Garment Storage Cabinet Brochure

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Introduction

Kaizen Airtech garment storage cabinets have the highest degree of safety for both the users and for the product. Kaizen provides premium solution to maintain cleanliness of your controlled cleanroom environment. All models are fabricated of stainless steel or pre-coated GI sheet metal is available with overhead HEPA filter that shower particle free air to dislodge and wash away contaminants. Kaizen Aristech garment storage cabinets are available in the following configuration.

Key Benefits:

1. Disposable pre-filter
2. Reliable locker switch
3. Magnehelic Pressure gauge
4. Energy efficient

Features:

1. Two stage filtrations Equipped with motor blower and miniplate HEPA filter module maintains vertical flow of particle free air to prevent dust build up.
2. Reliable rocker switches operate the fan and light & Digital Magnehelic pressure gauge monitors cabinet operations.
3. Powder coat inhibits microbial growth on external surface prevents contamination and improves safety
4. The full body is constructed of SS 304 with satin finish which is maximum chemical resistance.
5. All cabinet component are clean room compatible isocide eliminates 99.9 % of surface bacteria within 24 hours of exposure
6. U.V Light with Hour Meter
7. Interlocking arrangement to put-off U.V. Light if either door opens
8. Heater with thermostat DOP Test Port
9. 5/15 Amp Switch Socket for external equipment

Models:

Model No	Type	Blower/ HEPA	Airflow Velocity (Downflow)	Dimensions (mm)	Storage Capacity
KGCHS1	Hanger/Shelves with Divider	HEPA Blower	0.45(m/s) / 90(fpm)	1016 X 787 X 2388	Min 10 Pairs
KGCHS2	Hanger/Shelves with Divider	HEPA Blower	0.45(m/s) / 90(fpm)	1321 X 787 X 2388	Min 10 Pairs
KGCS1	Shelves	HEPA Blower	0.45(m/s) / 90(fpm)	1016 X 787 X 2388	Min 10 Pairs
KGCS2	Shelves	No HEPA Blower	Nil	1321 X 787 X 2388	Min 10 Pairs
KGCH1	Hanger	HEPA Blower	0.45(m/s) / 90(fpm)	1340 x 740 x 2440	Min 10 Pairs
KGCH2	Hanger	No HEPA Blower	Nil	1950 x 740 x 2240	Min 10 Pairs

The Highest Quality Cabinet Construction

All Kaizen products are manufactured for the most demanding cleanroom applications.

- Reliable rocker switches operate the fan and lights and a MinihelicTM pressure gauge monitors cabinet operation.
- The reliable lighting system is zero-flicker and instant start.
- The main body of the cabinet is constructed of industrial-grade electrogalvanized steel.
- The cabinet is mobile on casters and may be fixed in place via the built-in leveling feet.
- All cabinet components are cleanroom compatible. Isocide eliminates 99.9% of surface bacteria within 24 hours of exposure.

DETAILS & DESIGN

- Materials: Powder-coated steel chamber; static dissipative PVC doors, and stainless steel vertical supports for shelves
- Spring-loaded hinges
- Nonlocking handles
- Blower specifications: 220VAC, 60Hz, 4.8 amp. Fan delivers 587 CFM (998 m^3/hr) at 0"SP - filter(s) reduce flow
- Includes operation status indicate that glows to show the unit is in operation
- The built-in variable-speed blower is mounted above a HEPA to provide a vertical laminar flow of clean air through the storage area, Noise level up to 65 dB.
- Clear static-dissipative polycarbonate access doors 4 mm thick with SS frame with feature self-closing hinges
- Sloping top minimizes particle retention, offers minimal air disruption in gowning rooms with ceiling filter/blowers
- Perforated bottom shelf allows for laminar airflow can be used for shoes, with dust collector tray.
- Storage area includes stainless steel vertical supports to allow easy shelf height adjustment
- UV lamp for sterilization and infrared light for maintain ambient temperature.

Enhanced Filtration System

The enhanced filtration system on the garment storage cabinet is designed to provide the highest level of air quality within the work zone, meeting all relevant standards (see Technical Specifications for details).

- Kaizen laminar flow cabinets provide ISO Class 3 air cleanliness within the work zone as per ISO 14644.1, 100 times cleaner than the usual Class 5 classification on cabinets offered by the competition.
- 10-micron 90 % efficiency pre filter, non-woven synthetic polyester fiber medium, both sides should be reinforced with fine HDPE mesh. The filter medium deeply folded & comb formed within a PU coated GI frame.
- High quality HEPA filters utilizing an improved mini-pleated separation technique to maximize surface area, improve efficiency and extend the filter life. Filters operate at a typical efficiency of >99.997% at 0.3 micron sizes, providing superior product protection over conventional HEPA filters.

These are designed to store and organize clothing items such as garments, hairnets, gloves etc. The overall sizes can be adjusted to requirement with customizable shelving available. The cabinet also features adjustable legs and skirting can be provided.

The cabinets can be easily cleaned with minimal crevices throughout the design and are virtually maintenance free.

Features

- Grade 304L/316L Stainless Steel
- Satin finish 320 grit polished
- No dirt traps
- Customs sizes available
- Sloped top optional