

Filtering Storage Cabinet

The internal carbon filter removes harmful gas in the reagent cabinet to protect the experimenter

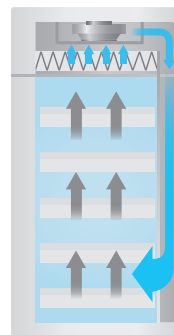


FSC-140

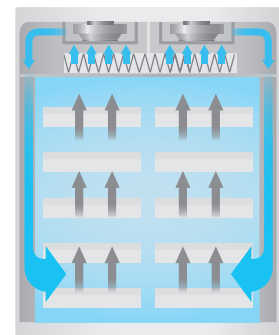
with Drawer Shelves 5ea (standard)

Completed hazardous gas removal capability/capacity verification and door durability test.

- Ability to remove harmful gases / Capacity Test. (SPS-KACA 002-132)
Completed verification of high-efficiency hazardous gas rates.
Apply composite carbon filter. (VOC, acid, base)
- Door durability test. (KS G 2020 specification)
40,000 open/close test verification completed.



FSC-140



FSC-280



Easy to use as a drawer-type shelf
Drawer-type shelf for convenient handling of inner samples installed as standard.



Brightness control LED lamp
Easy to observe the inside with LED lamp, and possible to adjust the brightness to 5 levels.



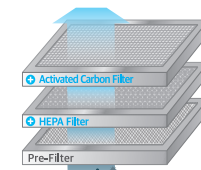
Safe with effluent storage container
Safe handling in the event of stored material leakage and prevention of leakage out of the reagent cabinet.



Structure convenient for moving and installation
Structure allows it to be moved and fixed and it can be also safely installed horizontally.



Key lock device
Key lock is provided as standard to block unauthorized access.



Possible to two filters installed at the same time
Two filters can be installed at the same time, except the pre-filter provided as standard.



Suitable for Storing Sealed Reagents

- **No external exhaust system connection required**
A filter is installed inside the cabinet to remove harmful gas using internal air circulation.
- **Air-conditioning energy reduction**
It is a closed structure that does not allow the inside air to be discharged through the exhaust device, thus saving energy used for indoor cooling/heating.
- **Efficient fan speed control**
Convenient 0~5 step fan speed control function increases filter life and minimizes energy consumption.
- **Turbo mode for pleasant use**
In order to minimize exposure to harmful gas, the fan speed is temporarily maximized when opening the door.

Outstanding Safety

- **Internal temperature rise warning**
High temperature warning alarm function in case of temperature rise inside the reagent.
- **Air circulation detection and warning**
Notification of internal air flow abnormality with detection of fan operation.
- **Sturdy epoxy powder coating**
Excellent chemical and corrosion resistance and durability even for long-term use.
- **External sensor connection possible**
Can be connected with external sensor (option) so that alarm is generated when the set limit is exceeded.



Gather information at a glance

Various Functions Convenient for Management

- **Efficient use with sleep mode**
Operates only at the set time (for example, working time period) to save energy and extend the filter life.
- **Displays various information**
Displays useful information such as VOC, temperature, humidity, filter check notification, etc. in real time.
- **Filter configuration customizable for application**
Various custom filter configurations supported depending on the chemical nature of the reagents to be stored.
(see page 220 for details)
- **Structure allows for convenient filter management**
It is very convenient to check filter saturation and replace by opening the front part of the reagent cabinet.
- **Check filter saturation with Gas Detector**
Saturation of the complex carbon filter is easily checked using dedicated gas detector. (option)
- **Filter check notification function**
Filter maintenance notification function of 1-24 month cycle makes it easy to manage the filter according to the usage environment.
- **Filter history management function**
Supports efficient filter management by saving filter usage time and checking history.
- **Recording system for filter management**
Records the filter check time, material name and concentration value in the controller.

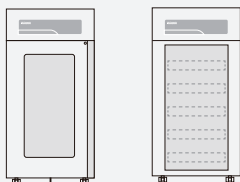
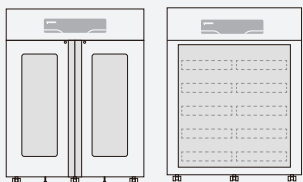


Simple replacement



Checking filter saturation

Specification

Model		FSC-140	FSC-280
Internal volume (L / cu ft)		604 / 21.3	1317 / 46.5
Capacity (L or quantity of 1 L bottle)		140	280
Airflow rate (m³/min)		0.67	1.34
Noise level (dB)		< 50	< 55
Safety	Warning / Alarm	High Temperature, Door Open, Fan Fail, Sensor Error Check Filter, External Input Error	
	Protection	Over Temperature Protection, Over Current Protection	
Dimensions	External (W x D x H, mm / inch)	930 x 636 x 1890 / 36.6 x 24.8 x 74.4	1868 x 636 x 1890 / 73.5 x 24.8 x 74.4
	Internal (W x D x H, mm / inch)	795 x 578 x 1315 / 31.3 x 22.8 x 51.8	1733 x 578 x 1315 / 68.2 x 22.8 x 51.8
	Drawer (W x D x H, mm / inch)	613 x 478 x 109 / 24.1 x 18.8 x 4.3	613 x 478 x 109 / 24.1 x 18.8 x 4.3
	Spill tray (W x D x H, mm / inch)	670 x 526 x 34 (1ea) / 26.4 x 20.7 x 1.3 (1ea)	670 x 526 x 34 (2ea) / 26.4 x 20.7 x 1.3 (2ea)
Weight (kg / lbs)		300 / 661.4	495 / 1091.3
Quantity of drawer (standard / max.)		5 / 10	10 / 20
Max. load capacity per drawer (L or quantity of 1 L bottle)		28	28
Max. load per drawer (kg / lbs)		40 / 88.2	40 / 88.2
Electrical requirements (230V)		50/60Hz, 0.5A	50/60Hz, 1.0A
Cat. No		AAHF1122K	AAHF1132K
Electrical requirements (120V)		60Hz, 1.0A	60Hz, 2.0A
Cat. No		AAHF1123U	AAHF1133U
		 Product appearance Product interior	 Product appearance Product interior

Accessories

Jeio Tech's Filter Series

- The Jeio Tech's carbon filter is an excellent amorphous adsorbent with a high surface area, has fine pores and is manufactured through a multi-level impregnation process.
- Made of 100% impregnated filter, it is more than twice as efficient as general filters.
- Has the efficiency of an excellent composite filter as it simultaneously performs physical adsorption and chemical adsorption.



Filter	Description	Cat. No.
Complex Carbon	Filters a wide range of chemicals, including acid, ammonia, and aldehyde	AAAF1537
Acid	Filters acid gases such as HCl, HF, H ₂ S and CH ₃ COOH	AAAF1539
Formaldehyde	Filters formaldehyde, Acetic aldehyde, etc.	AAAF1541
Ammonia / Amines	Filters basic gases such as NH ₃ , (CH ₃) ₃ N etc.	AAAF1542
HEPA	Filters 99.99% of toxic dust and other 0.3µm particles	00FSC0000083

- ※ Above filter should be ordered two when you apply the FSC-280.
- ※ The appropriate filter is selected according to the chemical used.
- ※ Built-in pre-filter primarily filters particles to extend the life of the other filters.

Gas Detector & Tube & Drawer Set

- Check the condition of the Complex Carbon filter for the currently used chemical and determine the replacement time of the filter.



Item		Cat. No.
Gas Detector	KITAGAWA AP-20	AAAB2531
	Benzene, GASTEC-121SP (0.5~10 ppm)	00EAA0001550
Gas Detecting Tube	Toluene, GASTEC-122L (1~100 ppm)	00EAA0001551
	Acetic acid, GASTEC-81L (0.125~25 ppm)	00EAA0001552
	Chloroform, GASTEC-137 (4~400 ppm)	00EAA0001553
	Formaldehyde, GASTEC-91L (0.05~1 ppm)	00EAA0001554
	Ammonia, GASTEC-3L (0.5~60 ppm)	00EAA0001555
Drawer set	Drawer shelf (slide) set	AAAF1512