

Filtering Storage Cabinets



Storing reagents in this filtering storage cabinet ensures clean lab environment for users.

Feel free to install the cabinet anywhere without any concern of your existing exhaust system. Conveniently place and remove the reagents with the full-extension sliding drawers. Air purification inside the cabinet prevents heating and cooling loss caused by ducted air exhaust systems.



REMOTE CONTROL
with your **MOBILE DEVICE**
see page 8-9



FSC-280 / FSC-140

Standard accessories
see page 44

- Pre filter, LED lamp
- Slide drawers (5ea for FSC-140, 10ea for FSC-280)
- Spill tray (1ea for FSC-140, 2ea for FSC-280)
- Door key

Reliable filter efficiency

- Filtering efficiency of complex carbon filter is proved by 3rd independent institute which describes specification for the gas removal and deodorization efficiency. ; Tested by NH₃, CH₃CHO, CH₃COOH, HCl, NO₂.

Cost-effective filtering system

Energy efficient and space saving filtering system.

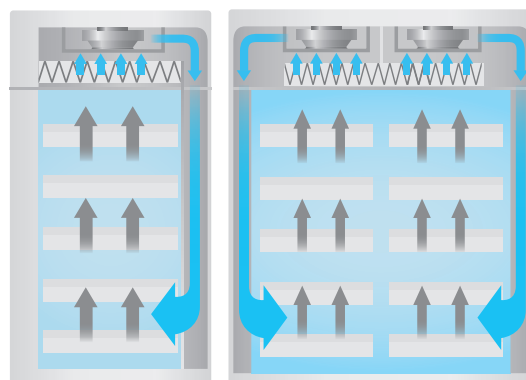
- Flexible installation of the cabinet is possible and cost-intensive exhaust air ducts are no longer necessary.
- Air circulation inside the cabinet prevents heating and cooling loss due to the exhaust air, which causes high energy consumption.

Customized filter configuration.

- ISO class 4 (US class 10) HEPA filter for optimal protection against cross-contamination. (optional)
- 0.3 μm and larger particulates are removed with 99.99% efficiency, leak-tight HEPA filter which satisfying class 10. (US Federal Standard 209E) (average life span of HEPA filter: 3 years– it depends on the test room conditions) (optional)
- High-quality polyester fiber pre-filter (with minimal pressure loss and 85% arrestant on the A.F.I. test) for trapping larger particles and increasing the life of the main HEPA filter.
- Convenient filter saturation check and easy filter replacement by an intelligent front cover design.
- Various filters installable at once. Pre filter is built in as standard offer. Maximum two other optional filters are installable.

Multi-functional operation

- User-friendly functions.
 - Auto run on/off; In case of power failure, the unit starts automatically when the unit gets the power back.
 - Set each function's value to best suit the users.
- Safety warning alarms with LED indicators.
 - High temp. alarm with automatic fan stop.
 - Fan fail alarm for abnormal fan stop.
 - Door open alarm to protect users and clean environment.
- Economical and ecofriendly sleep mode.
 - You can set the operating time from 8am to 6pm if your official working hour is from 9am to 6pm. It saves 60% of energy consumption and extends the life span of the fan and filter.
- VOC level indication.
 - Clear and symbolic VOC level bar indicates VOC measurement of the inner cabinet.
 - Real time detecting and displaying are available with VOC sensor inside the cabinet.
- RS-232 interface for external control and data collection.



Smooth full-extension sliding drawer



Light-adjustable LED lamp



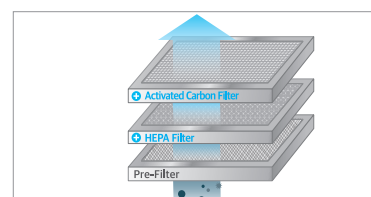
Spill tray for easy maintenance



Lockable casters for safe installation and easy transport



Built-in door lock for safe sample storage

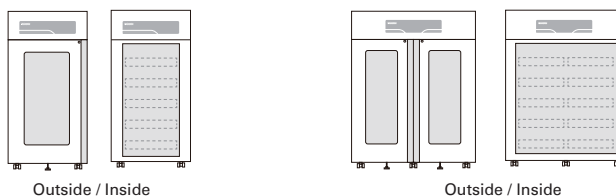


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Convenient and safe storage

- Door and drawer tested in accordance with SEFA.
 - It is designed and tested in accordance with SEFA for door hinge test and drawer static load test. The international standard guarantees users the quality and longer use of every unit. In addition, we autonomously conducted the overturning test for more safety.
 - Max. 40kg heavy load sustainable inner chamber and drawers. Imagine that just one drawer can dramatically sustain a ten-year-old boy.
- Chemical resistant epoxy coated steel and transparent tempered glass door.
 - Corrosion resistant epoxy coated steel for storage of toxic chemical samples.
- All parts of the unit are durably constructed of epoxy coated steel for prevention of corrosion.
 - Tempered glass door with LED lamps provides clear observation of stored samples.
 - Well designed full length handle let you feel totally relaxed by opening the door at any height.
- Wide inner space use.
 - Wide inner space use with the provided extremely smooth full-extension sliding drawers.
 - Spill tray and door lock key for clean and safe sample storage.



Model		FSC-140	FSC-280
Internal volume (L / cu ft)		604 / 21.3	1317 / 46.5
Capacity ¹⁾ (L / gal , 1L Bottle *ea)		140	280
Airflow rate (m ³ /min, CMM)		0.67	1.34
Pre-filter		Polyester fibers with filter efficiency of 85% (A-F-ITEST)	
No. of drawer shelf, Slide (included / max.)		5 / 10	10 / 20
Max. load per shelf (kg / lbs)		40 / 88.2	
Materials	Main body	Epoxy powder coated steel, Glass	
	Display	VFD (vacuum fluorescent display)	
	Lamp	LED	
Noise level (dB)		< 50	< 55
Dimension (WxDxH)	Internal (mm / inch)	795x578x1315 / 31.3x22.8x51.8	1733x578x1315 / 68.2x22.8x51.8
	External (mm / inch)	930x636x1890 / 36.6x25.0x74.4	1868x636x1890 / 73.5x25.0x74.4
	Drawer (mm / inch)	613x478x109 / 24.1x18.8x4.3	613x478x109 / 24.1x18.8x4.3
	Spill tray (mm / inch)	670x526x34 / 26.4x20.7x1.3	670x526x34 / 26.4x20.7x1.3
	Net weight (kg / lbs)	300 / 661.4	495 / 1091.3
Electrical requirements (230V)		60Hz, 0.5A	50Hz, 0.5A
Cat. No.		AAHF1121K	AAHF1122K
Electrical requirements (120V)		60Hz, 1.0A	
Cat. No.		AAHF1123U	
		60Hz, 2.0A	
Cat. No.		AAHF1133U	

1) Basic condition for above capacity is when five drawers are built in.

* Permissible environmental conditions: temperature (5-40°C) and relative humidity (up to 80%). * FDA establishment registered company. FDA listed products.

Accessories & Options

Cat. No.	Description	Application
FSC0079	Pre filter	Larger particles and increasing the life of main filter
FSC0001	HEPA filter	Biohazardous aerosols and other visible and non-visible particles (filtration efficiency: 99.99% at 0.3 microns)
AAAF1537	Complex carbon filter (VOC + NH ₃ + Acid)	Volatile organic compounds (VOC), Ammonia, Acidic solvents ¹⁾ (MA), Alkaline solvents (MB)
AAAF1539	Acid carbon filter ¹⁾	An acidic solvent ; Acetic acid, etc
AAAF1541	Formaldehyde carbon filter	Formadehyde applications
AAAF1542	Ammonia / Amines carbon filter	Ammonia/Amines by chemisorptions

1) Please do not use high percentage of reactive acid such as perchloric acid.

* Each filter should be ordered two for FSC-280.

* Maximum installable filter quantity: 2 ea for FSC-140, 4 ea for FSC-280.



Gateway

Establish Jeio Tech Network by Gateway.

No computer use is required at all.

Cat. No.	Description
AAAQ1011	Gateway (2.4GHz, 100-240V, 50/60Hz)

Cat. No.	Description
AAAB2531	Gas detector (KITAGAWA AP-20)
AAAB1550	Gas detecting tube (Benzene, GASTEC-121SP (0.5-10ppm))
AAAB1551	Gas detecting tube (Toluene, GASTEC-122L (1-100ppm))
AAAB1552	Gas detecting tube (Acetic acid, GASTEC-81L (0.125-25ppm))
AAAB1553	Gas detecting tube (Chloroform, GASTEC-137 (4-400ppm))
AAAB1554	Gas detecting tube (Formaldehyde, GASTEC-91LL (0.05-1ppm))
AAAB1555	Gas detecting tube (Ammonia, GASTEC-3L (0.5-60ppm))