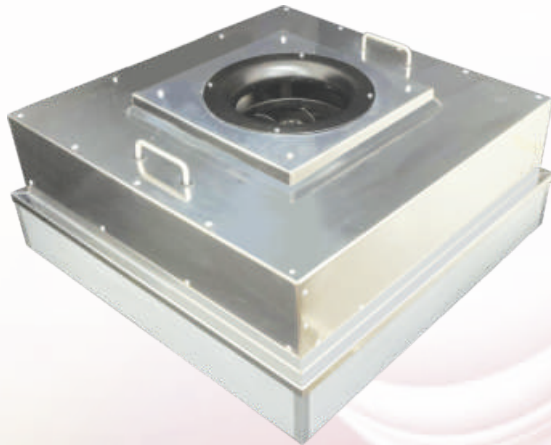




DYNA

Integrity | Intelligence | Innovation



AIR SHOWER

- Air Shower
- Walk Through Air Shower
- Mist Shower
- Water Shower
- Garment Storage Cabinet
- Fan Filter Unit



Air Shower

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

FEATURES

Upto Class 100 work area

Work area can be designed upto 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 very less area with 100% air recirculation

Adjustable SS Nozzles

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

Zero Grey Area Designs Available

Push Button

Push Buttons to control easy operation of the unit

Digital Differential Pressure Gauge with alarm (Optional)

It indicates the filter life and alarm is raised when choked

User Friendly Control System

Unit can be run using single clicks

Energy Efficient LED lights

400 Lux glow in the area ensures good visibility consuming lesser power

Door Interlocks

Electromagnetic interlocking doors minimize contamination

Sliding Doors (Optional)

Ease of operation by providing manual/ automatic doors

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: SS316)
Main Filter	Minipleat 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)	75 \pm 2
Lighting (Lux)	>500

Model	Air Cleanliness	Interior Dimensions (WxDxH)	Exterior Dimensions (WxDxH)	Power Supply
DAS 1	Class 100	800 x 940 x 2050 mm	1500 x 1000 x 2150 mm	Single phase or Three phase
DAS 2		800 x 1940 x 2050 mm	1500 x 2000 x 2150 mm	
DAS 4		1500 x 1940 x 2050 mm	2400 x 2000 x 2150 mm	
DAS 6		1500 x 2940 x 2050 mm	2400 x 3000 x 2150 mm	



Walk through Air Shower

Dyna walk through Air Showers are designed for real time particulate free entry of operators in high traffic production areas.

FEATURES

Class 10000 work area

Work area can be designed upto class 10000 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 with 100% air recirculation

Adjustable SS Nozzles

Air nozzles on top and sides with high air velocity to avoid grey areas Rigid base with perforations for Walking

Push Button

Push Buttons to control easy operation of the unit

Digital Differential Pressure Gauge with alarm (Optional)

It indicates the filter life and alarm is raised when choked

User Friendly Control System

Unit can be run using single clicks

Energy Efficient LED lights

400 Lux glow in the area ensures good visibility consuming lesser power

SPECIFICATIONS

Air Cleanliness	Class 100
Material of Construction	GI Powder Coated or Stainless Steel 304 (Optional: SS316)
Main Filter	Minipleat 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)	75 \pm 2
Lighting (Lux)	>500



Door Interlocks

Electromagnetic interlocking doors minimize contamination

Sliding Doors (Optional)

Ease of operations by providing manual/ automatic doors

Smart Control System

Operating modes can be programmed in the field as per requirement

Model : Sizes and the Layout of the Air Shower tunnel design will be based on the process time and the available space



Mist Showers

Dyna Mist Showers are designed for quickly and effectively removing of particles so that they will not be carried out of the cleanroom. Mist decontamination system is used for deactivating contaminants on operator's garments or causing contaminant to adhere to the garments so that they are not easily liberated in free environment.



FEATURES

Compact Design

The entire unit is designed in very less area

Push Button

Push Buttons to control easy operation of the unit

User Friendly Control System

Unit can be run in single clicks

Energy Efficient LED lights

400 Lux glow in the area ensures good visibility consuming lesser power

Door Interlocks

Electromagnetic interlocking doors minimize contamination

Sliding Doors (Optional)

Ease of operations by providing manual/ automatic doors

Smart Control System

Operating modes can be programmed in the field as per requirement

SPECIFICATIONS

Material of Construction	Stainless Steel 304 (Optional: SS316)
Compressed Air	6 Bar
Lighting (Lux)	>400

Model	Interior Dimensions (WxDxH)	Exterior Dimensions (WxDxH)	Power Supply
DMS 1	750 x 940 x 1800 mm	1150 x 1000 x 2000 mm	Single phase or Three phase
DMS 2	750 x 1940 x 1800 mm	1150 x 2000 x 2000 mm	
DMS 4	1400 x 1940 x 1800 mm	1800 x 2000 x 2000 mm	
DMS 6	1400 x 2940 x 1800 mm	1800 x 3000 x 2000 mm	



Water Showers

Dyna Water Showers are designed for quickly and effectively removing of particles so that they will not be carried out of the cleanroom. Water decontamination system is used for deactivating contaminants on operator's garments or causing contaminant to adhere to the garments so that they are not easily liberated in free environment.

FEATURES

Compact Design

The entire unit is designed in very less area

Push Button

Push Buttons to control easy operation of the unit

User Friendly Control System

Unit can be run using single clicks

Energy Efficient LED lights

400 Lux glow in the area ensures good visibility consuming lesser power

Door Interlocks

Electromagnetic interlocking doors minimize contamination

Sliding Doors

Ease of operations by providing

Smart Control System

Operating modes can be programmed in the field as per requirement



SPECIFICATIONS

Material of Construction	Stainless Steel 304 (Optional: SS316)
Water Supply	Continuous Water Supply @ 3 Bar
Compressed Air	6 Bar
Lighting (Lux)	>400

Model	Interior Dimensions (WxDxH)	Exterior Dimensions (WxDxH)	Power Supply
DMS 1	750 x 940 x 1800 mm	1150 x 1000 x 2000 mm	Single phase or Three phase
DMS 2	750 x 1940 x 1800 mm	1150 x 2000 x 2000 mm	
DMS 4	1400 x 1940 x 1800 mm	1800 x 2000 x 2000 mm	
DMS 6	1400 x 2940 x 1800 mm	1800 x 3000 x 2000 mm	



Garment Storage Cabinet

Dyna Garment Storage Cabinets are designed to provide the ultimate solution for garments storage needs while maintaining the cleanliness of controlled cleanroom environment. Dyna Garment Storage Cabinets provide highest degree of safety for both the personnel and the products

FEATURES

Class 100 work area

- Class 100 work area as per ISO 14644

Two Stage Filtration

- Equipped with H14 filter (with optional grill) 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

To place garments

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 choked

SPECIFICATIONS

Air Cleanliness	Class 100
Material of Construction	GI Powder Coated or Stainless steel 304 (Optional: SS 316)
Main Filter	Minipleat HEPA, Class: H14
Pre Filter	Pre Filter, Class: F7
Filter Efficiency	HEPA 99.997% at 0.3 μ m Pre Filter 95% at 5 μ m
Noise (dB)	67 \pm 2
Lighting (Lux)	>500

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



User Friendly Control System

Unit can be run in single clicks

Energy Efficient LED lights

500 Lux glow in the area ensures good visibility

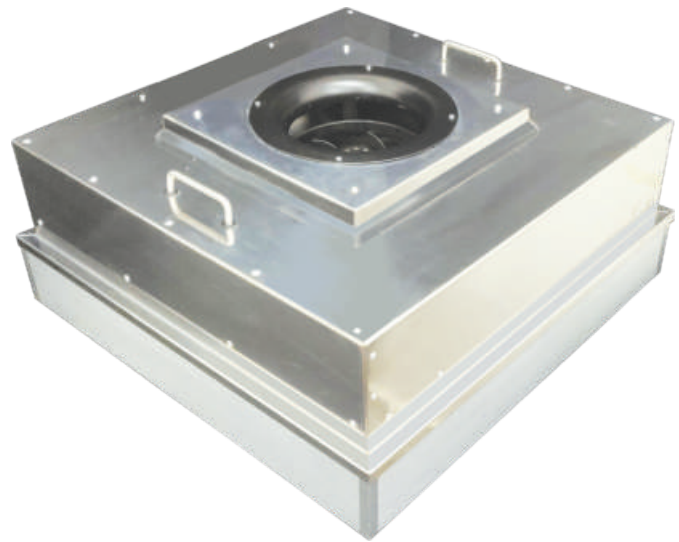
UV light with Hour meter

UV light to kill germs and bacteria along with its life indicator for timely replacements



Fan Filter Unit

Dyna Fan Filter Unit provides highest levels of cleanliness for environments such as clean rooms, laboratories and microprocessor assembly areas. Dyna Fan Filter Units combine lower power consumption, quiet operation and space saving design to meet a variety of applications.



FEATURES

Operation

- Quiet Operation
- Low Power Consumption
- Walkable plenum
- EC Fans for controlled air flow

Filtration System

- Equipped with H14 HEPA filter
- Optional ULPA

Design

- Compact space saving design
- Infinitely variable speed control
- Easy installation & portable
- Wide variety of sizes & configuration

SPECIFICATIONS

Air Cleanliness	Class 100
Material of Construction	GI Powder Coated or Stainless steel 304 (Optional: SS 316)
Main Filter	Minipleat HEPA, Class: H14
Pre Filter	Pre Filter, Class: F7
Filter Efficiency	HEPA 99.997% at 0.3 μm Pre Filter 95% at 5 μm
Noise (dB)	67 \pm 2

Model	Air Cleanliness	Dimensions (WxDxH)	Power Supply
FFU 2*2	Class 100	610*610*430 mm	220-240 V, 50 Hz
FFU 3*2		1015*610*430 mm	
FFU 4*2		1220*610*430 mm	





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