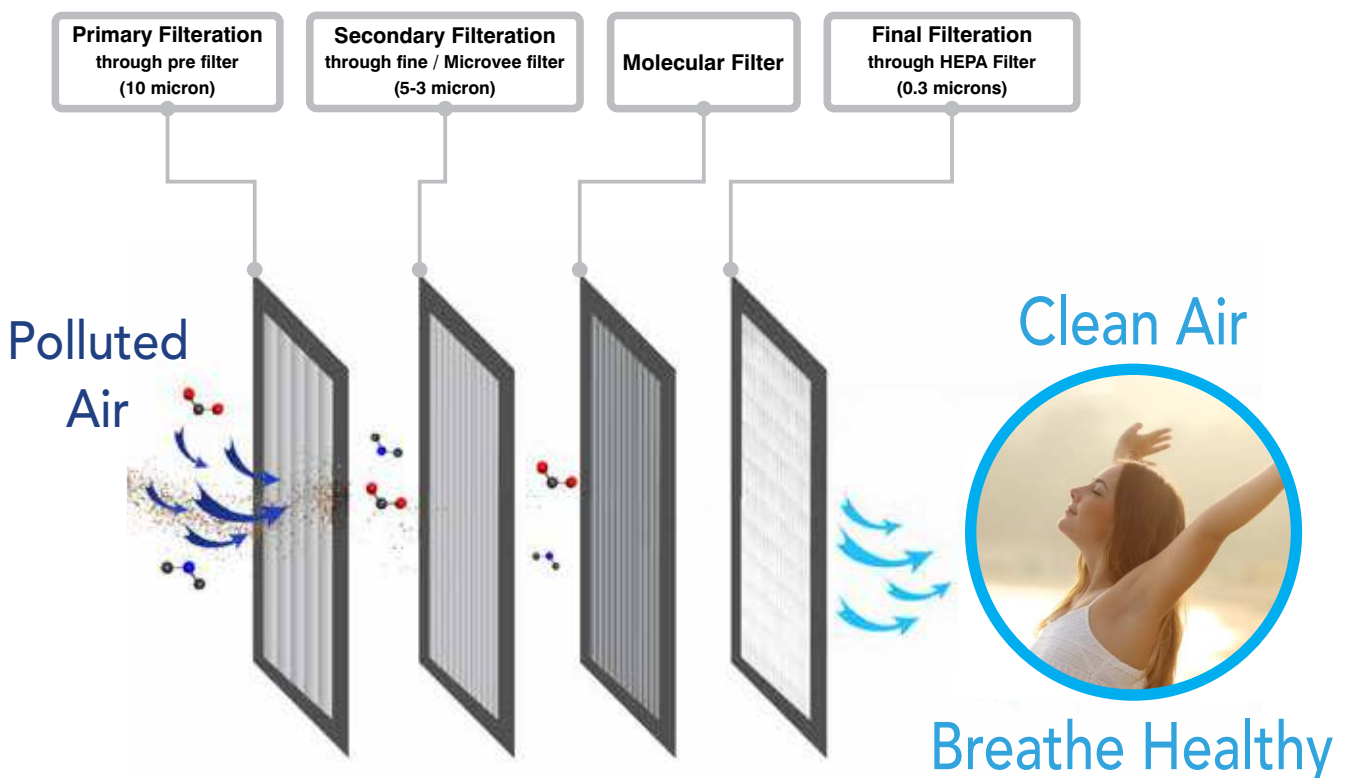
Air Filter **PRODUCT** *Catalogue*

“Clean Air Through Technology”



AIR FILTRATION SOLUTIONS PROVIDER

BLL FOR IAQ MAKING INDOOR AIR SAFER TO BREATHE HEALTHY AIR



“Clean Air Through Technology”

Solution to Quality & Clean Air with SBRG Clean Tech Pvt. Ltd.





**SBRG FILTERS GIVE CLEAN AIR TO THE FOLLOWING INDUSTRIES:
COMMERCIAL BUILDING / HOSPITALS / DATA CENTERS / MUSEUMS / FOOD & PHARMA Industries ; etc.**

Filter Standard Chart

Type	Filter Cl	EU Classifications	MERV	Average Efficiency @ 0.3 μ	Efficiency %
Filters Coarse Dust	G1	EU-1	MERV 1-4	N/A	Rod Filters
	G2	EU-2		N/A	85% down to 20 μ
	G3	EU-3	MERV 5-6	N/A	90% down to 20 μ
	G4	EU-4	MERV 7-8	N/A	90% down to 10 μ
Filters for Fine Dust	F5	EU-5	MERV 9-10	N/A	95% down to 5 μ
	F6	EU-6	MERV 11-12	N/A	99.9% down to 5 μ
	F7	EU-7	MERV - 13	N/A	99% down to 3 μ
	F8	EU-8	MERV - 14	N/A	99.9% down to 3 μ
	F9	EU-9	MERV - 15	N/A	50% down to 0.3 μ
Filters For Microparticles	H 10	EU-10	MERV - 16	85%	85% down to 0.3 μ
	H 11	EU-11	MERV - 17	95%	95% down to 0.3 μ
HEPA Filters	H 12	EU-12	MERV - 18	99.50	99.5% down to 0.3 μ
	H 13	EU 13	MERV - 19	99.95	99.97% down to 0.3 μ
	H14	EU 14	MERV - 20	99.995	99.99% down to 0.3 μ
ULPA Filters	H 15	EU 15	N/A	99.9995%	99.999% down to 0.3 μ
	H 16	EU 16	N/A	99.99995%	N/A
	H17	EU 17	N/A	99.999995%	N/A

ACTIVATED CARBON / CHEMICAL AIR FILTERS TO REMOVE TOXIC GASES AND ODOURS

S.No.	Types of Filters	Filter media	Types of Pollutants	Area's where Filters are Suitable
1.	Filters With Activated carbon (Loose or Laminated type)	Activated Carbon (Non-Impregnated) 	<ul style="list-style-type: none"> ❖ Light Hydrocarbon VOC's ❖ Butane, Tar, Petrol and Kerosene ❖ Vapours from Solvent ❖ Body, Hospital Odours, Cigarette Smokes ❖ Food, Kitchen and Animal Room 	<ul style="list-style-type: none"> ❖ Separation of odours in the Airport, Office & Administration Building, Hotels, Hospitals, ❖ IAQ Improvement ❖ Filtrations of Inlet air in Microelectronics ❖ Elimination of Harmful Gaseous vapours from circulating Air
2.	Chemical Filters For Specific Gas Adsorption	Impregnated Activated Carbon and Other Mixture of Chemical Media 	<ul style="list-style-type: none"> ❖ Acidic Trace Acid ❖ SO_x, NO_x, NO₂ ❖ HCL, H₂SO₄, H₂S, HF, Cl₂ ❖ Amines ❖ NH₃, NH₄ ❖ Formaldehyde ❖ Ozone etc 	<ul style="list-style-type: none"> ❖ Inlet Air Filtrations for controls Data and Computer Rooms ❖ Inlet and Circulating air filters for microelectronics ❖ Inlet and Circulating air filters for Museums, Hospital, Archives, Libraries ❖ Refineries, Nuclear Power stations etc

FILTER CLASSIFICATIONS ACCORDING TO ISO 16890

ISO ePM1

- ePM1 95%
- ePM1 90%
- ePM1 85%
- ePM1 80%
- ePM1 75%
- ePM1 70%
- ePM1 65%
- ePM1 60%
- ePM1 55%
- ePM1 50%

Requirement

- ≥50% Initial Efficiency
- <50% Discharged Efficiency

ISO ePM2,5

- ePM2,5 95%
- ePM2,5 90%
- ePM2,5 85%
- ePM2,5 80%
- ePM2,5 75%
- ePM2,5 70%
- ePM2,5 65%
- ePM2,5 60%
- ePM2,5 55%
- ePM2,5 50%

Requirement

- ≥50% Initial Efficiency
- <50% Discharged Efficiency

ISO ePM10

- ePM10 95%
- ePM10 90%
- ePM10 85%
- ePM10 80%
- ePM10 75%
- ePM10 70%
- ePM10 65%
- ePM10 60%
- ePM10 55%
- ePM10 50%

Requirement

- ≥50% Initial Efficiency
- <50% Discharged Efficiency

ISO Coarse

- ePM10 45%
- ePM10 40%
- ePM10 35%
- ePM10 30%
- ePM10 25%
- ePM10 20%
- ePM10 15%
- ePM10 10%
- ePM10 5%

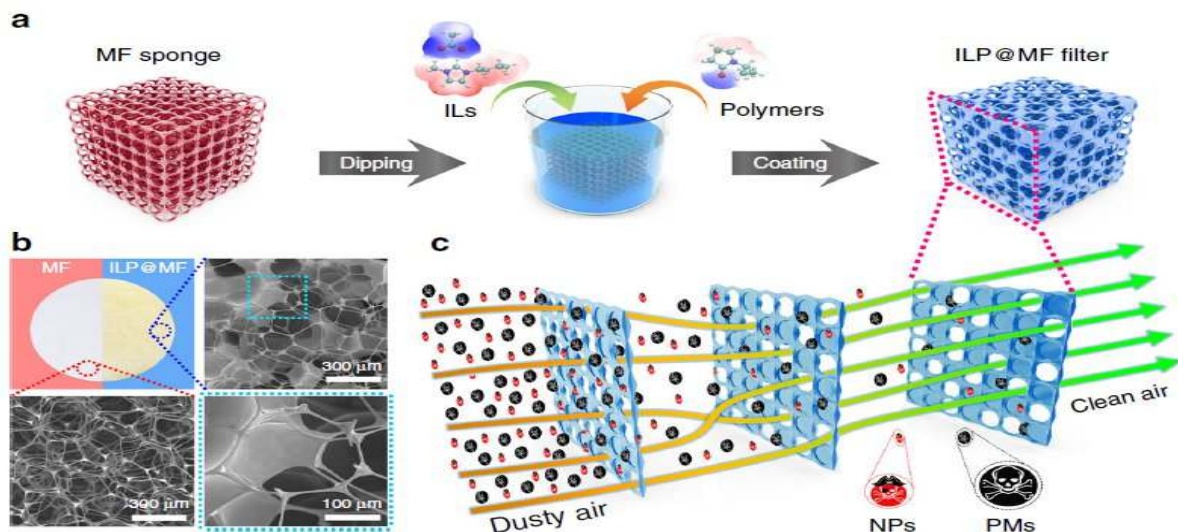
No discharge requirement

- » EN779:2012 Only for one size particles – 0.4 μm
- » ISO 16890 Filter efficiency is measured by using range of Particle sizes :
 - 0.3 – 10 μm
 - 0.3 to 2.5 μm
 - 0.3 – 1 μm

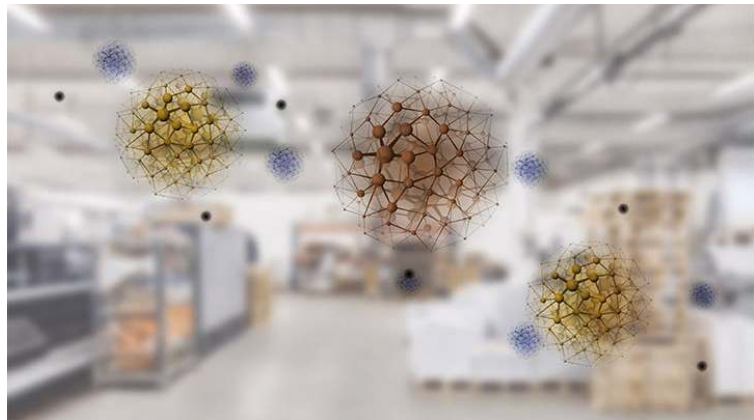
Example of filter making according to ISO 16890

- » ePM1 55% - filter minimum efficiency in group ePM1 is more than 50% and average efficiency is in 55-59%
- » ePM10 60% - average efficiency is in range 60-64%. ePM10 group does not have requirement for minimum efficiency of 50%

S.No.	Filter Group	Particulate Size (μm)	Classification Criteria
1	ISOePM1	$0.3 < x < 1$	Min. Efficiency >50%
2	ISOePM2.5	$0.3 < x < 2.5$	Min. Efficiency >50%
3	ISOePM10	$0.3 < x < 10$	Avg. Efficiency >50%
4	ISO Coarse	$0.3 < x < 20$	Avg. Efficiency >50%



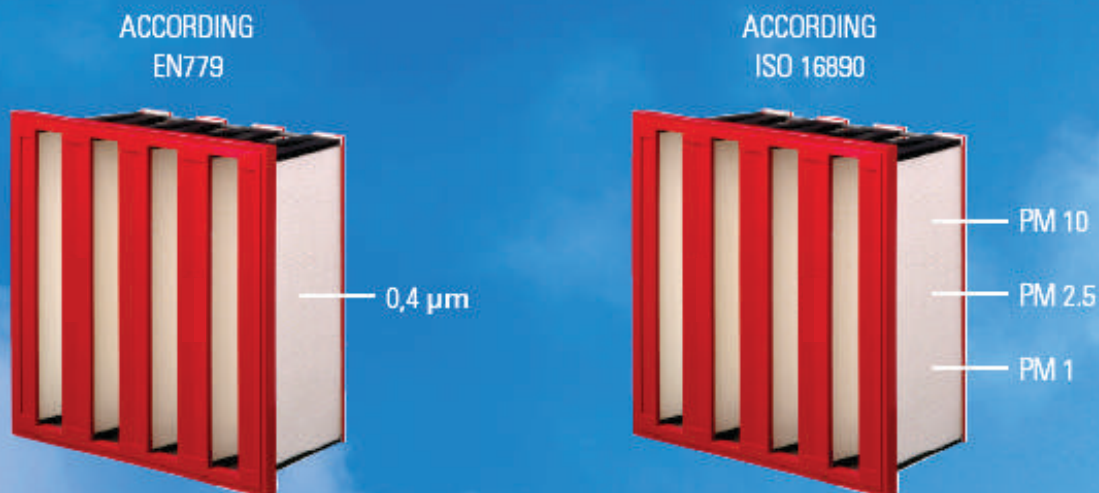
HOW YOUR BUSINESS CAN BENEFIT FROM THE ISO 16890 AIR FILTER STANDARD?



Optical particle diameter size ranges for the definition of the efficiencies, ePM₁

- » The ISO 16890 air filtration standard is the new global classification and testing standard for air cleaning systems
- » Protecting the health of humans.
- » Filters are built to reduce the number of airborne particles, of different sizes, thereby improving an Indoor Air
- » Less PM as well as bacteria, germs and spores, fumes and mist circulating in our workplace, employees will enjoy greater workplace well-being, resulting in greater levels of productivity
- » In addition, there will be fewer process and equipment problems (caused by contamination) as well as less of a need for cleaning

FILTERS ACCORDING TO EN 779: 2012 AND ISO 16890 STANDARDS



For example : According to the test result, the F8 class V-Compact Filter is classified as “ISO ePM1 70%”. This means that the filter separates 70 % of PM1 particles. The “e” stands for efficiency in combination with the particulate matter (PM).

Classification according to EN779	Particulate Matter Efficiency (%)			Classification according to ISO 16890
	ISO ePM1	ISO ePM2.5	ISO ePM10	
F8	73	80	93	ISO ePM1 70%

WE FOLLOW ISO 16890 / EN -779 STANDARDS FOR COARSE, PRE & FINE FILTER



Relation Between ASHRAE 52.2, EN779 and ISO 16890					
ASHRAE 52.2	EN779	ISO ePM1	ISO ePM2.5	ISO ePM10	ISO Coarse
MERV 5	G3	-	-	-	>80%
MERV 7	G4	-	-	-	>90%
MERV 8-9	M5	-	-	>50%	-
MERV 10-12	M6	-	50-60%	>60%	-
MERV 13	F7	50-65%	65-80%	>85%	-
MERV 14	F8	65-80%	>80%	>90%	-
MERV 15	F9	>80%	>95%	>95%	-
Typical Control Contaminants'		Particle size within 0.3 μm -1.0 μm , All bacteria, Cooking oil, Most smoke, Copier toner, Most face powder, Most paint pigments	Particle Size within 1.0 μm — 3.0 μm , Lead dust, Milled flour, Coal dust, Auto emissions, Nebulizer drop, Welding fumes	Particle size within 3.0 μm -10.0 μm , Mold Spores, Hair spray, Cement dust, Snuff, Powdered milk	Particle > 10.0 μm , Pollen, Dust mites, Sanding dust, Spray paint dust, Textile Fibers
Application		IAQ concerned commercial, industrial, medical, food etc	IAQ concerned commercial & industrial, medical	Commercial, industrial, paint shop	Gross filter, domestic and commercial

EN 779-2012 STANDARD

EN 779-2012 Classifications					
Group	Filter Class	Final Pressure Drop (Pa)	Avg. Arrestance (Am) of Synthetic Dust %	Avg. Arrestance (Em) of 0.4 μm particles %	Minimum Arrestance for 0.4 μm particles %
Coarse	G1	250	50 \leq Am<65	-	-
	G2	250	65 \leq Am<80	-	-
	G3	250	80<_Am<90	-	-
	G4	250	90<_Am	-	-
Medium	M5	450	-	40 \leq Em \leq 60	-
	M6	450	-	60 \leq Em \leq 80	-
Fine	F7	450	-	80 \leq Em \leq 90	35
	F8	450	-	90 \leq Em \leq 95	55
	F9	450	-	95 \leq Em	70

Filters 10 Micron	09
Bag Filters 10 Micron	10
Aluminium Wire Mesh Metallic Filters	11
Fine Filters 5 Micron	12
Fine Filters 3 Micron	13
Fine Filters 1 Micron	14
Semi Hepa Filters	15
Hepa Filters	16
High Flow Hepa Filters	17
Mini Pleat Hepa Filters	18
Mini Pleat Gel Seal Hepa Filters	19
Filters Housing With Grill	20
Knife Edge Housing	21
OT Plenum	22
Hepa Filters & Terminal Housing	23

FILTERS 10 MICRON



FILTER CLASS AS PER ISO-16890/EN:779	
FILTER CLASS	ePM 10
ISO COARSE/G-4	< 50%

Filter Class	MO	MERV Rating	Filter Eurovent Class	Frame Depth	Gasket Thickness	Testing Standard
G-4	Aluminium Extrusion/GI	MERV-8	EU-4	25	3 MM	BS EN:779
		MERV-8	EU-4	50	3 MM	BS EN:779

● FILTER CLASS: EU-4

SBRG Clean Tech Pre Filters are manufactured in accordance with BS EN 779 and are used to remove solid particles of media ≥ 10 Micron from the air stream entering the ventilation system.

Media: 100 % washable non woven Synthetic media supported by Aluminium. Mesh on one side & finishes with HDPE mesh on the other side.

● FEATURES:

- Tested according to EN:779.
- Light weight & robust construction.
- Available in wide variety of sizes.
- Low pressure drop.
- 100 % washable.
- Long service life.

● APPLICATIONS:

- For Pre filtration for air conditioning & Air Handling Units.
- General Air Filtration & Pre Filtration for various equipments.
- For maintaining indoor air quality.

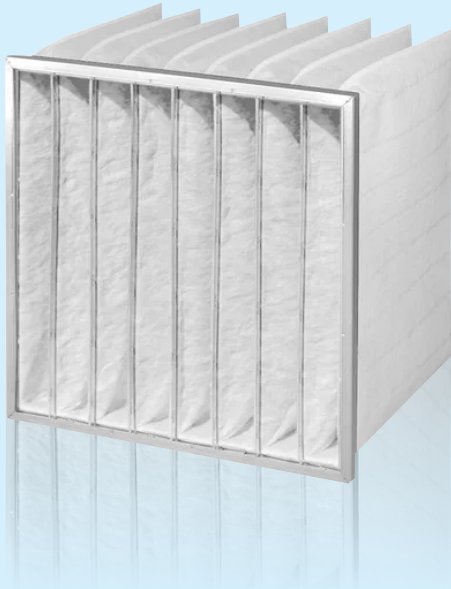


TECHNICAL PARAMETERS

Filter Size	CFM	Efficiency	IPD	Recommended FPD	Max. Pressure	Temperature Resistance
		%	Pa	Pa	P	°C
610 X 610 X 25m	1000	90% @ 10 Micron	40	1	500	70
610 X 305 X 25m	500	90% @ 10 Micron	4	150	500	70
305 X 305 X 25m	250	90% @ 10 Micron	4	150	500	70
610 X 610 X 50m	2000	90% @ 10 Micron	4	150	500	70
610 X 305 X 50m	1000	90% @ 10 Micron	4	150	500	70
305 X 305 X 50m	500	90% @ 10 Micron	4	150	500	70

• Also Available in High Temperature. • Special dimensions can be customized.

BAG FILTERS 10 MICRON



FILTER CLASS AS PER ISO-16890/EN:779	
FILTER CLASS	ePM10
ISO COARSE/G-4	< 50%

Filter Class	MOC	MERV Rating	Filter Eurovent Class	Frame Depth	Gasket Thickness	Testing Standard
G-4	Aluminium	MERV-8	EU-4	25	3 MM	BS EN:779
	Extrusion/GI	MERV-8	EU-4	50	3 MM	BS EN:779

● FILTER CLASS: EU-4

SBRG Clean Tech Bag Type OR Pocket filters are constructed from fine Synthetic filter media & assembled in Aluminium frame. In order to prevent any possible leakage, the entire stitching is sealed with thermo plastic resins. Clinching is done in order to join pockets for desired size & airflow.
Media: Synthetic non woven.

● FEATURES:

- Tested according to EN:779
- High Dust Holding Capacity.
- Long Service Life.
- Cleanable by compressed air.

● APPLICATIONS:

- General filtration for air conditioning & Air Handling Units.
- In commercial & industrial applications.
- As a medium filter in clean room filtration.



TECHNICAL PARAMETERS

Filter Size	Efficiency	IPD	Recommended FPD	Max. Pressure	Temperature Resistance
	%	Pa	Pa	Pa	°C
610 X 610 X 300 mm	90% @ 10 Micron	≤ 60	250	1000	70
610 X 305 X 300 mm	90% @ 10 Micron	≤ 60	250	1000	70
305 X 305 X 300 mm	90% @ 10 Micron	≤ 60	250	1000	70
610 X 610 X 600 mm	90% @ 10 Micron	≤ 60	250	1000	70
610 X 305 X 600 mm	90% @ 10 Micron	≤ 60	250	1000	70
305 X 305 X 600 mm	90% @ 10 Micron	≤ 60	250	1000	70

• Also Available in High Temperature. • Special dimensions can be customized.

ALUMINIUM WIRE MESH METALLIC FILTERS



● GREASE COLLECTOR FILTERS

SBRG Clean Tech metallic filters are designed to meet requirement of kitchen application. They may be applied to all environment where food is prepared & high amount of oil, metallic filtes & other greases are common. Those particles are absorbed by steam which will be drawn off by our metallic filters.

Media: 7 Layers of Alu. Wire mesh interspaced with three crumpled layers & 4 flat layers.

● FEATURES

- Easy to clean.
- Robust metal frame
- Large cooling surface
- Long service life

● APPLICATIONS

- Kitchen application.
- Exhaust of oil & grease.



TECHNICAL PARAMETERS

Parameters	Units	Filter Sizes		
		610 X 610	457 X 457	305 X 305
Frame depth	MM	25 50 100	25 50 100	25 50 100
IPD	Pa	30-40	30-40	30-40
Efficiency As Per EN: 779	%	80-85% @ 20 Micron	80-85% @ 20 Micron	80-85 % @ 20 Micron
Recommended FPD	Pa	250	250	250
Max. Pressure	Pa	1000	1000	1000
Temperature Resistance*	0°C	70	70	70
Rel. Humidity	%	100%	100%	100%

• Also Available in High Temperature. • Special dimensions can be customized.

FINE FILTERS 5 MICRON



FILTER CLASS AS PER ISO-16890/EN:779			
FILTER CLASS	ePM1	ePM2.5	ePM10
M5	< 20%	< 40%	>50%

Filter Class	MOC	MERV Rating	Filter Eurovent Class	Frame Depth	Gasket Thickness	Testing Standard
F-5	Aluminium /GI	MERV- 9-10	EU-5	150	3 MM	BS EN:779
		MERV- 9-10	EU-4	300	3 MM	BS EN:779

● FILTER CLASS: EU-5

SBRG Clean Tech Fine Filters are manufactured in accordance with BS EN 779 & are used to remove solid particles such as dust, pollen, mould & bacteria from the air.

Media: 100 % washable Synthetic non woven Synthetic media supported by Aluminium mesh on one side & finishes with HDPE mesh on the other side

● FEATURES:

- Tested according to EN:779
- High Dust Holding Capacity.
- Long Service Life.
- 100% water washable.

● APPLICATIONS:

- General filtration for air conditioning & Air Handling Units.
- General Air Filtration & Pre Filtration for Hepa Filters.
- Spray Booths



TECHNICAL PARAMETERS

Filter Size	CFM	Efficiency	IPD	Recommended FPD	Max. Pressure	Temperature Resistance
		%	Pa	Pa	Pa	°C
610 X 610 X 300 mm	2000	95% @ 5 Micron	60-70	190-200	500	70
610 X 305 X 300 mm	1000	95% @ 5 Micron	60-70	190-200	500	70
305 X 305 X 300 mm	500	95% @ 5 Micron	60-70	190-200	500	70
610 X 610 X 150 mm	1000	95% @ 5 Micron	60-70	190-200	500	70
610 X 305 X 150 mm	500	95% @ 5 Micron	60-70	190-200	500	70
305 X305 X 150mm	250	95% @ 5 Micron	60-70	190-200	500	70

- Also Available in High Temperature. • Special dimensions can be customized.

FINE FILTERS 3 MICRON



FILTER CLASS AS PER ISO-16890/EN:779			
FILTER CLASS	ePM1	ePM2.5	ePM10
F7	50-75%	< 70%	>80%

Filter Class	MOC	MERV Rating	Filter Eurovent Class	Frame Depth	Gasket Thickness	Testing Standard
F-7	Aluminium /GI	MERV- 13	EU-7	150	3 MM	BS EN:779
		MERV- 13	EU-7	300	3 MM	BS EN:779

● FILTER CLASS: EU-7

SBRG Clean Tech Fine Filters are manufactured in accordance with BS EN 779 & are used to remove solid particles such as dust, pollen, mould & bacteria from the air.

Media: 100 % washable Synthetic non woven media supported by Aluminium mesh on one side & HDPE mesh on the other side.

● Features:

- Tested according to EN:779
- High Dust Holding Capacity
- Long Service Life
- 100% water washable

● Applications:

- General filtration for air conditioning & Air Handling Units
- In commercial & industrial applications
- Spray Booths



TECHNICAL PARAMETERS

Filter Size	CFM	Efficiency	IPD	Recommended FPD	Max. Pressure	Temperature Resistance
		%	Pa	Pa	Pa	°C
610 X 610 X 300 mm	2000	99% @ 3 Micron	80-90	200-220	500	70
610 X 305 X 300 mm	1000	99% @ 3 Micron	80-90	200-220	500	70
305 X 305 X 300 mm	500	99% @ 3 Micron	80-90	200-220	500	70
610 X 610 X 150 mm	1000	99% @ 3 Micron	80-90	200-220	500	70
610 X 305 X 150 mm	500	99% @ 3 Micron	80-90	200-220	500	70
305 X 305 X 150 mm	250	99% @ 3 Micron	80-90	200-220	500	70

- Also Available in High Temperature.
- Special dimensions can be customized.

FINE FILTERS 1 MICRON



FILTER CLASS AS PER ISO-16890/EN:779			
FILTER CLASS	ePM 1	ePM2.5	ePM 10
F9	85%	< 90%	>95%

Filter Class	MOC	MERV Rating	Filter Eurovent Class	Frame Depth	Gasket Thickness
F-9	Aluminium Anodised	MERV- 15	EU-9	300	5 MM

● FILTER CLASS: EU-9

SBRG Clean Tech Fine Filters are manufactured in accordance with BS EN 779 & are used to remove solid particles such as dust, pollen, mould & bacteria from the air.

Media: 100 % washable Synthetic non woven media supported by Aluminium mesh on one side & finished with HDPE mesh on the other side.

● FEATURES:

- Tested according to EN:779
- High Dust Holding Capacity
- Very Fine filtration up to 1 Micron particle size
- Long Service Life
- 100% water washable

● APPLICATIONS:

- General filtration for air conditioning & Air Handling Units
- General Air Filtration & Pre Filtration for Hepa Filters
- Spray Booths



TECHNICAL PARAMETERS

Filter Size	CFM	Efficiency	IPD	Recommended FPD	Max. Pressure	Temperature Resistance
		%	Pa	Pa	Pa	°C
610 X 610 X 300 mm	2000	99% @ 1 Micron	90-100	200-220	500	70
610 X 305 X 300 mm	1000	99% @ 1 Micron	90-100	200-220	500	70
305 X 305 X 300 mm	500	99% @ 1 Micron	90-100	200-220	500	70
610 X 610 X 150 mm	1000	99% @ 1 Micron	90-100	200-220	500	70
610 X 305 X 150 mm	500	99% @ 1 Micron	90-100	200-220	500	70
305 X 305 X 150 mm	250	99% @ 1 Micron	90-100	200-220	500	70

• Also Available in High Temperature. • Special dimensions can be customized.

SEMI HEPA FILTERS

FILTER CLASS: F-9

SBRG Clean Tech Semi Hepa Filters are manufactured as per the standards of efficiency set by the United States Department of Energy (DOE) & are in accordance with the European Standards EN: 779.

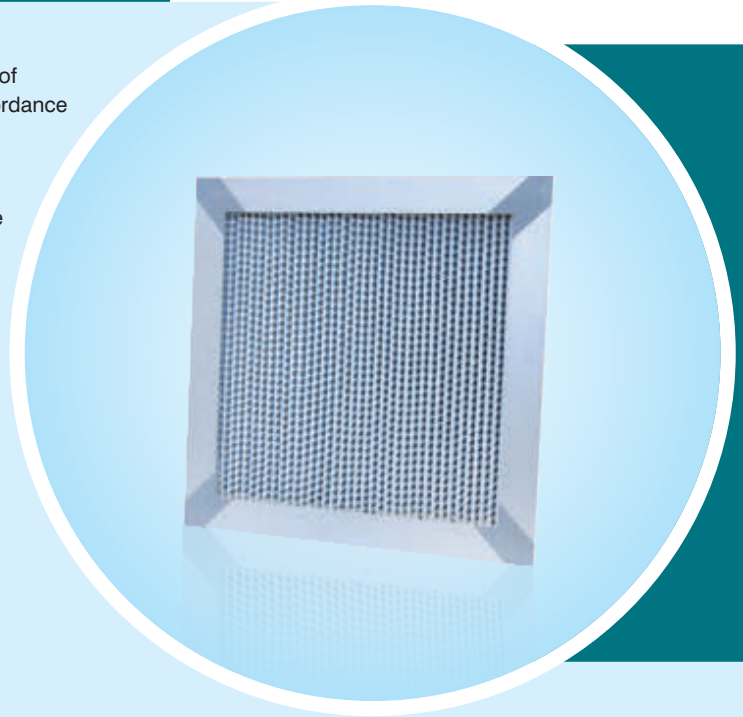
High air purity is the essential requirement for sensitive controlled technical process. Clean rooms are used as they ensure low-particle or when necessary, a low-germ environment. Semi hepa filters are used to achieve the required filtration class as set by WHO & cGMP.

FEATURES:

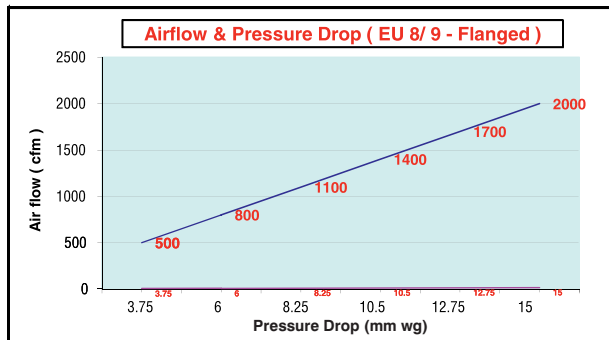
- Tested According to EN: 779
- High Filter Efficiency.
- High Dust Holding Capacity
- Long Service Life.
- Large Surface for Filtration.

APPLICATION:

- In sophisticated industrial process (Pharmaceuticals, Biotechnology, chemical, optics, food, microelectronics, etc).
- In Clean room for achieving the desired class.
- In Laminar Air Flow for bacteria free air circulating system.
- In hospitals, pharmaceuticals, labs, research centres etc.



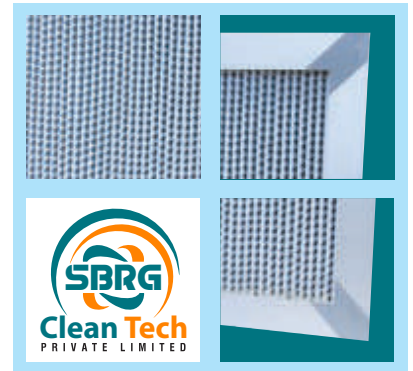
Filter Class	MOC	MERV Rating	Filter Eurovent Class	Frame Depth	Gasket Thickness
F-9	Aluminium Anodised	MERV-15	EU-9	300	5 MM



Airflow / Pressure Drop of EU8/9 (Flanged)

Filter size 610*610* 300mm

Air flow (Cfm)	Pressure Drop (mm wg)
500	3.75
800	6
1100	8.25
1400	10.5
1700	12.75
2000	15



* The pressure Drop can vary \pm 10 -15%

SEMI HEPA FILTERS TECHNICAL PARAMETERS

Filter Size	CFM	Efficiency	IPD	Recommended FPD	Max. Pressure	Temperature Resistance
		%	Pa	Pa	Pa	°C
610 X 610 X 300 mm	2000	50% @ 0.3 Micron	150	400	1000	70
610 X 305 X 300 mm	1000	50% @ 0.3 Micron	150	400	1000	70
305 X 305 X 300 mm	500	50% @ 0.3 Micron	150	400	1000	70
610 X 610 X 150 mm	1000	50% @ 0.3 Micron	150	400	1000	70
610 X 305 X 150 mm	500	50% @ 0.3 Micron	150	400	1000	70
305 X 305 X 150 mm	250	50% @ 0.3 Micron	150	400	1000	70

• Also Available in High Temperature. • Special dimensions can be customized.

HEPA FILTERS

FILTER CLASS: H-13

SBRG Clean Tech high-efficiency particulate air (HEPA) Filters are manufactured as per the standards of efficiency such as those set by the United States Department of Energy (DOE) & are in accordance with the European Standards EN: 1822.

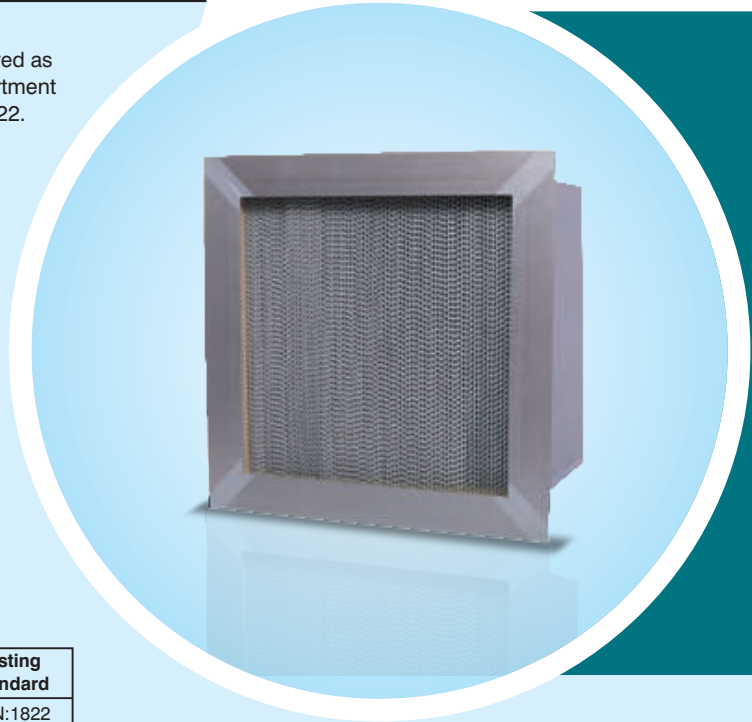
High air purity is the essential requirement for sensitive controlled technical processes. Clean rooms are used as they ensure a low-particle or, when necessary, a low-germ environment. Hepa filters are used to achieve the required filtration class as set by WHO & cGMP.

FEATURES:

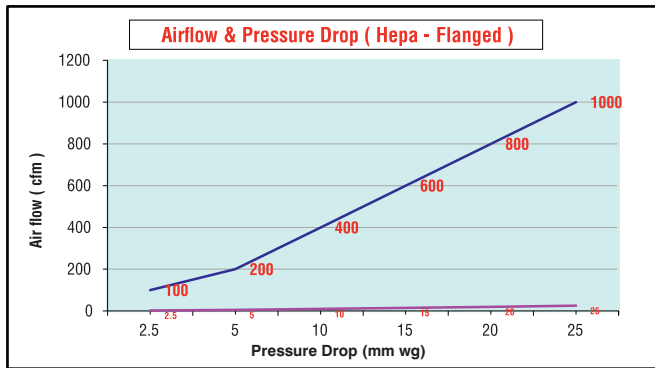
- Tested According to EN: 1822
- High Filter Efficiency.
- High Dust Holding Capacity
- Long Service Life.
- Large Surface for Filtration.

APPLICATION:

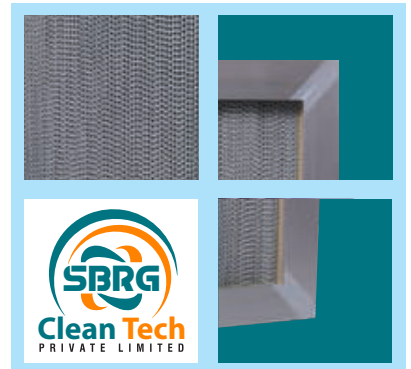
- In sophisticated industrial process (Pharmaceuticals, Biotechnology, chemical, optics, food, microelectronics, etc).
- In Clean room for achieving the desired class.
- In Laminar Air Flow for bacteria free air circulating system.
- In hospitals, pharmaceuticals, labs, research centres etc.



Filter Class	MOC	MERV Rating	Filter Eurovent Class	Frame Depth	Gasket Thickness	Testing Standard
H-13/ H-14	Aluminium Anodised	MERV-19	EU-13/ EU-14	150	5 MM	BS EN:1822
		MERV-19	EU-13/ EU-14	300	5 MM	BS EN:1822



Airflow / Pressure Drop of Hepa (Flanged)	
Filter size 610*610* 300mm	
Air flow (Cfm)	Pressure Drop (mm wg)
100	2.5
200	5
400	10
600	15
800	20
1000	25



* The pressure Drop can vary \pm 10 -15%

HEPA FILTERS TECHNICAL PARAMETERS

Filter Size	CFM	Efficiency	IPD	Recommended FPD	Max. Pressure	Temperature Resistance
		%	Pa	Pa	Pa	°C
610 X 610 X 300 mm	1000	99.97% @ 0.3 Micron	250	600	1000	70
610 X 305 X 300 mm	500	99.97% @ 0.3 Micron	250	600	1000	70
305 X 305 X 300 mm	250	99.97% @ 0.3 Micron	250	600	1000	70
610 X 610 X 150 mm	500	99.97% @ 0.3 Micron	250	600	1000	70
610 X 305 X 150 mm	250	99.97% @ 0.3 Micron	250	600	1000	70
305 X 305 X 150 mm	125	99.97% @ 0.3 Micron	250	600	1000	70

• Also Available in High Temperature. • Special dimensions can be customized.

HIGH FLOW HEPA FILTERS

FILTER CLASS: H-13

SBRG Clean Tech high-efficiency particulate air (HEPA) Filters are manufactured as per the standards of efficiency set by the United States Department of Energy (DOE) & are in accordance with the European Standards EN: 1822.

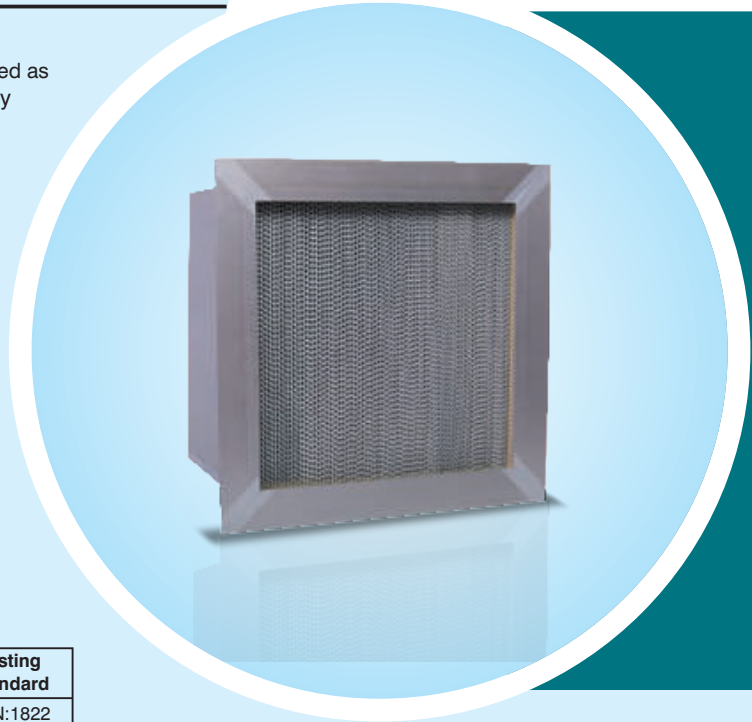
High air purity is the essential requirement for sensitive controlled technical processes. Clean rooms are used as they ensure a low-particle or, when necessary, a low-germ environment. Hepa filters are used to achieve the required filtration class as set by WHO & cGMP.

FEATURES:

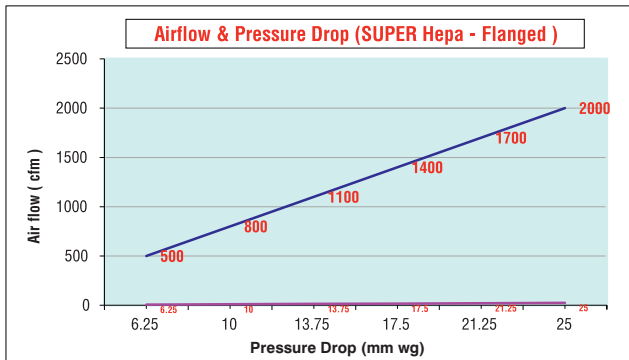
- Tested According to EN: 1822
- High Filter Efficiency.
- High Dust Holding Capacity
- Long Service Life.
- Large Surface for Filtration.

APPLICATION:

- In sophisticated industrial process (Pharmaceuticals, Biotechnology, chemical, optics, food, microelectronics, etc).
- In Clean room for achieving the desired class.
- In Laminar Air Flow for bacteria free air circulating system.
- In hospitals, pharmaceuticals, labs, research centres etc.



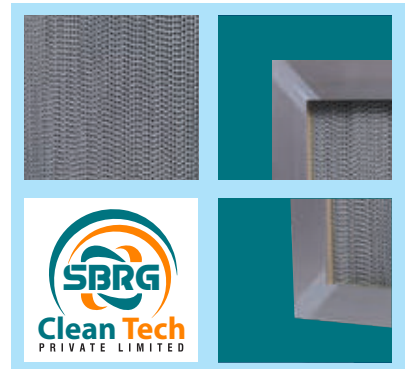
Filter Class	MOC	MERV Rating	Filter Eurovent Class	Frame Depth	Gasket Thickness	Testing Standard
H-13/ H-14	Aluminium Anodised	MERV-19	EU-13/ EU-14	150	5 MM	BS EN:1822
		MERV-19	EU-13/ EU-14	300	5 MM	BS EN:1822



Airflow / Pressure Drop of SUPER Hepa (Flanged)

Filter size 610*610* 300mm

Air flow (Cfm)	Pressure Drop (mm wg)
500	6.25
800	10
1100	13.75
1400	17.5
1700	21.25
2000	25



* The pressure Drop can vary \pm 10 -15%

HIGH FLOW HEPA FILTERS TECHNICAL PARAMETERS

Filter Size	CFM	Efficiency	IPD	Recommended FPD	Max. Pressure	Temperature Resistance
		%	Pa	Pa	Pa	°C
610 X 610 X 300 mm	2000	99.97% @ 0.3 Micron	250	600	100	70
610 X 305 X 300 mm	1000	99.97% @ 0.3 Micron	250	600	1000	70
305 X 305 X 300 mm	500	99.97% @ 0.3 Micron	250	600	100	70
610 X 610 X 150 mm	1000	99.97% @ 0.3 Micron	250	600	1000	70
610 X 305 X 150 mm	500	99.97% @ 0.3 Micron	250	600	1000	70
305 X 305 X 150 mm	250	99.97% @ 0.3 Micron	250	600	1000	70

• Also Available in High Temperature. • Special dimensions can be customized.

MINI PLEAT HEPA FILTERS

FILTER CLASS: H-14

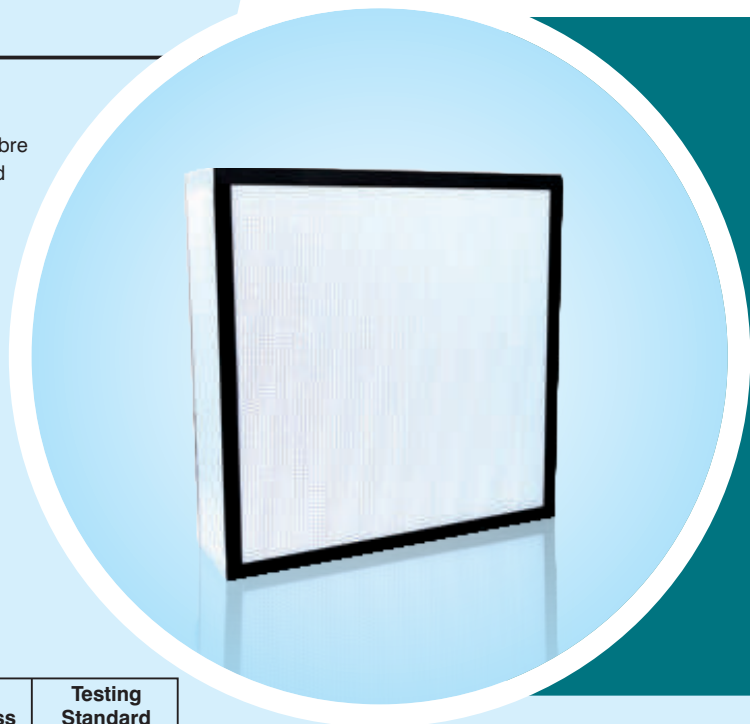
SBRG Clean Tech Mini pleat filters are made by very fine high efficiency micro fibre glass paper media interspaced with hot melt pleating & enclosed in Al. Extruded sections. The mini pleat technique applied ensures uniform flow.

FEATURES:

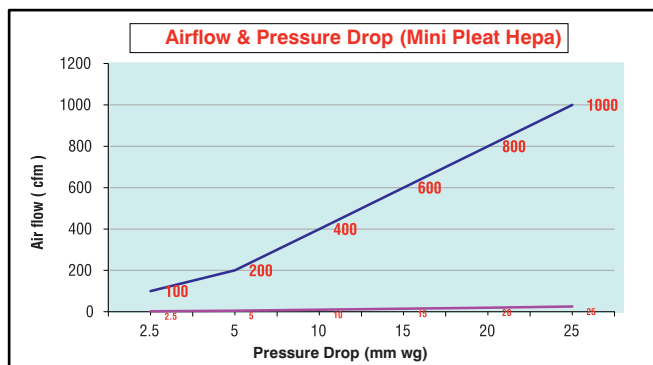
- Tested According to EN: 1822
- High Filter Efficiency.
- High Dust Holding Capacity
- Long Service Life.
- Large Surface for Filtration.

APPLICATION:

- In sophisticated industrial process (Pharmaceuticals, Biotechnology, chemical, optics, food, microelectronics, etc).
- In Clean room for achieving the desired class.
- In Laminar Air Flow for bacteria free air circulating system.
- In hospitals, pharmaceuticals, labs, research centres etc.



Filter Class	MOC	MERV Rating	Filter Eurovent Class	Frame Depth	Gasket Thickness	Testing Standard
H-13/ H-14	Aluminium Anodised	MERV-19	EU-13/ EU-14	75	5 MM	BS EN:1822
		MERV-19	EU-13/ EU-14	110	5 MM	BS EN:1822



* The pressure Drop can vary \pm 10 -15%

Airflow / Pressure Drop of Hepa Filter size 610*610*100mm	
Air flow (Cfm)	Pressure Drop (mm wg)
100	2.5
200	5
400	10
600	15
800	20
1000	25



MINI PLEAT HEPA FILTERS TECHNICAL PARAMETERS

Filter Size	CFM	Efficiency	IPD	Recommended FPD	Max. Pressure	Temperature Resistance
		%	Pa	Pa	Pa	°C
610 x 610 X 69 mm	500	99.99% @ 0.3 Micron	150	600	1000	70
610 x 305 X 69 mm	250	99.99% @ 0.3 Micron	150	600	1000	70
457 X 457 X 69 mm	280	99.99% @ 0.3 Micron	150	600	1000	70
305 x 305 X 69 mm	125	99.99% @ 0.3 Micron	150	600	1000	70
610 X610 X 100 mm	1000	99.99% @ 0.3 Micron	250	600	1000	70
610 X305 X 100 mm	500	99.99% @ 0.3 Micron	250	600	1000	70
457 X457 X 100 mm	550	99.99% @ 0.3 Micron	250	600	1000	70
305 X305 X 100 mm	250	99.99% @ 0.3 Micron	250	600	1000	70

- Also Available in High Temperature.
- Special dimensions can be customized.

MINI PLEAT GEL SEAL HEPA FILTERS

FILTER CLASS: H-13/ H-14

SBRG Clean Tech Mini pleat Gel seal filters are advanced version of conventional Mini pleat filters in which gasket is replaced by silica gel which ensures 0% leakage from the sides/ flanges. Made by very fine high efficiency micro fiber glass paper media interspaced with hot melt pleating & enclosed in Al. Extruded sections.

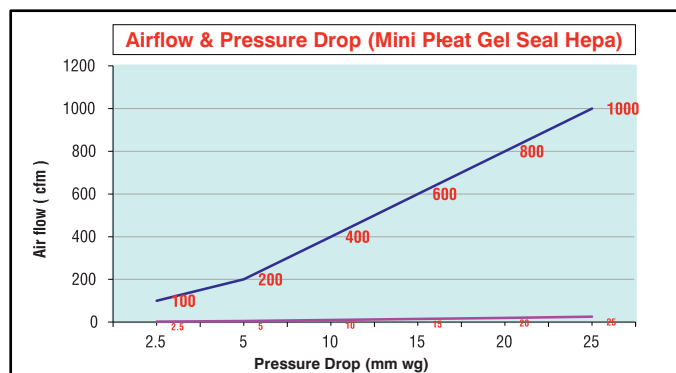
FEATURES:

- Tested According to EN: 1822
- High Filter Efficiency.
- High Dust Holding Capacity
- Long Service Life.
- Large Surface for Filtration.
- 0% chances of air leakage.

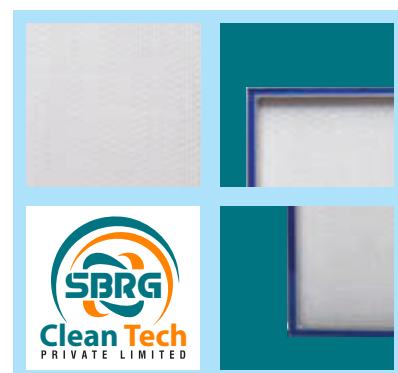
APPLICATION:

- In sophisticated industrial process (Pharmaceuticals, Biotechnology, chemical, optics, food, microelectronics, etc).
- In Clean room for achieving the desired class.
- In Laminar Air Flow for bacteria free air circulating system.
- In hospitals, pharmaceuticals, labs, research centres etc.

Filter Class	MERV Rating	Filter Eurovent Class	Frame Depth	Testing Standard
H-13/ H-14	MERV-19	EU-13/ EU-14	105	BS EN:1822
	MERV-19	EU-13/ EU-14	149	BS EN:1822



Airflow / Pressure Drop of Hepa Filter size 610*610*105mm	
Air flow (Cfm)	Pressure Drop (mm wg)
100	2.5
200	5
400	10
600	15
800	20
1000	25

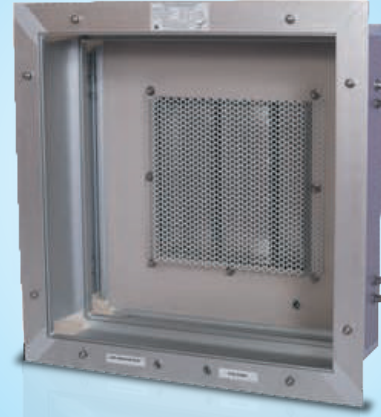
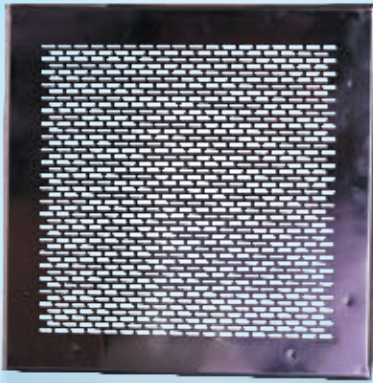


* The pressure Drop can vary \pm 10 -15%

MINI PLEAT GEL SEAL HEPA FILTER TECHNICAL PARAMETERS

Filter Size	CFM	Efficiency	IPD	Recommended FPD	Max. Pressure	Temperature Resistance
		%	Pa	Pa	Pa	°C
610 X 610 X 81 mm	500	99.99% @ 0.3 Micron	250	600	1000	70
450 X 450 x 81 mm	275	99.99% @ 0.3 Micron	250	600	1000	70
305 X 305 X 81 mm	125	99.99% @ 0.3 Micron	250	600	1000	70
610 x 610 X 105 mm	1000	99.99% @ 0.3 Micron	250	600	1000	70
450 X 450 X 105 mm	550	99.99% @ 0.3 Micron	250	600	1000	70
305 x 305 X 105 mm	250	99.99% @ 0.3 Micron	250	600	1000	70
610 x 610 X 135 mm	1600	99.99% @ 0.3 Micron	250	600	1000	70
450 X 450 X 135 mm	870	99.99% @ 0.3 Micron	250	600	1000	70
305 x 305 X 135 mm	400	99.99% @ 0.3 Micron	250	600	1000	70

- Special dimensions can be customized.



FILTERS HOUSING WITH GRILL

HOUSING FILTERS

SBRG Clean Tech Hepa Terminal Boxes are manufactured using fine metals as per the set standards of the industry. Terminal Boxes are available in a various material like MS powder Coated, GI Powder Coated, SS -304 Buffed Sheet Or Aluminium Powder Coated. The terminal boxes are designed for both false ceiling & Slab Mounting arrangement. Terminal boxes are equipped with DOP injection port, pressure differential ports & arrangement for holding perforation Grills or Swirl diffuser as per the requirement.

Each terminal box have provision to operate the damper from the clean room side (Bevel Gear Arrangement is also given on demand) or from the service floor as per the requirement.

FEATURES:

- Easy to install
- Superior finish
- Corrosion resistance
- Robustness
- Low noise

APPLICATION:

- Pharmaceuticals
- Electronic Industries
- Clean rooms for automobiles & food industries
- Nano Technology labs





KNIFE EDGE HOUSING

● SBRG Clean Tech CLEAN TECH'S KNIFE EDGE HOUSING

SBRG Clean Tech knife edge terminal boxes are manufactured using fine material as per the set standard of the industry. Knife edge terminals are used to install gel seal mini pleat hepa filters. Each terminal boxes are equipped with perforated diffusers inside the hood for air distribution. Terminal boxes have arrangement of installing/mounting on non-walkable & walkable false ceilings/slabs & can also be hanged from the ceiling. Terminal boxes can be top/bottom loading depending on the site situation & requirement.

For gel sealed filters, Aluminium extruded knife edge terminal boxes are used having arrangement for filter fixing from the clean room side & air entry from the top. Low leakage dampers are used to control the airflow passing through the filters.

● FEATURES:

- Easy to install. Compact size & low weight.
- Superior Finish & Corrosion resistant
- SS-304 Ports for Aerosol injection, upstream concentration & differential pressure measurement
- Aluminum extruded low leakage apposed blade aerofoil dampers.
- Worm Wheel arrangement for bottom operation of dampers
- Available in Top/Side connection.
- Filter Fixing & removing by means of Pressure plate/ Stud bolt arrangement.

● APPLICATION:

- Hospitals
- Pharmaceuticals
- Electronic Industries
- Nano technology Labs
- Clean rooms for automobiles, food & pharmaceutical industries



OT PLENUM



● LAMINAR AIR FLOW PLENUM

Laminar Air Flow plenum is used to create a sterile working area free of bacterial contamination generally located above the operation table & is made of Aluminium/ SS-304 Sheet for suitable strength. In case of Aluminium after the completion of initial fabrication, the plenum is cleaned & powder Coated to give additional protection & Aesthetic look. The Laminar Air Flow is designed in such a way so as to cover the entire operation table, sterile surgical equipments & doctors. Each Plenum is equipped with provision of fixing of HEPA Filters, DOP port (Required for HEPA filter integrity test) & built in dampers for controlling the air flow across the HEPA Filters. Provision for fixing the lights is also given if required. Double Skinned plenum is also available.

● STANDARD SIZES:

- 2400 mm X 2400 mm
- 2400 mm X 1800 mm
- 1800 mm X 1800 mm

● PERFORATED GRILLS:

SS-304 or Aluminium Powder Coated Perforated grills made from 16 Gauge Aluminium sheet is provided over the HEPA filter face to prevent it from physical damage.



TECHNICAL PARAMETERS

HEPA Filters (0.3 Microns)	
Efficiency	99.97 % down to 0.3 Micron / 99.99 % down to 0.3 Micron
IPD	25 mm WG / 15 mm of WG
FPD	65mm WG
Casing	Aluminium Frame
Media	Imported Submicronic Fiber Glass Paper Pleated with Corrugated Aluminium Separators
Eurovent Class	EU-13 / EU-14
Filter Class	H- 13 / H-14
MERV Rating	MERV - 19 / MERV-20
Temperature	Ambient
Gasket	Food Grade

• Also Available in High Temperature. • Special dimensions can be customized. Customised Sizes & CFM are also available

IN-HOUSE TESTING FACILITIES FOR HEPA FILTERS & TERMINAL HOUSING

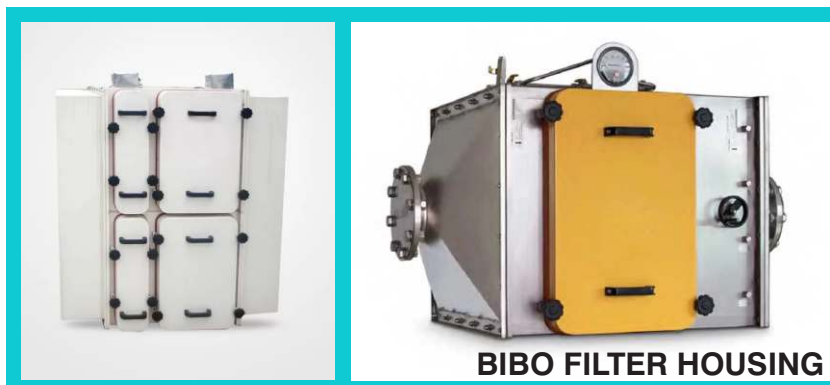


IN-HOUSE TESTING FACILITIES AS PER EN1822

- » HEPA Filter Efficiency » HEPA Housing Leakage
- » HEPA Filter Leakage » Low noise

BIBO HOUSING-TECHNICAL SPECIFICATION

- | | | |
|-----------------------|---|---|
| 1. MOC | : | SINGLE SKIN CRCA POWDER COATED
14G THK, CAM SHAFT ASSEMBLY IN SS-304 |
| 2. FINAL FILTER | : | HIGH FLOW HEPA FILTER BOX TYPE |
| 3. BAGS | : | FOOD GRADE PVC TRANSPARENT BAGS
3MTR LONG WITH SLEEVE AND SILICON CORD |
| 4. SEALING OF FILTERS | : | SS CAM LOCK ARRANGEMENT WITH ADJUSTMENT PREVISION. |





Plot No-104, Industrial Estate, Halol-2, Gujarat, India

Contact us: +91 8378998344 | +91 9691171225

Email: info@sbrgcleantech.in | regulatory@sbrgcleantech.in

OUR BRANCHES

FARIDABAD OFFICE
13, NIT, Industrial Area,
Faridabad-121001, Haryana, India

CORPORATE OFFICE
Plot No 30 Sector 33 Near Hero Honda
Factory Gurgaon- 122001(Haryana) India

DELHI HEAD OFFICE
2nd Floor, C-64, Lajpat Nagar-1,
New Delhi-110024, India

www.sbrgcleantech.com



HOSPITAL CARE

PRODUCT CATALOGUE

WE PROVIDE TRUSTED & HIGH QUALITY
HOSPITAL CARE EQUIPMENT FOR HOSPITALS,
LABS & PHARMA INDUSTRIES

ICU SOLUTIONS

Crash Cart	3-4
Drug Trolley	5

EXAM ROOM SOLUTIONS

Examination Couch	5
Health Check Single Top Examination Couch	6
Health Check Single Top Examination Couch With "U" Cut	7
Health Check Examination Cum-gynaec Table With Upholstered Top & "U" Cut	7

MATERNAL SOLUTIONS

Paediatric Bed With Drop Side Rails	8
Crib Carrier	8

TRANSFER SOLUTIONS

Stretcher On Trolley	9
Stretcher On Trolley (Fully SS)	10
Folding Stretcher Trolley	10

BEDSIDE LOCKER

Bed Side Locker	11
-----------------	----

CARDIAC & OVERBED TABLE

Cardiac Table	12-13
Ot Mayos Instrument Trolley With SS Tray	13
Rectangular SS Bedside Table	13

WARDCARE SOLUTIONS

Overbed Table (Gen)	14
Attendent Bed	14
Semi-Fowler Bed	14
Revolving Stool With Cushion	15
Revolving Stool (Four Legs)	15
Steel Stool (Fully SS)	15
SS Revolving Stool (Four Legs)	16
Revolving Stool	16
Attendent Stool	16
Single Step Stool	17
Double Step Stool	17
Oxygen Cylinder Trolley (IOL Type)	18
Jumbo Oxygen Cylinder Trolley	18
Bedside Screen	18

WARDCARE SOLUTIONS IV Stand WITH DOUBLE HOOK

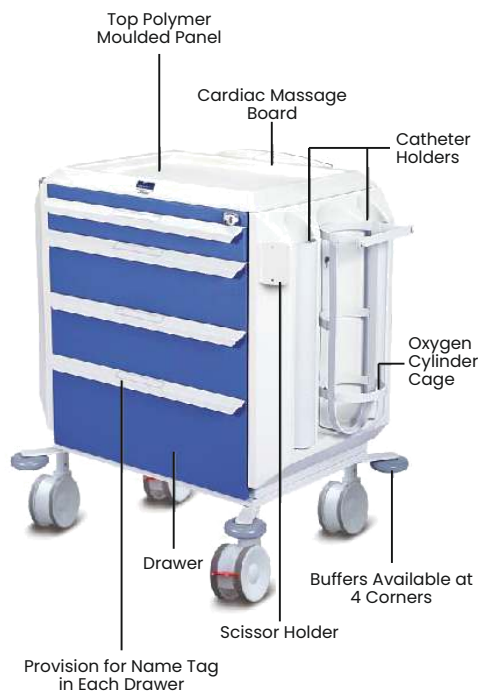
I.V Stand Stainless	19-20
Syringe Pump Stand	20

OT SOLUTIONS

Stainless Steel Instrument Trolley	21-22
Stainless Steel Instrument Trolley with SS Bowl & Tray	22
Stainless Steel Dressing Trolley with SS Bowl & Bucket	22
Linner Trolley With Canvas	23
Rectangular Liner Trolley	23
Single Tier Bowl Stand	23
Two Tier Bowl Stand	24
Stainless Steel Kick Bucket	24
Scrub Station Double	24
Scrub Station With Sensor & Foot Operated	25
SS Working Table	25
SS Table With Undershelf	26
Double Sink	26
Close Transport Trolley	26
Stainless Steel Almira	27
Bio Medical Waste Bin & Wringer Trolley	27



CRASH CART



Product Details

Pushing Handle to Oxygen Cylinder Cage Provision*	1020 mm x 680 mm (L x W)
Platform Dimension: (Top Polymer Moulded Panel)*	560 mm x 370 mm (L x W)
Buffer to Buffer Dimension*	820 mm x 680 mm (L x W)
Height (Floor to Top Polymer Moulded Panel)*	950 mm (H)
Maximum Height (Floor to Eye-level Detachable Fully SS Top Shelf)*	1645 mm (H)

Technical Specification

Cardiac Massage Board (Dimensions)*	710 mm x 390 mm (L x W) 8 mm Thickness
First Drawer ABS Tray *	578 mm x 360 mm x 65 mm, (L x W x H)
Second & Third Drawer ABS Tray *	578 mm x 360 mm x 145 mm, (L x W x H)
Fourth Drawer ABS Tray *	578 mm x 360 mm x 225 mm, (L x W x H)
Provision for De-Fib Tray *	335 mm x 235 mm x 20 mm, (L x W x H)

Standard Features

- Four drawers with central locking
- Oxygen cylinder cage
- File / chart holder
- Trash can (1 no.)
- Catheter holder (2 nos.)
- Top & second drawer each will have poly-carbonate partition plates of 1 set includes (3 long plates + 3 short plates)
- Two shelves, one ss & one with multicoloured removable bins at eye-level along with IV pole with single hook
- Twin wheel high grade synthetic castors 125 mm (5") dia two with brake and two without brake buffers at 4 corners

Add-On Accessories

- De-fib tray holder platform of 310 mm x 210 mm, 12" x 8" (L x W)*
- Two shelves, one ss & one with multicoloured removable bins at eye-level along with IV rod with single hook
- Scissor holder
- Additional set of polycarbonate partition for third drawer
- Additional set of polycarbonate partition plates for 3rd middle single drawer
- Set of polycarbonate partition plates for fourth drawer

*± 15 mm Engineering Variation



CRASH CART

Product Details

Dimensions: 960 mm x 500 mm x 1635 mm (L x W x H)*

Standard Features

- SS tubular frame and SS shelves
- Two rows with six multicoloured removable bins and polystyrene lockable storage units with three drawers having containers of different sizes
- 125 mm high grade synthetic castors two with brakes and two without brakes
- Complete with powder coated oxygen cylinder holder, catheter holder, cardiac massage board, 55 IV pole
- Safe working load: 50 kgs
- Supplied in KDC condition

CRASH CART

Product Details

- Overall approximate dimension: 1090 mm x 400 mm x 1650 mm, (L x W x H)*
- MS tubular frame and MS shelves on top and bottom
- Most frequently used centre shelf
- Two rows with six multicoloured removable bins and polystyrene lockable storage units with three drawers having containers of different sizes
- 125 mm high grade synthetic castors two with brakes and two without brakes
- Complete with powder coated oxygen cylinder holder, cardiac massage board, SS IV pole
- Safe working load: 60 kgs
- Supplied in KDC condition





DRUG TROLLEY

Product Details

Dimension: 680 mm x 410 mm x 1570 mm (L x W x H)*

Large bin dimension: 250 mm x 165 mm x 125 mm (L x W x H)*

Small bin dimension: 150 mm x 110 mm x 75 mm (L x W x H)*

Standard Features

- 30 multicoloured removable bins including 12 nos. of large and 18 nos. of small bins
- SS shelf at the top and MS tray at the bottom for medicinal storage
- 125 mm high grade synthetic castors two with brakes and two without brakes
- Safe working load: 50 kgs
- Supplied in KDC condition

EXAM ROOM SOLUTIONS

EXAMINATION COUCH

Product Details

- Overall approximate dimension: 1835 mm x 615 mm x 825 mm (L x W x H)*
- Mild steel tubular construction, machine pressed double bend mild steel sheet
- Two sections with fixed upholstery
- Headrest adjusted on ratchet with four elevation angles
- Legs fixed with rubber shoes
- Pre-treated and epoxy powder coated
- Safe working load of 140 Kgs and patient weight bearing capacity of 135 Kgs
- Upholstery Colour: Tan Brown



HEALTH CHECK SINGLE TOP EXAMINATION COUCH

Product Details

- Overall approximate dimension: 1900 mm x 560 mm x 840 mm, (L x W x H)*
- Overall Width with BP tray: 945 mm*
- Overall Width with step stool: 970 mm*
- Mattress platform size: 1900 mm x 565 mm x 65 mm (L x W x H)*
- Upper section of box size: 1220 mm x 460 mm x 630 mm (L x W x H).*
- Two side cabinet size: 430 mm x 440 mm x 430 mm (L x W x H)*
- One center cabinet size: 350 mm x 430 mm x 370 mm (L x W x H)*
- BP tray size: 350 mm x 125 mm x 20 mm (L x W x H)*
- Fixed upholstered top in two pieces of 560 mm (W)*
- Headrest adjustable on gas spring
- Upper section of box with three drawers
- Lower section comprises of three cabinets with separate doors and lock on two side doors
- BP apparatus tray provided near headrest
- Inbuilt sliding step stool
- Pre-treated and epoxy powder coated
- Safe working load of 170 kgs and patient load bearing capacity of 135 kgs

Also Available in SS



HEALTH CHECK SINGLE TOP EXAMINATION COUCH

Product Details

- Overall approximate dimension: 1830 mm x 560 mm x 840 mm, (L x W x H)*
- Mattress platform size: 1830 mm x 560 mm x 65 mm, (L x W x H)*
- Upper section of box size: 1220 mm x 460 mm x 630 mm, (L x W x H)*
- Two side cabinet size: 340 mm x 430 mm x 430mm (L x W x H)*
- One center cabinet size: 350 mm x 430 mm x 370 mm, (L x W x H)*
- BP tray size: 350 mm x 120 mm x 20 mm (L x W x H)
- Single section fixed upholstered top
- MS Powder coated drawers and cabinet doors and sliding inbuilt step stool
- Upper section of box with three drawers
- Pre-treated and epoxy powder coated





HEALTH CHECK SINGLE TOP EXAMINATION COUCH WITH "U" CUT

Product Details

- Overall approximate dimension: 1900 mm x 570 mm x 840 mm (L x W x H)*
- Overall Width with BP tray: 920 mm *
- Mattress platform size: 1840 mm x 570 mm x 65 mm (L x W x H)*
- Upper section of box size: 1220 mm x 460 mm x 630 mm (L x W x H)*
- Two side cabinet size: 430 mm x 320 mm x 430 mm (W x H x D)*
- BP apparatus tray size: 356 mm x 127 mm x 20 mm (L x W x H)*
- Single section upholstered top, with "U" cut
- A pair of synthetic rubber padded SS lithotomy poles with rexine ankle straps
- MS powder coated drawers and cabinet doors and sliding inbuilt step stool
- Upper section of box with three drawers
- Lower section comprises of three cabinets with separate doors and lock on two side doors.
- Pre-treated and epoxy powder coated
- Safe working load of 170 kgs and patient weight bearing capacity of 150 kgs

HEALTH CHECK EXAMINATION CUM-GYNAEC TABLE WITH UPHOLSTERED TOP & "U" CUT

Product Details

- Overall approximate dimension: 1890 mm x 610 mm x 825 mm (L x W x H)*
- Two sections with fixed upholstered tops
- Headrest adjusted on ratchet
- Perineal recess and SS bowl at leg end
- Pair of synthetic rubber padded stainless steel lithotomy poles with rexine ankle straps
- Legs fixed with rubber shoes
- Pre-treated and epoxy powder coated
- Safe working load of 140 Kgs and patient weight bearing capacity of 150 Kgs





PAEDIATRIC BED WITH DROP SIDE RAILS

Product Details

- Overall approximate dimension: 1490 mm x 830 mm x 600 mm (L x W x H)*
- Bed frame approximate dimension: 1370 mm x 760 mm (L x W x H)*
- Perforated MS sheet top
- Both bows of 1065 mm (H) with one horizontal, and seven vertical supports and rubber feet*
- Full length drop side rails
- Provision for mosquito net poles
- Pre-treated and powder coated

CRIB CARRIER

Product Details

- Overall approximate dimension: 920 mm x 460 mm x 950 mm (L x W x H)*
- Approximate crib size: 760 mm x 375 mm x 305 mm (L x W x H)*
- 3" PU Foam Mattress with PVC Rexine
- Tubular frame fitted with swiveling castors of 125 mm diameter synthetic body castors two with brake and two without brake
- Pre-treated and epoxy powder coated



STRETCHER ON TROLLEY

Product Details

- Overall approximate dimension: 1830 mm x 560 mm x 845 mm (L x W x H)*
- Mattress platform dimension : 1790 mm x 555 mm (L x W)*
- Mild steel tubular framework mounted on four swivel castors, 200 mm (8" diameter two with brake and two without brake
- Removable stretcher top in two section made of pre-laminated board supported on tubular frame
- Backrest on ratchet
- Supplied with safety belts
- Fitted with swing away type mild steel epoxy powder coated side rails 630 mm (635 mm with locking flat)
- Oxygen cylinder cage & MS storage tray
- Stainless steel IV poles with the provisions on diagonal sides
- Pre-treated and powder coated finish
- Safe working load of 135 Kgs and patient weight bearing capacity of 105 Kgs

STRETCHER ON TROLLEY

Product Details

- Overall approximate dimensions: 2030 mm x 570 mm x 820 mm (L x W x H)
- Mattress platform dimension: 1810 mm x 560 mm (L x W)*
- Mattress dimension: 1829 mm x 559 mm x 50 mm (thickness with two safety belts)
- Safe working load of 135 Kgs and patient weight bearing capacity of 130 Kgs
- Mild steel tubular framework mounted on four swivel castors, 200 mm (8" diameter, two with brake and two without brake
- Removable stretcher top made of aluminium sheet supported on tubular frame
- Pre-treated and powder coated
- Supplied with safety belt





STRETCHER ON TROLLEY (FULLY SS)

Product Details

- Overall approximate dimensions : 2050 mm x 570 mm x 820 mm (L x W x H)*
- Mattress platform dimension: 1810 mm x 560 mm (L x W)*
- Mattress dimension: 1829 mm x 559 mm x 50 mm (thickness with two safety belts)
- Safe working load of 135 Kgs and patient weight bearing capacity of 150 Kgs
- SS tubular framework mounted on four swivel castor of 200 mm, 8" diameter, two with brake and two without brake
- Removable stretcher top made of stainless steel sheet supported on SS tubular frame
- Two provisions for IV pole
- Supplied with safety belts

FOLDING STRETCHER TROLLEY

Product Details

- Overall approximate dimension: 2100 mm x 640 mm (L x W)* (Without railing)
- Folded length approximately 1020 mm (L)*
- Fixed Height: 830 mm *
- MS tubular framework mounted on four swivel castors of 200*mm diameter, two with brake and two without brake
- Fixed foldable stretcher top made up of aluminium sheet powder coated bolted on tubular trolley framework
- Folding on ratchet at both ends
- Provision for IV poles
- Pre-treated and powder coated
- Supplied with safety belts
- Safe working load of 135 Kgs and patient Weight bearing capacity of 140 Kgs



BEDSIDE LOCKER



BED SIDE LOCKER

Product Details

It is fully made of High quality ABS engineering plastic and shaped by injection machine equipped with one food tray, one drawer, one storage cupboard and two towel shelf on both sides

BEDSIDE LOCKER

Product Details

Locker made of machine pressed CRCA sheet. Enclosed on 3 sides with drawer on telescopic channel. Provided with 55 mm dia revolving castor with SS top having edges raised on 3 side pretreated on epoxy powder coated finished.



BED SIDE LOCKER

Product Details

1. Size: 16L X 16W X 32H inch.
2. Joint less double S.S Top
3. One box with door made of MS sheet
4. Four MS legs fitted with PVC stumps
5. Finish: Pre-treated and Epoxy powder coated

*** Also available in single SS top**



CARDIAC & OVERBED TABLE



CARDIAC TABLE

Product Details

1. Rectangular frame work mounted on 5 cm castor
2. ABS top adjustable by Pneumatic gas spring
3. Finish: Pre -treated and Epoxy Powder Coated

CARDIAC TABLE

Product Details

Rectangular frame work mounted on 5 cm castors, ABS top adjustable by gear handle. Pre-treated and epoxy powder coated finished.



CARDIAC TABLE

Product Details

Rectangular frame work mounted on 5 cm castors, Membrane press wooden/ABS top adjustable by gear handle. Pre-treated and epoxy powder coated finished.



CARDIAC & OVERBED TABLE



CARDIAC TABLE

Product Details

1. Approx Tray SS Size: 36 L X 20 W inch
2. Frame work of SS tubes mounted on 10 cm castors
3. Height adjustable by both side knob
4. SS Frame with SS top

OT MAYOS INSTRUMENT TROLLEY WITH SS TRAY

Product Details

1. Rectangular SS tubes mounted on 5 cm castor height adjustable by side knob
2. SS frame with SS removal tray.
3. Size: tray-56 L x 40 w inch



RECTANGULAR SS BEDSIDE TABLE

Product Details

1. Rectangular trolley with 3 shelves and top complete stainless steel
2. Shelves and top made from 1 mm thick SS 304 grade
3. Railings on three side of each shelf and top (8mm dia. SS bar)
4. Vertical Section 20 x 20 mm SS tube. 1.25 mm thick.
5. 50 mm dia non rusting castors





OVERBED TABLE (GEN)

Product Details

1. Overall Size: 42"L x 16"W x 39"H
2. Tubular frame work mounted on 5 cm castors
3. Fixed Membrane press ABS top
4. Finish: Pre-treated and Epoxy powder Coated

ATTENDENT BED

Product Details

1. Frame work made of rectangular MS tube.
2. Fitted with perforated CRCA sheet top
3. Stainless Steel tubular Head & Foot Bows.
4. Legs fitted with PVC stumps.
5. Overall Size: 66 L X 24 W X 18 H inch
6. Epoxy Powder Coated.



SEMI-FOWLER BED

Product Details

1. Single function manual bed suitable for back rest.
2. Bed platform of 2 section uniformly perforated 18g CRCA Sheet.
3. Easily detachable SS head & Foot end Bows.
4. Top frame made from 60mm x 30mm ERW tube.
5. Four IV provisions with nylon inserts
6. Legs made of square /round tube.
7. Pre-treated & Epoxy Powder Coated.
8. Overall Size: 81 L X 35 W X 24 H inch

• **Optional:** SS side railings, IV rod, Wheels & Mattress.





REVOLVING STOOL WITH CUSHION

Product Details

1. Height adjustable cushioned seat
2. 5 legs base on castor

REVOLVING STOOL (FOUR LEGS)

Product Details

1. Four legs, S.S top pretreated epoxy coated finish.
2. Height: 18-39 inch (Screw Adj.) S.S Top Dia: 30 CM



STEEL STOOL (FULLY SS)

Product Details

1. Overall Size: 12"L x 12"W x 20"H
2. Basic area size: 410 mm x 410 mm, 16" x 16" (L x W)
3. Superimposed SS top on framework of mild steel, pressed bent angles and CRCA steel sheet top
4. Legs fitted with PVC angular shoes
5. Pre-treated and powder coated finish





SS REVOLVING STOOL (FOUR LEGS)

Product Details

1. Four legs full SS
2. Height: 18-39 inch (Screw adjt.) SS top dia: 30cm.

REVOLVING STOOL

Product Details

1. Three legs, S.S top pretreated epoxy coated finish.
2. Height: 18-39 inch (Screw Adj.)
S.S Top Dia: 30 cm



ATTENDENT STOOL

Product Details

1. Full SS square tubular framework
2. SS top: 11/11 inch.
3. Height: 18 inch



SINGLE STEP STOOL

Product Details

- Overall size: 515 mm x 305 mm, 20" x 12" (L x W x H)*
- Step height: 230 mm, 9"
- Mild steel tubular frame
- Mild steel top fitted with aluminium tread flats
- Legs fitted with PVC angular shoes
- Pre-treated and powder coated finish

DOUBLE STEP STOOL

Product Details

- Overall size: 605 mm x 510 mm x 450 mm (L x W x H)*
- Step height: first 230 mm (H) and second 445 mm Mild steel tubular frame
- Mild steel top fitted with aluminium tread flats
- Legs fitted with PVC angular shoes
- Pre-treated and powder coated finish





OXYGEN CYLINDER TROLLEY (IOL TYPE)

Product Details

Mobile on two fixed 10 cm. Castors. Pretreated, Epoxy coated finish.

ALSO AVAILABLE IN SS STRUCTURE

JUMBO OXYGEN CYLINDER TROLLEY

Product Details

Tubular structure with heavy duty 7" dia castors wheel. To support easy movement for jumbo cylinders 4" revolving castors on rear and complete solid axel for the 7" castors.

ALSO AVAILABLE IN SS STRUCTURE



BEDSIDE SCREEN

Product Details

Three fold screen with curtain.
Pretreated epoxy finish.
Overall size: 90 W X 69 H inch
Castors dia 5 cm.

ALSO AVAILABLE IN SS STRUCTURE



IV Stand WITH DOUBLE HOOK



I.V STAND STAINLESS

Product Details

1. Stainless steel tubular constructor
2. SS Rectangular tube base with 50 mm dia castor.
3. SS double hook IV rod. Adjustable height

I.V STAND STAINLESS

Product Details

1. Stainless steel tubular constructor.
2. Five legs MS crusting base with 50 mm dia. Castors.
3. SS double hook IV rod. Adjustable height.



IV Stand WITH DOUBLE HOOK



I.V STAND STAINLESS

Product Details

1. Stainless steel tubular constructor.
2. Three legs MS crusting base with 50 mm dia. Castors.
3. SS double hook IV rod. Adjustable height.

SYRINGE PUMP STAND

Product Details

1. The stands comes with 4 adjustable shelves to hold syringe pumps.
2. Provided with electrical connections at the bottom of the stumps, where all the 4 pumps can be plugged at a time .Complete stand on mobile with 50 mm dia castors.





STAINLESS STEEL INSTRUMENT TROLLEY

Product Details

- Overall approximate dimension: 680 mm x 450 mm x 1000 mm (L x W x H)*
- Stainless steel tubular frame mounted on four 125 mm diameter castor wheels with synthetic body, two with brake & two without brake
- Three stainless steel shelves with protective railing on three sides

STAINLESS STEEL INSTRUMENT TROLLEY

Product Details

- Overall approximate dimension: 1067 mm x 610 mm x 1000 mm
- Stainless steel tubular frame mounted on four 125 mm diameter castor wheels with synthetic body, two with brake & two without brake
- Three stainless steel shelves with protective railing on three sides



STAINLESS STEEL INSTRUMENT TROLLEY

Product Details

- Overall approximate dimension: 680 mm x 450 mm x 900 mm (L x W x H)*
- Stainless steel tubular frame mounted on four 125 mm diameter castor wheels with synthetic body, two with brake & two without brake
- Two stainless steel shelves with protective railing on all three sides





STAINLESS STEEL INSTRUMENT TROLLEY

Product Details

- Overall approximate dimension: 1067 mm x 610 mm x 952 mm (L x W x H)*
- Stainless steel tubular frame mounted on four 125 mm diameter castor wheels with synthetic body, two with brake & two without brake
- Two stainless steel shelves with protective railing on all three sides

STAINLESS STEEL INSTRUMENT TROLLEY WITH SS BOWL & TRAY

Product Details

- Overall approximate dimension: 680 mm x 450 mm x 920 mm (L x W x H)*
- Stainless steel tubular frame mounted on four 125 mm diameter castor wheels with synthetic body, two with brake & two without brake
- Two stainless steel shelves with protective railing on three sides with stainless steel bowl & tray



STAINLESS STEEL DRESSING TROLLEY WITH SS BOWL & BUCKET

Product Details

- Overall approximate dimension: 1015 mm x 510 mm x 920 mm (L x W x H)*
- Approximate shelf dimension: 755 mm x 500 mm, 30"x 20" (L x W x H)*
- Stainless steel tubular frame mounted on four 125 mm diameter castor wheels with synthetic body, two with brake & two without brake
- Two stainless steel shelves with protective railing on all four sides





LINNER TROLLEY WITH CANVAS

Product Details

1. Frame work of CRC tube mounted on 10 cm castor.
2. Superior quality canvas bag
3. Pre-treated and Epoxy power coated finish.

ALSO AVAILABLE IN MS STRUCTURE

RECTANGULAR LINER TROLLEY

Product Details

Big full SS trolley to collect solid linen in a canvas bag which covers specially useful to collect solid linen of Operation Theater. Solid bag is supported by number of horizontal tube. 4" castors with 2 brakes.



SINGLE TIER BOWL STAND

Product Details

- Overall approximate dimension: 850 mm (H)*
- Stainless steel bowl size: 375 mm diameter*
- Twin wheel castors of 50 mm diameter *
- Pre-treated and powder coated





TWO TIER BOWL STAND

Product Details

- Overall approximate height: 850 mm (H)*
- Mild steel tubular frame mounted on three swivel, synthetic body castors of 50 mm diameter, without brake
- Two stainless steel bowls of approximately 375 mm, 15" diameter *
- Pre-treated and powder coated

STAINLESS STEEL KICK BUCKET

Product Details

- Stainless steel tubular framework fitted with three 50 mm, diameter synthetic body castors, without brake
- Stainless steel bowl of approximate 375 mm, diameter*
- Overall height: 330 mm*



SCRUB STATION DOUBLE

Product Details

Elbow operated wall mounted Scrub Station, made of heavy duty Stainless Steel 304 grade designed for splash free usage without touching the taps soap dispensers directly without the handle.



SCRUB STATION WITH SENSOR & FOOT OPERATED

Product Details

- The HV electrical components are housed in the junction box
- The fascia is 24 VAC operated
- It complies with LV requirement
- The bowl is constructed in such a manner that will eradicate back splash of water
- The drainage is precisely designed to avoid any overflowing
- With its time out control, these sinks have the capability to provide the convenience to the user and also work as a water saving concept
- Two users scrubbing with sensor (Timer) & foot operated.
- User can set the time as per their need.
- Overall Size: 63 L x 24 W x 57 H



SCRUB STATION WITH SENSOR & FOOT OPERATED

Product Details

- The HV electrical components are housed in the junction box
- The fascia is 24 VAC operated
- It complies with LV requirement
- The bowl is constructed in such a manner that will eradicate back splash of water
- The drainage is precisely designed to avoid any overflowing
- With its time out control, these sinks have the capability to provide the convenience to the user and also work as a water saving concept



SS WORKING TABLE

Product Details

The work top will be made from 1.5 mm thick stainless steel 304-quality material. Full length reinforcement will be provided at the center of work table. The unit will be provided with four nos stainless steel vertical square tubular legs with horizontal brace of size 30 mm x 30 mm x 1.2 mm thick with height adjustable nylon bullet feet at bottom. It will have one under shelf and a telescopic type sliding drawer. The unit will be duly buffed and polished to matt finish. All sharp corners are made round. All the welding will be done by argon arc process.

Overall size: 1500 L x 600 W x 900 H mm.





SS TABLE WITH UNDERSHELF

Product Details

The framework will be made from square pipes of size 25 mm x 25 mm x 1.2 mm thick stainless steel 304-quality material. It will be provided with top and bottom shelves with 25 mm raised collar on all four sides made from stainless steel 304 quality materials. Guide railing will be provided on three sides for both the shelves. Four nos 5" dia swivel type castor wheels will be provided at the bottom, of which two with the brakes and two fixed type.

All the welding will be done by TIG argon arc process. The unit will be duly buffed and polished to mat finish.

Overall size: 900 L x 550 W x 900 H mm.

DOUBLE SINK

Product Details

The work top will be made from 1.5 mm thick stainless steel 304 quality materials with two sinks of size 600 mm x 400 mm x 300 mm deep. The unit will be provided with four nos. stainless steel vertical square tubular legs with horizontal brace of size 35mm x 35 mm x 1.2 mm thick with height adjustable nylon bullet feet at bottom. It will have 150 mm high splash back made of stainless steel material. Drain valve with removable strainer will be provided on both the sinks. Jaguar make mixing faucet with swivel spout and provision for water spray gun will be provided for cold and hot water.

The unit will be duly buffed and polished to matt finish. All sharp corners are made round. All the welding will be done by argon arc process.



CLOSE TRANSPORT TROLLEY

Product Details

The top will be made from 1.2 mm thick stainless steel 304-quality material. All the three sides will have enclosure made from stainless steel 304-quality material. The front side will have two nos lockable type hinged door made from 1.5 mm thick stainless steel 304 quality materials with handle bars. Three nos. fixed type shelves (including bottom) will be provided. Handles will be provided on both sides of the trolley made from tubular stainless steel 304 quality materials. Four nos, 5 "dia swivel type castor wheels of which two nos with brakes will be provided at bottom.

The unit will be duly buffed and polished to matt finish. All sharp corners are made round. All the welding will be done by argon arc process.

Overall Size: 850 L x 550 W x 1150 H mm





STAINLESS STEEL ALMIRAH

Product Details

Made of full stainless steel 304 G, 20 Gage sheet. The Almirah is divided in 2 tiers. Upper tier have three stainless steel shelf. Low tiers have two stainless steel shelf. Almirah have 4 front door made of stainless steel. Stand of Stainless steel heavy Leg.

Size: 47 L x 22 W x 77 H inches

BIO MEDICAL WASTE BIN & WRINGER TROLLEY

Product Details

Being a well known organization, we are also engaged in offering a wide range of Color Coded Bins with Trolley to meet the demands of our clients. These products are available in different range of alluring colours and are offered in different sizes and dimensions. All these products are well equipped and ensure long lasting service. Stainless Steel frame and trolley on castors with foot operating system and one Autoclavable and Environment friendly, reusable plastic bins as per Bio Medical Waste colour coding.

Features:

- Easy maintenance • Durable
- Attractive in looks • Capacity: 30 to 60 liter.





HOSPITAL CARE- PRODUCT CATALOGUE

PLOT NO. 104, Maswad industrial Estat, GIDC Halol 2, Panch Mahals, Gujarat- 389350

FARIDABAD OFFICE : 13, NIT, Industrial Area, Faridabad-121001, Haryana, India

CORPORATE OFFICE : Plot No 30 Sector 33 Near Hero Honda Factory Gurgaon- 122001 (Haryana) India

DELHI HEAD OFFICE : 2nd Floor, C-64, Lajpat Nagar-1, New Delhi-110024, India

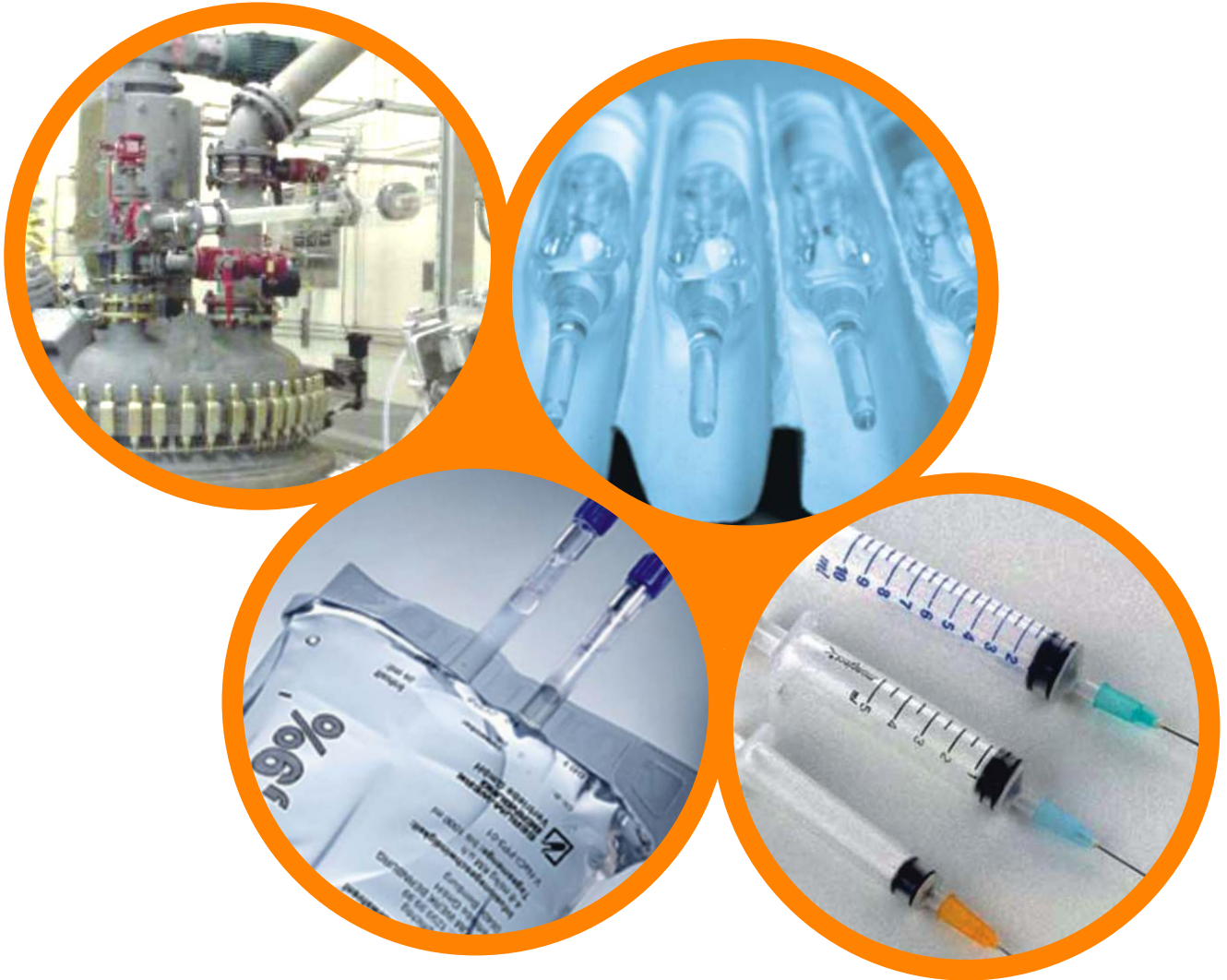
Cleanroom

C a t a l o g u e



Industries we serve

- Sterile
- Oncology
- OSD
- LVP/ SVP
- Injectable
- API
- Biotechnology
- R&D Lab



Our Modular Cleanroom partitioning system is designed for ease in installation and practical functionality, while maintaining a modular flexibility. Simplified construction methods and progressive & non-progressive systems help our client's to minimize overall construction time.

OUR PRODUCT LINE

- Pre-engineered powder-coated modular panels
- Pre-painted modular panels
- Cleanroom Metal Doors
- Fire Rated Metal Doors

- Veterinary
- Healthcare
- Medical devices
- Food and beverages
- Semiconductor
- Solar panels
- Electronics
- Glass manufacturing



Why Us

- Team having a rich pharmaceutical experience
- Ability to understand customer's requirements
- Tailor made products
- Own installation team ensuring timely project completion
- Products in compliance with the regulatory requirements
- Latest updated technology as per current industrial needs

Turnkey Cleanroom Solutions

Cleanroom Modular Wall & Ceiling Panels

Cleanroom Doors & Windows



Cleanroom HVAC & Validation



Cleanroom Equipment



Cleanroom Electrical & Utilities





GI Powder Coated Cleanrooms

GMP modular panels are made up of GPSP GI sheet having lock formed quality (LFQ), minimal spangle with a zinc coating of 80-120 gsm. The panels are filled with an infill of polyurethane foam (PUF/ PIR), honeycomb paper core or high density mineral wool.



SBRG Clean Tech modular panels are pure polyester powder coated to 60-80 microns and 15-25% gloss level with below properties

- Inert and non particle shedding
- Resistance to abrasion and chemicals
- Thermal and sound insulation
- Corrosion protection
- Smooth bump free surface
- Better UV protection
- Easy cleaning and maintenance



Panel Width: 1205 mm, 1220 mm as standard

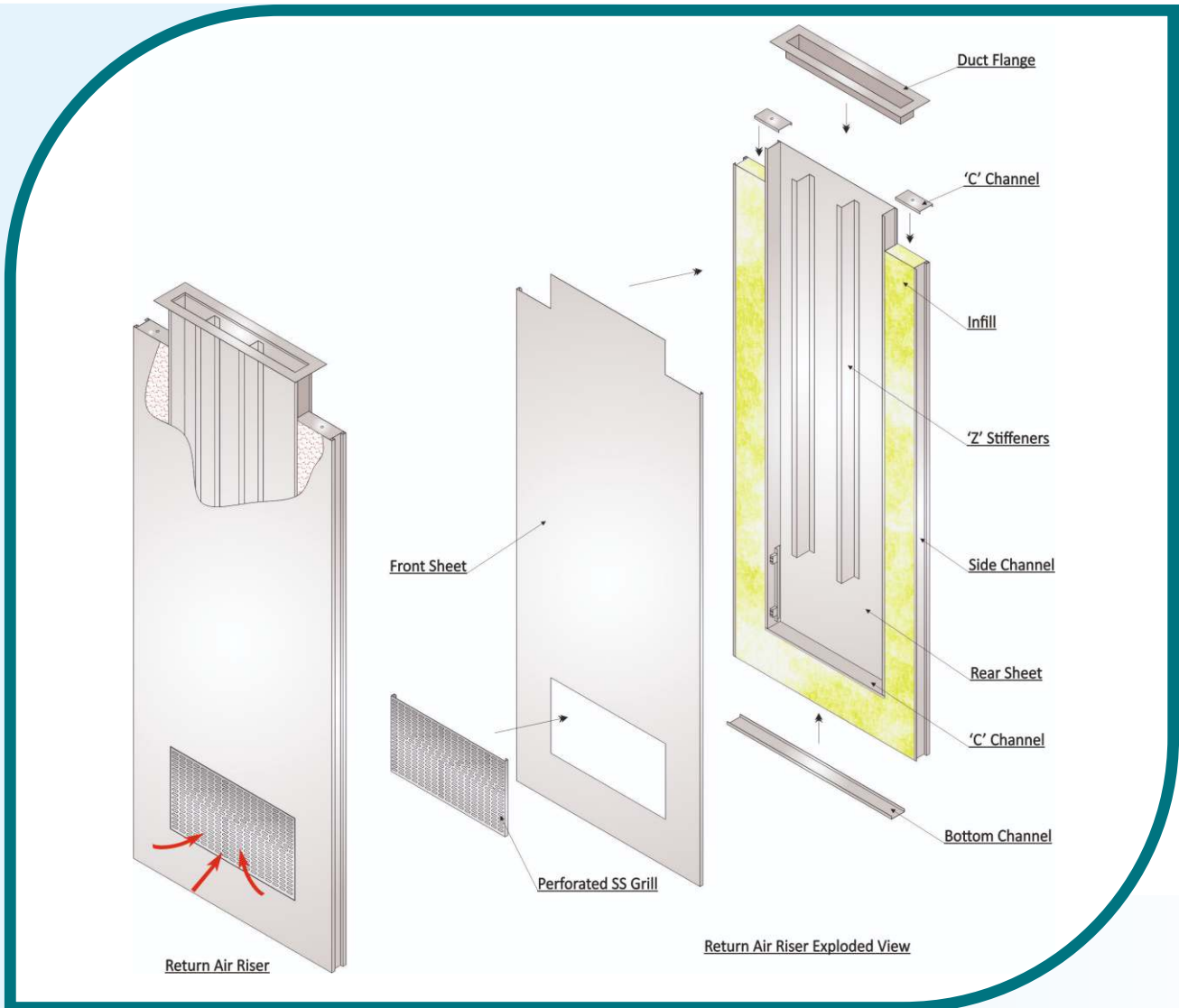
Panel Thickness: 50, 80, 100 mm as standard

Panel Height: up to 6000 mm with provision of stacked panels for higher applications

Panel connection: Friction type interlocking key for Speedy & Dismantling.

- Base Detail** : Raised type base to allow flush coved finish and C-type base
- View panel** : Viewing glass is an integral part of wall panel thus called view panel. It is made up of 5mm thick toughened glass duly flushed on both sides of wall panel
- Door** : Lock formed construction. Optional double and single glazed view with cleanroom compatible accessories
- Coving** : Powder coated aluminium coving. Press fit fixing arrangement with aluminium backing
- Return air -risers** : Return air riser is an integral part of wall panel. It is made by fabricating a duct of maximum 900 mm width in between panel and given 150 mm above ceiling projection. Perforated grill in powder coated GI or in SS 304 is also provided.
- Ceiling panel** : Walkable and non-walkable ceiling panels are made up of same method as wall panel but with stiffeners for additional strength
- Cutouts** : Factory made cutouts are provided as per required sizes and location with GI conduit for running cables. Ceiling cutouts could be with lip or without lip as per required design
- Sealant** : Food grade silicone sealant for minimizing air leakages

Return Air Riser Panels



We are manufacturing Return Air Rise panels. These panels have integrated suction area in modular panel which is developed to ensure leak proof installation. Our range of return air risers is extensively applied to overall appearances of cleaned rooms. Further, our range is renowned for high-end features such as corrosion resistance, curved corner at bottom and low maintenance. These panels are concealed Type, SS, GL/ CRCA Powder coated construction, with/ without front doors.

These panels have provision for installing of VCD for flow control. The Upper flange is for connection in ducts, calculated cutouts for suction area. It is Available with Grill, VCD, Filter, Filter sheets.

Fire Retardant wall Panels



Fire Retardant panels consist of two outer metal sheets (steel or aluminium) with an insulation of puff core sandwiched, bonded with specialized adhesives. This system setup provides outstanding mechanical performance at minimal weight. The excellent performance of rock wool insulation is commonly adopted for fire-resistance and noise reduction in buildings. Fire retardation capacity 350 to 750°C with 2 hours of fire rating.

Pre-Painted GI Cleanrooms (PPGI)



Pre-painted wall and ceiling panels are fabricated by using pre-painted GI Sheets of 0.60/0.80 mm thickness. These are bonded on GI frame with an in-fill of polyurethane foam (PUF/ PIR) forming a rigid panel.

- Standard thickness: 50, 80 and 100 mm
- Standard width: 1000/1200 mm
- Standard height: 3000 to max. 6000 mm
- Base Detail: C-Type base
- Panel connection: Friction type interlocking key for speedy erection and dismantling
- Cutouts: On site cutouts of required sizes



FEATURES

- Maximum durability and high visibility
- Attractive look
- Prevents direct contact with sunlight
- High energy saving

Specifications

View Panels are similar as wall panels with cutout for vision. In view Panel in which 5 mm toughened glass is flushed with the both skins of partition.

– It has moisture-absorbing silica-gel granules along with the SS/GI/ALU frame to keep the glazing unit cavity moisture-free.

Standard size	: 1200 X 4500 mm
Base Detail	: Raised type base to allow flush coved finish and C-type base
Panel connection	: Friction type interlocking key for speedy erection and dismantling
Insulation	: Polyurethane foam (PUF/ PIR), paper core honeycomb and mineral wool
Surface Finish	: Glossy finish available in various colors
Coving	: Powder coated aluminium coving. Press fit fixing arrangement with aluminium backing
Sealant	: Food grade silicone sealant for minimizing air leakages

Load Bearing Ceiling

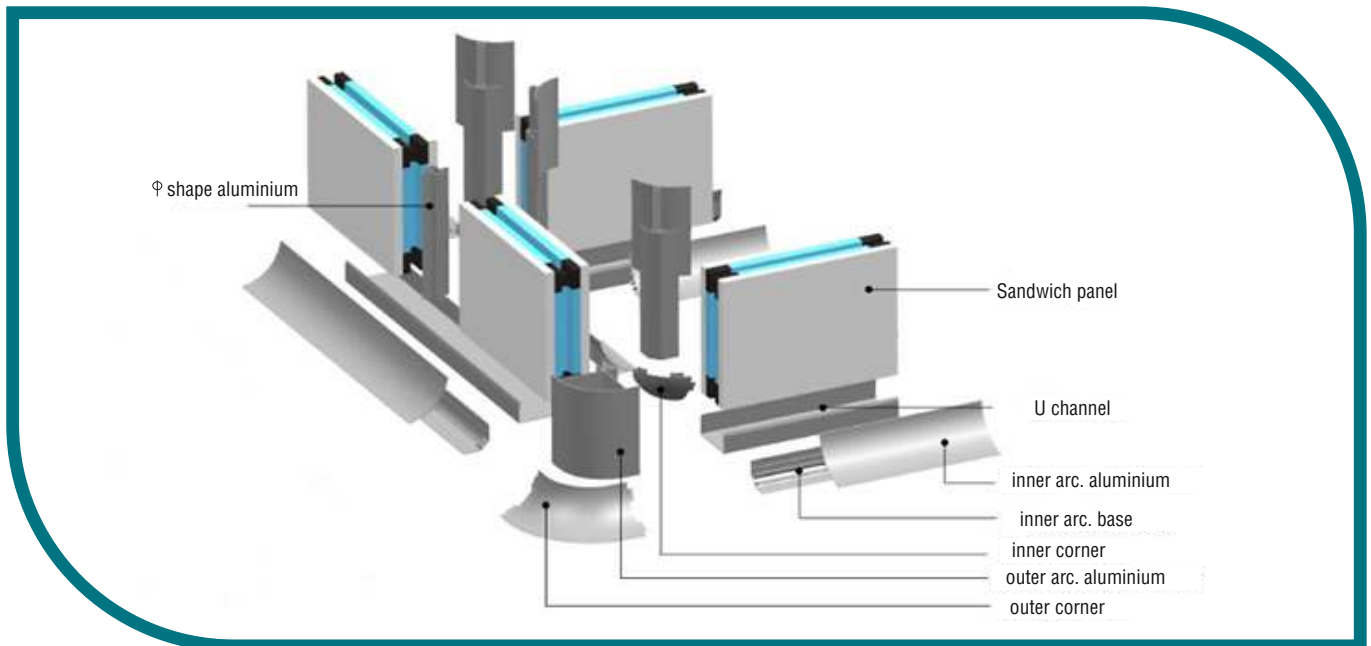


The unique design of the ceiling allows the additional in incorporating flush light fittings, air-conditioning filters, grills, diffusers and other ceiling mounted equipment, all fitted within accurately CNC punched apertures. Its unique design enables the structure to stand free of any support (box within a box) from the existing building/ structure.

Technical Specification

Technical Specification	PCGI (Powder Coated)	SS	HPL	GRP	PPGI (Pre-Painted)
Skin	0.6/ 0.8/ 1.0 mm	0.8/ 1.0 mm	3.0/ 4.0 mm	4.0 mm	0.6 mm
Structural Frame Work	GI	GI	Aluminium	GRP in wall Aluminium in celing	GI
Insulation	PUF/ PIR/ Rockwool/ Papercore	PUF/ PIR/ Rockwool/ Papercore	PUF/ PIR/ Rockwool/ Papercore	Nil	PUF/ PIR
Connecting Profile	AL/ GI	AL/ GI	AL	GI	AL
Base Profile	GI Raised Floor Track U Type	SS/ GI Raised Floor Track U Type	GI Raised Floor Track U Type	GRP	GI (U Type)
Sealant	Silicon Sealant	Silicon Sealant	Silicon Sealant	Silicon Sealant	Silicon Sealant
Panel Width	1120 mm	1120 mm	1200 mm	961 mm	1000 mm
Panel Height (Maximum)	6000 mm	6000 mm	4500 mm	4500 mm	3000 mm
Panel Thickness	80/100/160 mm	80/100/160 mm	80/100/160 mm	80/100/160 mm	80/100/160 mm
Power Coating Thickness	60-80 Micron	NA	NA	NA	25-30 Micron
Finish	Matt Finish	SS Finish (Matt/ Mirror Finish)	Laminated	Matt finish	Gloss finish (40% Gloss level)
Color	As Per GMP Ral Chart	NA	As Per Shade Card	Various	9002
Coving (AL Power Coated)	R50	R50	R50	Inbuilt in Panel	R50

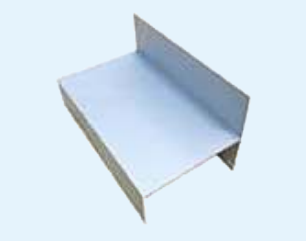
Cleanroom Panel Accessories



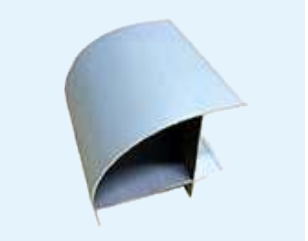
Name: Aluminium
Thickness: 1.5 mm / 2.0 mm / 2.5 mm



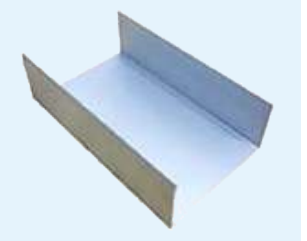
Name: Aluminium
Thickness: 0.8 mm / 1.0 mm / 1.2 mm



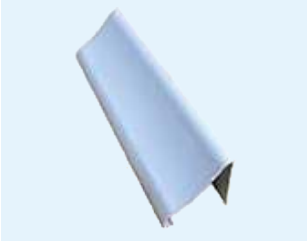
Name: Outside Cylindrical
Thickness: 0.8 mm / 1.0 mm / 1.2 mm



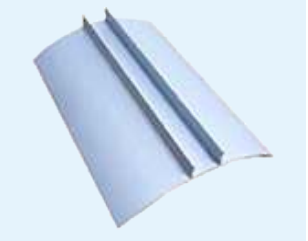
Name: Aluminium Tube
Thickness: 0.8 mm / 1.0 mm / 1.5 mm



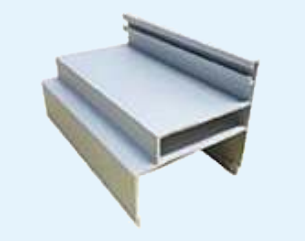
Name: Aluminium Tube
Thickness: 0.8 mm / 1.0 mm / 1.5 mm



Name: Inner Arc
Thickness: 0.8 mm / 1.0 mm



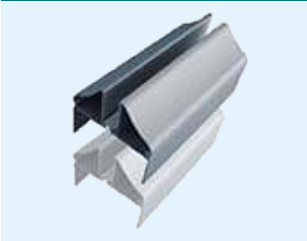
Name: Double Door Material
Thickness: 1.0 mm / 1.2 mm / 1.5 mm



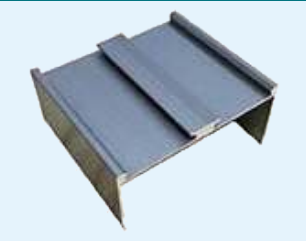
Name: Single Door Material
Thickness: 0.8 mm / 1.0 mm / 1.2 mm



Name: Window Material
Thickness: 0.8 mm / 1.0 mm / 1.5 mm



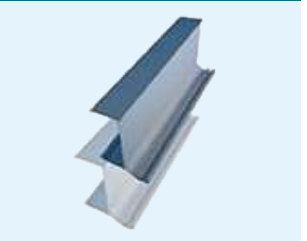
Name: Window Material
Thickness: 0.8 mm / 1.0 mm / 1.5 mm



Name: Hanging Beam
Thickness: 1.0 mm / 1.5 mm / 2.0 mm



Name: Single Door Material
Thickness: 0.8 mm / 1.0 mm / 1.2 mm



Metal Doorsets

- FIRE RATED DOOR
- CLEAN ROOM DOOR
- INDUSTRIAL DOOR
- ACOUSTIC DOOR



Doorsets are specifically tailored to critical requirements of the market with special attention to the use of galvanized/stainless steel. GMP metal doorsets are available in different configurations to achieve varying requirements of our clients. In addition to single leaf and double leaf frames with removable over panels, borrowed light and glazing can be introduced.

FIRE RATED DOOR

Fire Rated Door with fire resistance rating used as part of a passive fire protection system to reduce the spread of fire between compartments and to enable safe egress from a building or structure. GMP offers fire rated doors with fire resistant levels from 30 minutes to 2 hours all tested to BS 476 Part 22, UL10B & UL 10C.

CLEAN ROOM DOOR

Cleanroom Door is manufactured from galvanized steel/stainless steel sheets with lock formed edges. Insulated and bonded with honeycomb paper, mineral wool or polyurethane foam forming a rigid flush fittings with innovative flush double glazed finished in pure polyester coating of 60-80 microns forming smooth surface finish.

INDUSTRIAL DOOR

Heavy duty industrial metal doorsets are available in size up to 3000 mm width and 3500 mm in height. Doors are capable of accepting glazing in many configurations with air vents, louvers and a wide range of hardware. Doors are pure polyester powder coated to 60-80 microns forming a smooth surface finish.

ACOUSTIC DOOR

Acoustic Door is designed to reduced sound transmission between rooms and to provide sound privacy if any architectural environment. GMP offers acoustic door with special linings, seals and structurally bonded cores to achieve high level of sound reduction.

METALLIC FLUSH DOORS FOR CLEAN ROOM, LABS MADE OUT OF POWDER COATED GALVANIZED SHEETS OR STAINLESS STEEL



Doors for long life, pressurized rooms, security, Sensor operated and for aesthetics.

With in fill of Paper Honey Comb and enclosures of steel sheet make it not only look good but gives strength and light weight.

Ideal for industries and the places where there is frequent usage.

Unique selling points

- Being metallic in nature, we can create a air tight configuration thus perfect for clean room applications.
- Specialized PU paints are used for ever lasting and scratch resistance qualities.
- High end accessories like Door closures, Handles, Hinges, Kick plates, Tower bolts etc.
- Available in Stainless steel also for chemical applications and for corrosive environment.
- Single & Double Shutter.

APPLICATIONS :

Clean Rooms, Labs & Hospitals, Building-High Rise And General, Industries In General



SPECIFICATIONS:

Door Jamb Size : 50 mm, 60 mm, 80 mm and 100 mm Material : Gpsp/Stainless steel Sheet thickness: 1.2 mm Frame Profile : Single Rebate	Door Leaf Thickness : 46 mm Material : Gpsp/Stainless steel Sheet thickness: 0.8 mm and 1 mm Infill : Puf, Honeycomb and Rockwool
Vision Panel Size : Optional (As per client requirement.) Type : Flush double Glass (Float/Toughned)	Finish Powder Coating(60 to 70 micron) Stainless steel
Hardware Chempharm standard hardware and optional (Dorma/Stainley/Geze/IR)	Fixing Arrangement Anchor bolt, Fischer and Hex head screw
Door size Std size for single door 750 X 2100 mm 900 X 2100 mm 1000 X 2100 mm 1100 X 2100 mm Non std as per client requirement	Std size for double door 1200 X 2100 mm 1500 X 2100 mm 1800 X 2100 mm 2000 X 2100 mm 2200 X 2100 mm Non std as per client requirement

Mineral Wool



Honeycomb



PUF



Fire Rated Doors & Emergency Exit Doors

IT IS BETTER TO BE SAFE THAN SORRY

Our Fire Doors are tested as per BS 476 Part 22 and IS 3614 Part 2 for stability and integrity. They are available in an extensive range from half an hour fire rating to 2 hours fire rating.

Highly trained team from designs with most experienced manpower and with the use of high end machines brings the doors which – Keeps the security need in mind and aesthetic properties as well

OUR UNIQUE SELLING POINTS

- Fire rating up-to 2 hours
- Duly certified from reputed labs of india
- Specialized scratch resistant paint for high temperature
- Manufactured from high end steel fabrication machines using Laser/Turret/CNC bends etc.
- Smooth finish with high quality infill & fittings
- Recommended for high rise building, chemical plants, general industries, telecom & IT/Software companies for server rooms etc, electronic companies auditorium, multiplexes.
- **Optional Accessories -**
- **Anti-Panic Exit Device (Panic Bars):**
- **Externally fitted Door Closers:** Heavy duty door closers available in various makes and TYPES like fire rated and non-fire rated.
- **Vision Panel:** Available in Wired & Clear glass (Rectangular/ square)
- **Externally fitted Hardware Fittings** like Locks/Handles/Tower Bolts/Latches etc.
- **Provision for Access Control.**



TECHNICAL SPECIFICATIONS

Door Jamb

Size	: 100 mm, 125 mm and 150 mm
Material	: Gpsp/Stainless steel
Sheet thickness	: 1.5 mm
Frame Profile	: Single Rebate and Double Rebate

View Glass

Size	: 9 sqm (based on certification)
Type	: Single view Panel - Fire rated, Toughned and float glass (optional)

Hardware

Chempharm standard hardware and optional (Dorma/
Stainley /Geze/IR)

Certification

CBRI- Apply(BS 476 part 22)

Std size for double door

1200 X 2100 mm
1500 X 2100 mm
1800 X 2100 mm
2000 X 2100 mm
2200 X 2100 mm

Non std as per client requirement

Door Leaf

Thickness	: 44 mm/46 mm
Material	: Gpsp/Stainless steel
Sheet thickness	: 1mm
Infill	: Honeycomb and Rockwool

Finish

Powder Coating(60 to 70 micron)
Stainless steel

Fixing Arrangement

Anchor bolt and Hex head screw

Std size for single door

750 X 2100 mm
900 X 2100 mm
1000 X 2100 mm
1100 X 2100 mm

Non std as per client requirement

Sliding Doors For OT - Hospitals & Labs

Hermetically Sealed Sliding doors or Non Hermetically Sealed are manufactured in house for critical application

USP (Unique Selling Proposition)

- Stainless steel & Powder coated
- Door Movements/Drives are Imported
- Sealing are used as per international standard
- Duly tested after installation for leakages
- Sensor operated - Foot Sensor & Hand Sensor
- Ultra Finish in both Stainless steel as well as powder coated

SPECIFICATION:-

1. **Door panel**
Material- SS sheet or GPSP
Thickness- 0.8mm or 1 mm
2. **Jamb**
Material- SS sheet, Gpsp
Thickness- 1.2 mm
3. **Door size**
A. Single sliding doors- 800 mm to 1500 mm X 2000 mm to 2400 mm
B. Double sliding doors- 1500 mm to 2400 mm X 2000 mm to 2400 mm
4. **Finish -** SS 304 brush finish and powder coating



COLD ROOM / COLD STORAGE AND FREEZER DOOR

Such doors are made out of PCGI sheet with special fittings and thickness from 60 mm to 150 mm.

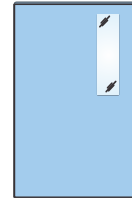
The doors are fitted with low temperature gaskets. The sizes and colors are to suit the end users



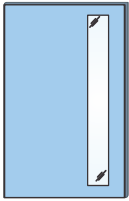
Door Design



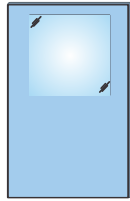
S (Solid)



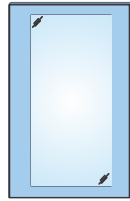
SNV (Short-Narrow Vision)



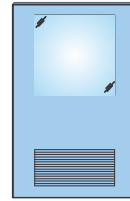
Stand View Panel



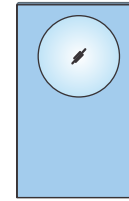
HG (Half Glass)



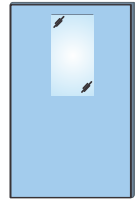
FFG (Full Face Glass)



HGL (Half Glass Louver)



CV (Circular Vision)



CR (Clear Room)

Ironmongery



DEAD LOCK



D HANDLE



HINGE



FLUSH BOLT



DOOR SEAL



DOOR CLOSER

Door Handling



LH LEFT HAND



RH RIGHT HAND



DDLA DOUBLE DOOR LEFT ACTIVE



DDLA DOUBLE DOOR RIGHT ACTIVE

Frame Profile For Brick Work



6 bends single rebate profile for fire and non-fire rated system

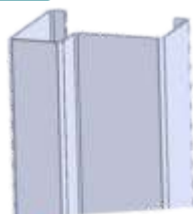


6 bends single rebate profile for Non-fire rated system

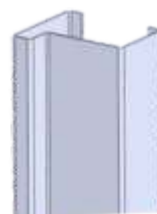


8 bends double rebate profile for fire rated and non-fire rated system

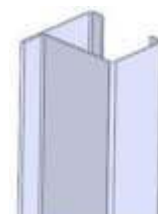
Frame Profile For Partition



80 mm Profile



60 mm Profile



50 mm Profile



PASS BOX



AIR FLOW UNIT



AIR SHOWER



MIST SHOWER

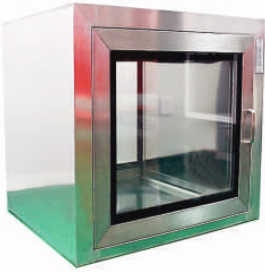


**BIO-SAFETY
CABINET**



**DISPENSING &
SAMPLING BOOTHS**

Static Pass Box



SBRG Static Pass Box is specifically designed that aids in the material transfer within same Cleanroom Classification without much personnel movement.

SPECIFICATIONS & FEATURES

- Material of Construction : SS 304 / SS 316 / SS 316 L / PCGI
- Flush Double walled Construction with Internal Coving
- Flush Doors with double walled flush glass view panels
- Electro-Magnetic Interlocking / Mechanical
- Feather touch Door Release Switch on either side

SBRG Dynamic Pass box helps in prevention of contaminants entrance either in the Cleanroom or between various classified areas.

Dynamic Pass Box

SPECIFICATIONS & FEATURES

Material of Construction	:	SS 304 / SS 316 / SS 316 L / PCGI
Air cleanliness	:	ISO Class 5 (ISO 14644-1:1999(E))
Air Velocities	:	0.45 ± 0.05 MPS OR 100 ± 20 FPM
Air Flow	:	Vertical – Re-circulatory
Power Supply	:	230V AC 1- Ø 50 HZ



Horizontal LAF



SBRG Horizontal LAF is designed for offering highest product protection by providing ISO Class 5 particle free work area for handling critical process.

SPECIFICATIONS & FEATURES

Material of Construction	:	SS 304 / SS 316 / SS 316 L / PCGI
Air cleanliness	:	ISO Class 5 (ISO 14644-1:1999 (E))
Air Velocities	:	0.45 ± 0.05 MPS OR 100 ± 20 FPM
Air Flow Direction	:	Horizontal – Re-circulatory
Power Supply	:	230V AC 1- Ø 50 HZ
Supply Filter	:	HEPA Filter - Efficiency- 99.997% down to 0.3

SBRG (RLAF) is designed for providing highest level of protection from airborne contaminants generated during powder handling operations such as sampling, charging & dispensing. RLAF provides Operator Protection & Product Protection

Reverse LAF

SPECIFICATIONS & FEATURES

Material of Construction	:	SS 304 / SS 316 / SS 316 L / PCGI
Air cleanliness	:	ISO Class 5 (ISO 14644-1:1999 (E))
Filtration Stages	:	3 Stage Filtration
Air Velocities	:	0.45 ± 0.05 MPS OR 100 ± 20 FPM
Supply & Bleed Filter	:	HEPA Filter - Efficiency- 99.997% down to 0.3 micron



Vertical LAF



SBRG Vertical LAF is designed to create areas supplied with a continuous flow of clean air to maintain a work environment that is free from dust particles, and toxic or noxious fumes.

SPECIFICATIONS & FEATURES

Material of Construction	:	SS 304 / SS 316 / SS 316 L / PCGI
Air cleanliness	:	ISO Class 5 (ISO 14644-1:1999 (E))
Air Velocities	:	0.45 ± 0.05 MPS OR 100 ± 20 FPM
Air Flow Direction	:	Vertical – Re-circulatory
Power Supply	:	230V AC 1- Ø 50 HZ
Supply Filter	:	HEPA Filter - Efficiency- 99.997% down to 0.3 micron



SBRG (MLAF) is designed for transporting sterile products under Class 100 particle free work area. The work area is supplied with positive pressure HEPA filtered air flow.

Mobile LAF Trolley



SPECIFICATIONS & FEATURES

Material of Construction	:	SS 304 / SS 316 / SS 316 L / PCGI
Air cleanliness	:	ISO Class 5 (ISO 14644-1:1999 (E))
Filtration Stages	:	2 Stage Filtration
Air Velocities	:	0.45 ± 0.05 MPS OR 100 ± 20 FPM
Power in Mobility	:	Battery back-up with inverter for 30 minutes
Supply Filter	:	HEPA Filter - Efficiency- 99.997% down to 0.3 micron

Air Shower



SBRG Air Shower is designed to supply Class 100 HEPA filtered air at high velocity to remove particulate matter from the person entering the Cleanroom.

SPECIFICATIONS & FEATURES

Material of Construction	:	SS 304 / SS 316 / SS 316 L / PCGI
Air Velocities	:	2500 to 4000 FPM
Air Flow Direction	:	Vertical + Horizontal through Jet Nozzles
Power Supply	:	230 V AC 1 Ø 50 HZ / 415 V AC 3 Ø 50 HZ
Supply Filter	:	HEPA Filter - Efficiency- 99.997% down to 0.3 micron

SBRG Mist Shower (MS) is a chamber installed at exit of Cleanroom to provide protection during de-gowning process while exiting the area.

Mist Shower



SPECIFICATIONS & FEATURES

Material of Construction	:	SS 304 / SS 316 / SS 316 L
Mist Flow Direction	:	Vertical + Horizontal through Mist Nozzles
Supply & Drain System	:	Supply & Drain system with Ultrasonic Nozzles
Control Systems	:	PLC / Micro- processor-based Controller
Flooring Type	:	Removable Stainless-Steel Flooring

Bio Safety Cabinet



SBRG (BSC) is designed to provide personnel, environmental and product protection. Air flow is drawn around the operator into the front grille, which provides personal protection.

SPECIFICATIONS & FEATURES

Material of Construction	:	SS 304 / SS 316 / SS 316 L / PCGI
Level of Safety	:	Level 1 to Level 3
Air cleanliness	:	ISO Class 5 (ISO 14644-1:1999 (E))
Air Velocities	:	0.45 ± 0.05 MPS OR 100 ± 20 FPM
Power Supply	:	230V AC 1- Ø 50 HZ
Supply & Exhaust Filter	:	HEPA Filter - Efficiency- 99.997% down to 0.3 micron

SBRG Garment Storage Cabinet (GSC) is designed to provide Class 100 particle free work area to meet garment storage needs which avoids any particulate accumulation.

Garment Cubicle



SPECIFICATIONS & FEATURES

Material of Construction	:	SS 304 / SS 316 / SS 316 L / PCGI
Air cleanliness	:	ISO Class 5 (ISO 14644-1:1999 (E))
Air Velocities	:	0.45 ± 0.05 MPS OR 100 ± 20 FPM
Air Flow Direction	:	Vertical – Re-circulatory
Supply Filter	:	HEPA Filter - Efficiency- 99.997% down to 0.3 micron

Fume Hood



SBRG Fume Hood (FH) is a type of local ventilation device that is designed to limit exposure to hazardous or toxic fumes, vapors or dusts.

SPECIFICATIONS & FEATURES

Material of Construction	:	Powder Coated MS / SS 304 / PCGI
Exhaust System	:	Exhaust Chimney with weather cowl, bends flanges.
Ducting	:	PVC / FRP duct pipe with suitable elbow
Power Supply	:	230V AC 1- Ø 50 HZ
Exhaust Filter	:	HEPA Filter - Efficiency- 99.997% down to 0.3 micron

Cleanrooms require specialized furniture that does not shed particles. You can rely on SBRG Clean Tech to supply the CLEANROOM furniture you need.

SS Furniture

SPECIFICATIONS & FEATURES

- Stainless Steel 304 Grade compatible with CLEANROOM Class 100,000 to Class 100
- Extremely smooth surface ensuring reduced particle retention

Our Cleanroom SS Furniture range includes

- Stainless Steel Tables, Chairs, Trolleys, Step Ladders, Storage Lockers, Stools,
- Stainless Steel Cross Over Benches, Garment Storage Cabinets, Working Tables.
- Stainless Steel Racks, Trays, Mopping Trolleys, Bins, Sinks etc.





Scope of Work in HVAC

- Complete HVAC High Side & Low Side works
- Hygiene AHU / Chillers
- Ducting as per SMACNA Standards
- Indoor Air Quality Control
- Humidity & Temperature Control & Monitoring
- Humidification & De-Humidification
- Ventilation Works
- Supply all Air Handling Unit



Plot No-104, Industrial Estate, Halol-2, Gujarat, India

Contact us: +91 8378998344 | +91 9691171225

Email: info@sbrgcleantech.in | regulatory@sbrgcleantech.in

OUR BRANCHES

FARIDABAD OFFICE
13, NIT, Industrial Area,
Faridabad-121001, Haryana, India

CORPORATE OFFICE
Plot No 30 Sector 33 Near Hero Honda
Factory Gurgaon- 122001(Haryana) India

DELHI HEAD OFFICE
2nd Floor, C-64, Lajpat Nagar-1,
New Delhi-110024, India

www.sbrgcleantech.com