

CLEAN AIR FOR U

CAFU | **ROBF**

Advanced Gas Purification Solution for Labs & Industries

Custom Air Purification Solutions for Harmful Gases, Dust & Odors



History

2014

- Purchased own factory
- Established CHEONGWOO C&T

2016

- Registered a supplier at SAMSUNG iMarketKorea
- Registered a supplier at LG SERVEONE

2018

- Received a citation for a person of venture industry development merit
- Designated as Promising Environment Enterprise
- Designated as Military Service Exemption Company
- Expanded and relocated the factory
- Registered a shopping mall at Korea Online E-Procurement System

2020

- Launched ROBA brand
- Designated as a company with work-study program
- Won two awards by the Minister of SMEs and Startups

2022

- Registered a patent for a corner-type hazardous gas purifier
- Pushed ahead with business reorganization
- Got ISO 45001 certificate
- Got K-Brand certificate
- Certification of companies specializing in materials, parts, and equipment

2024

- Built Online Exhibition Platform
- Received Minister's Award (Ministry of SMEs and Startups)

2015

- Certified ISO 9001 & ISO 14001
- Established a complete charge department for R&D
- Registered a patent for hood assembly for hazardous gas purifier
- Registered a patent for hazardous gas purifier

2017

- Registered a patent for a filter inserting an arm hood
- Registered a patent for an exhaust device having a damper part
- Designated by Korea Online E-Procurement System
- Certified an excellent enterprise as compensation for employee's invention
- Certified INNO-Biz
- Re-certified Venture Enterprise

2019

- Selected as Excellent Women's Enterprise in Gyeonggi-do
- Selected as Promising Small & Medium-sized Enterprise in Gyeonggi-do
- Completed Smart Factory Setup (MES)

2021

- Be certified as a performance-sharing company
- Got Main Biz business certificate
- Won the Education Minister's Award
- Be selected as the best company of environmental job and received the Environment Minister's Award
- Completed the construction of advanced smart factory (ERP/SCM)

2023

- ROBA-04 Environment Tier 1 certification
- ROBA-04 Wadiz Funding Success

Key Certificate



Certification Agencies



Brand Story



CAFU, short for 'Clean Air for You' has been created with the meaning as "Present Clean Air to Customers" In addition, it contains CHEONGWOO Clean & Technology to conduct R&D constantly for clean environment and customers' health



The ROBA brand was created to provide a pleasant life to customers by reinterpreting lifestyles and applying industrial technology to daily life.



Table Top Toxic Gas Air Purifier

- Putting it on tables such as labs, research rooms, welding workshops etc., it efficiently purifies and discharges pollution sources.
Thanks to its compact size, it can be placed anywhere and using the flexible horse, it simply removes pollution sources.

Patent registration
No. 10-1535444



Ø77 Flexible Hose

Ø65 Hard Hose

Ø150 Dome

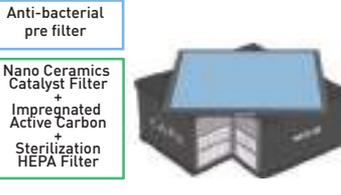
CAFU-A01

CAFU-A10

Spec.

Model Name	Spec.
CAFU-A01	300 X 300 X 425 (mm)
Material	Plate 1.2t With Epoxy Powder Coated
Noise	≤65dB
Air Speed	9m/s, 490CMH
Output	70W
Rated	220V, 50/60Hz
Weight	14kg

Model Name	Spec.
CAFU-A10	275 X 215 X 310 (mm)
Material	Plate 1.0t With Epoxy Powder Coated
Noise	≤60dB
Air Speed	8m/s, 300CMH
Output	100W
Rated	12V 5A
Weight	8kg



Anti-bacterial pre filter
Nano Ceramics Catalyst Filter + Impregnated Active Carbon
Sterilization HEPA Filter

Purification and Sterilization of Contamination Source. Perfect Filter Combination

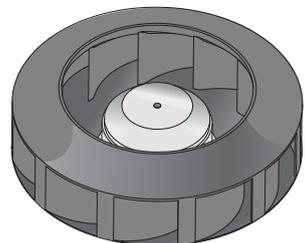


Efficient Space Utilization with Compact Size

Current filter status can be checked



Filter Replacement Indicator



Power Consumption Reduced with BLDC Motor



Φ150(PP), Φ250(PP·PC), Φ350(PP) Dome Selection (CAFU-A01 only)

Moving table (mm)



Additional Purchase

Photos of installation



Hospital

operating room



Welding training room in a college



Toxic Gas Air Purifier – Workbench/Wall-Mounted Type

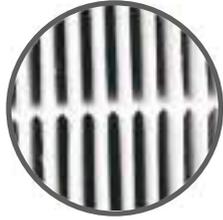
- This Toxic Gas Air Purifier is used in labs, research facilities, and soldering stations. It mounts on workbenches or walls to remove and safely discharge localized pollutants.



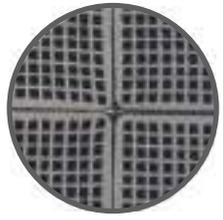
제품사양

Model Name	Size
CAFU-B01	370 X 300 X 400 (mm)
Material	Plate 1.0t With Epoxy Powder Coated
Noise	≤65dB
Air Speed	12m/s, 800CMH
Output	130W
Rated	220V, 50/60Hz
Weight	14.5kg

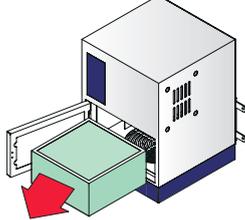
	Main Unit	Main Unit + Workbench
Model Name	CAFU-A10-01	CAFU-A10-02
Size (mm)	270 X 227 X 400	1006 X 653 X 1410
Material	Plate 1.2t With Epoxy Powder Coated	
Noise	≤60dB	
Air Speed	9m/s, 300CMH	
Output	100W	
Rated	12V 5A	
Weight	10kg	70kg



Perform sterilization and removal of fine dust using a sterilizing HEPA filter



A carbon filter made by a ceramic method has maximized its efficiency superior to the impregnated active carbon filter



Easy & simple to replace a filter



Filter Replacement Indicator

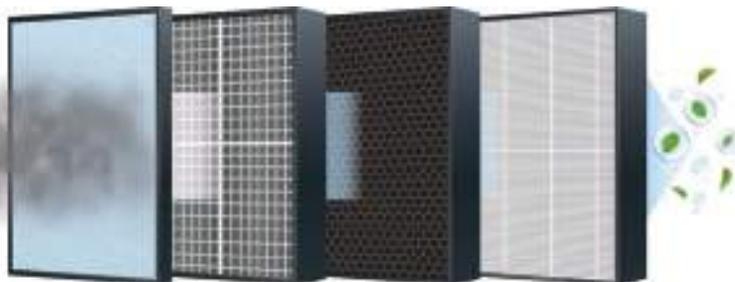


Power Consumption Reduced with BLDC Motor



Filter replacement period setting is available

Structure of filters



- | | | | |
|---|--|---|--|
| <p>Antibacterial PRE filter</p> <p>Phase 1
Remove dust over 10µm & control mold growth</p> | <p>Ceramic Honeycomb filter</p> <p>Phase 2
Remove VOCs, bad smell</p> | <p>Impregnated active carbon Filter</p> <p>Phase 3</p> | <p>Sterilizing HEPA filter</p> <p>Phase 4
Remove 0.3µm particle over 99.95%</p> |
|---|--|---|--|

Photos of installation



CAFU-B01

CAFU-A10-01



Portable Toxic Gas Air Purifier

- Moving it to your desired position, it efficiently purifies and discharges pollution sources occurred in hospital, research rooms, laboratories, welding workshops etc. It can be placed anywhere and moved freely to a position for suction.



CAFU-A02 (Flexible Hose type)

CAFU-A02 (ARM HOOD type)

CAFU-A12 (Small type)

Spec.

Model Name	Spec.
CAFU-A02 (Flexible Hose type)	390 X 390 X 705 (mm) (Ø77X 1000)
Material	Plate 1.2t with Epoxy Powder Coated
Noise	≤65dB
Air Speed	12m/s, 1500CMH
Output	160W
Rated	220V, 50/60Hz
Weight	26kg

Model Name	Spec.
CAFU-A02 (ARM HOOD type)	390 X 390 X 710 (mm) (Ø80X 1300)
Material	Plate 1.2t with Epoxy Powder Coated
Noise	≤55dB
Air Speed	12m/s, 1500CMH
Output	160W
Rated	220V, 50/60Hz
Weight	26kg

Model Name	Spec.
CAFU-A12 (Small type)	330 X 300 X 550 (mm) (Ø50X 1000)
Material	Plate 1.0t with Epoxy Powder Coated
Noise	≤65dB
Air Speed	12m/s, 490CMH
Output	70W
Rated	220V, 50/60Hz
Weight	16kg

Anti-bacterial pre filter
Nano Ceramics Catalyst Filter
+
Impregnated Active Carbon
+
Sterilization HEPA Filter

Purification and Sterilization of Contamination Source. Perfect Filter Combination

Easy & simple to replace a filter

Current filter status can be checked

Filter Replacement Indicator

Power Consumption Reduced with BLDC Motor

Simply you can move it where you want

Selection of Domes

Flexible Hose type

Ø150 Dome(PP), Ø250 Dome(PP Translucent·Opaque), Ø350 Dome(PP)

ARM HOOD type

Ø200 Dome(PP), Ø400 Dome(PP·PC)

Photos of installation



Laboratory



Hospital



Toxic Gas Air Purifier - Two(2) Entrances

- Moving it to your desired position, it efficiently purifies and discharges pollution sources occurred in hospital, research rooms, laboratories, welding workshops etc. It can be conveniently used in a narrow space with a two-hole hose type.



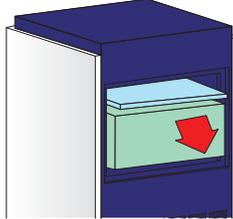
Spec.

Model Name	Spec.	Model Name	Spec.	Model Name	Spec.
CAFU-B01-01	300 X 300 X 480	CAFU-B01-02	300 X 300 X 425	CAFU-A02-01	390 X 390 X 710
Material	Plate 1.2t with Epoxy Powder Coated	Material	Plate 1.2t with Epoxy Powder Coated	Material	Plate 1.2t with Epoxy Powder Coated
Noise	≤65dB	Noise	≤65dB	Noise	≤65dB
Air Speed	9m/s, 490CMH	Air Speed	9m/s, 490CMH	Air Speed	10m/s, 1500CMH
Output	70W	Output	70W	Output	160W
Rated	220V, 50/60Hz	Rated	220V, 50/60Hz	Rated	220V, 50/60Hz
Weight	15kg	Weight	14kg	Weight	26kg

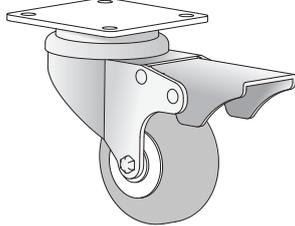
Anti-bacterial pre filter
 Nano Ceramics Catalyst Filter
 +
 Impregnated Active Carbon
 +
 Sterilization HEPA Filter



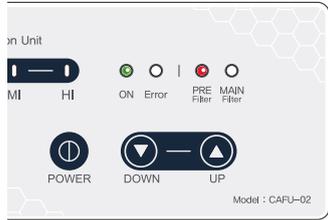
Purification and Sterilization of Contamination Source. Perfect Filter Combination



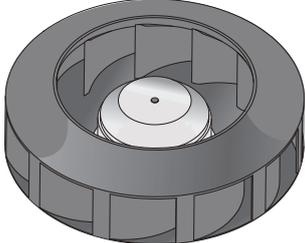
Easy & simple to replace a filter



Urethane bearing wheels reduce noise when moving and move well with less force



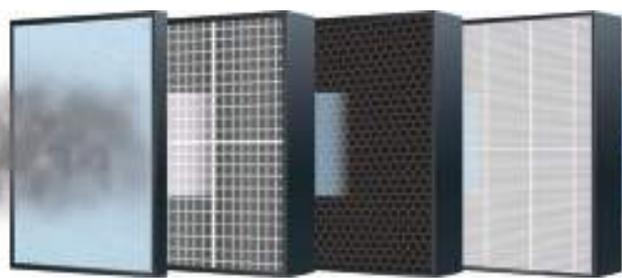
Filter Replacement Indicator



Power Consumption Reduced with BLDC Motor

Current filter status can be checked

Structure of filters



- Antibacterial PRE filter**
Phase 1
Remove dust over 10µm & control mold growth
- Ceramic Honeycomb filter**
Phase 2
Remove VOCs, bad smell
- Impregnated active carbon Filter**
Phase 3
- Sterilizing HEPA filter**
Phase 4
Remove 0.3µm particle over 99.95%

Photos of installation



Soldering Lab



Toxic Gas Air Purifier for Removal of Treatment Fume (Dermatology, Plastic surgery)

- It perfectly collects and purifies fine dust and harmful substances generated during the procedure. Hospital color LCDs can check the working environment at a glance with fine dust, temperature and humidity, and TVOC sensors, and IoT functions using Wi-Fi can be applied to manage them with dedicated APP.



Spec.

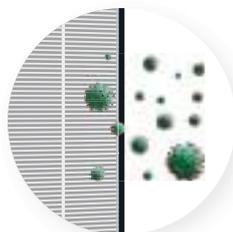
Model Name	사양
CAFU-27L, 27LD CAFU-27B, 27BD	330 X 355 X 991 (mm)
Material	Plate 1.2t with Epoxy Powder Coated
Noise	≤65dB
Air Speed	11m/s, 1500CMH
Output	160W
Rated	220V, 50/60Hz
Weight	32kg

Size (mm)

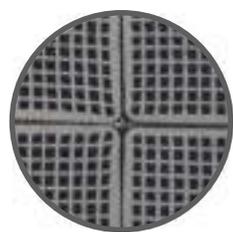




Collect fine dust with Bag filter



Ulpa filters collect harmful substances and viruses of 0.1µm particles, providing strong cleanliness.



A carbon filter made by a ceramic method has maximized its efficiency superior to the impregnated active carbon filter



Filter Replacement Indicator (CAFU-27B, 27BD)



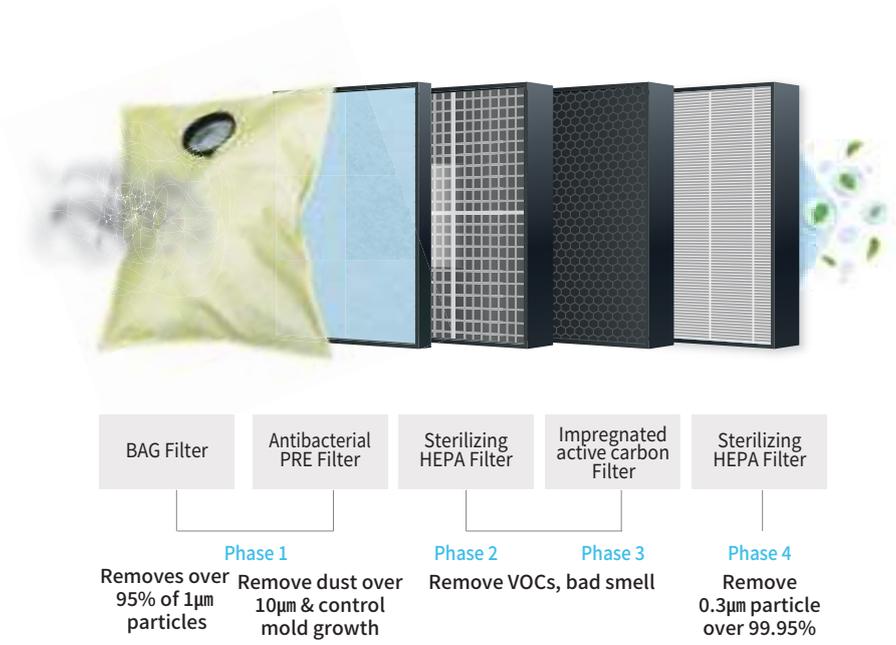
The color LCD screen displays values of TVOC, temperature, humidity & fine dust (CAFU-27L, 27LD)



Possible to collect data using Wi-Fi and manage in with the exclusive app

Structure of filters

Photos of installation



Hospital

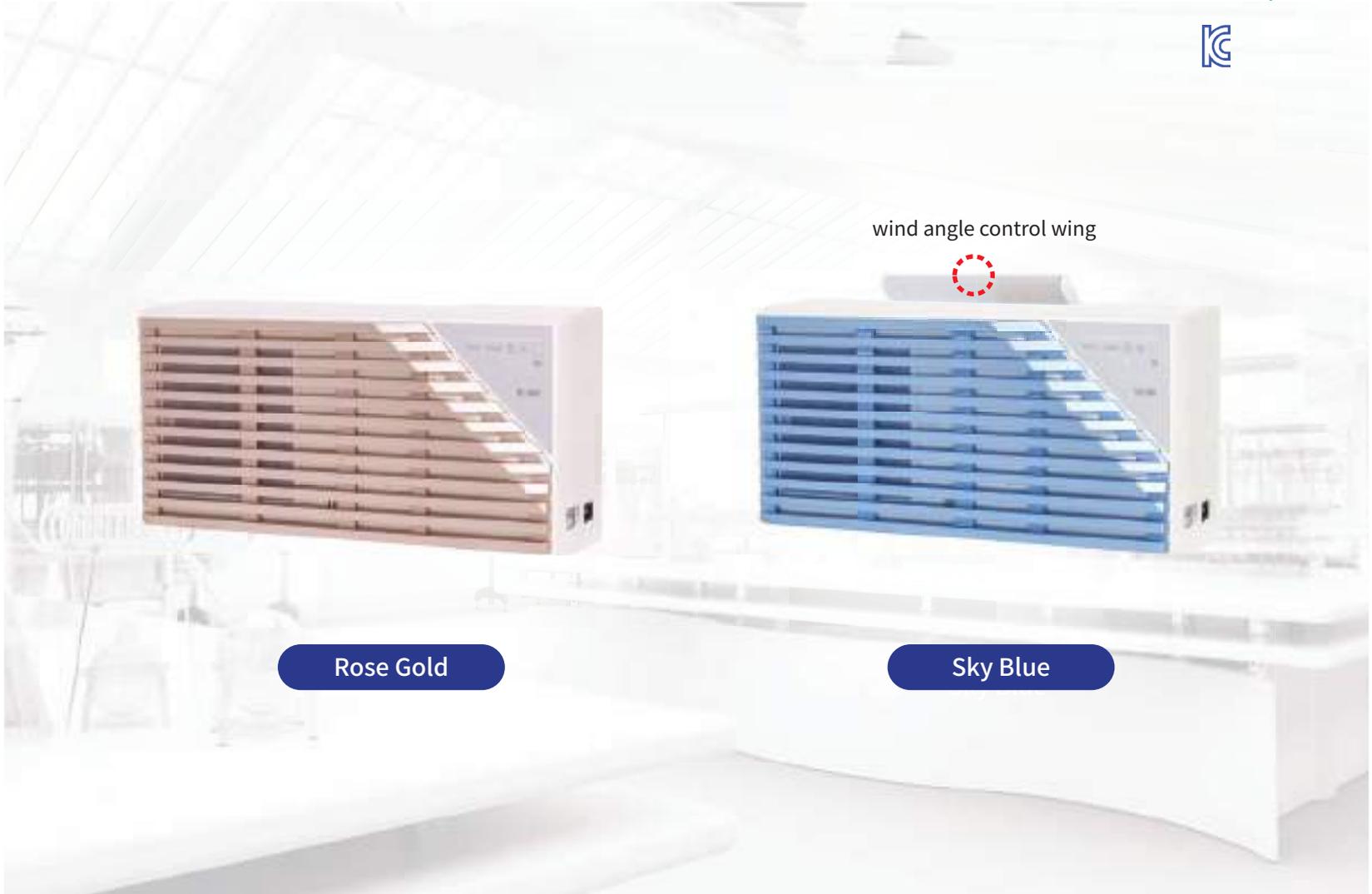


Dermatology Clinic



Wall-mounted Toxic Gas Air Purifier

- Remove harmful gases by installing on the walls of narrow places such as laboratories R&D center, etc. TVOC and fine dust sensor allow you to check the working environment at a glance and automatically turn on and off according to human movement with LIDAR sensor. In addition, thanks to IoT function using Wi-Fi is applied, it can be managed with a dedicated APP.



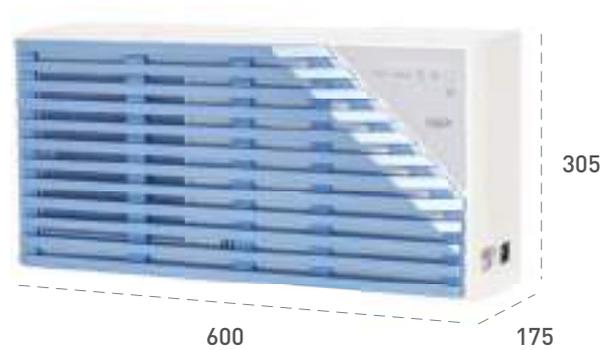
Rose Gold

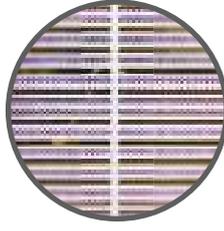
Sky Blue

Spec.

Model Name	Spec.
ROBA-03	600 X 175 X 305 (mm)
Material	ABS, etc
Noise	≤60dB
Air Speed	670CMH
Output	160W
Rated	220V, 50/60Hz
Weight	8kg

Size (mm)





Using a semi-permanent photocatalytic filter and LED lamp, remove efficiently germs on the air



Filter replacement period setting is available



Remote operation via remote control



Possible to collect data using Wi-Fi and manage it with the exclusive app

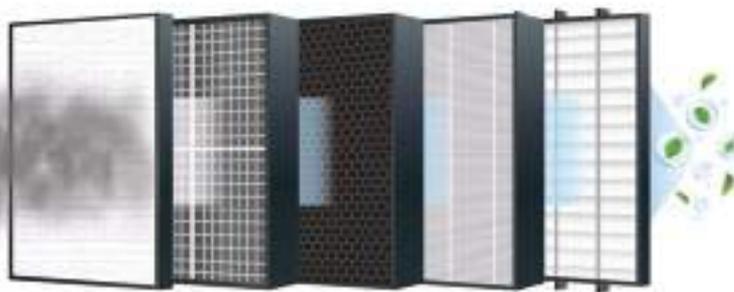


It is automatically turned on and off according to human movement by using the LIDAR sensor.



Easy to control several devices by applied control service

Structure of filters



- | | | | | |
|---|----------------------------|--|---|---|
| Antibacterial
PRE Filter | Sterilizing
HEPA Filter | Impregnated
active carbon
Filter | Sterilizing
HEPA Filter | Photocatalytic
Filter |
| Phase 1 | Phase 2 | Phase 3 | Phase 4 | Phase 5 |
| Remove dust over
10µm & control
mold growth | Remove VOCs, bad smell | | Remove
0.3µm particle
over 99.95% | Sterilize &
decompose
various
hazardous
materials |

Photos of installation



University Laboratory



Welfare Center Kitchen



Mass Air Flow Portable Toxic Gas Air Purifier

- Moving it to your desired position, it efficiently purifies and discharges pollution sources occurred in research rooms, laboratories, welding workshops etc. It can be placed anywhere and moved freely to a position for suction.



Spec.

Model Name	Spec.
CAFU-A13	440 X 455 X 770 (mm)
Material	Plate 1.2t with Epoxy Powder Coated
Noise	≤70dB
Air Speed	16m/s, 1650CMH
Output	320W
Rated	220V, 50/60Hz
Weight	32kg

Size (mm)



Anti-bacterial pre filter
Nano Ceramics Catalyst Filter
+ Impregnated Active Carbon
+ Sterilization HEPA Filter

Purification and Sterilization of Contamination Source. Perfect Filter Combination

Easy & simple to replace a filter

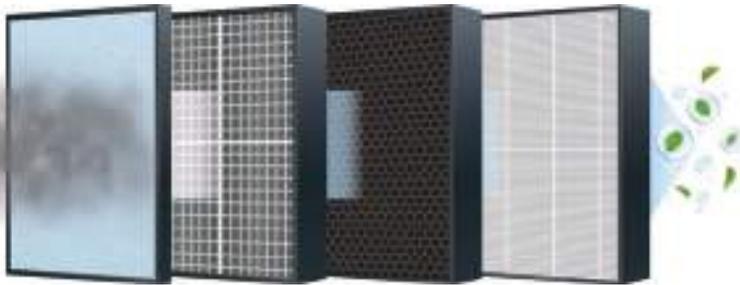
Urethane bearing wheels reduce noise when moving and move well with less force.

Filter Replacement Indicator

Power Consumption Reduced with BLDC Motor

Current filter status can be checked

Structure of filters



- Antibacterial PRE filter**
Phase 1
Remove dust over 10µm & control mold growth
- Ceramic Honeycomb filter**
Phase 2
Remove VOCs, bad smell
- Impregnated active carbon Filter**
Phase 3
- Sterilizing HEPA filter**
Phase 4
Remove 0.3µm particle over 99.95%

Photos of installation



Beauty shop



Laser workshop

Laboratory



Toxic Gas Air Purifier for Soldering

- Putting the purifier on tables, it efficiently purifies, removes and discharges pollution sources occurred in labs, research rooms, welding workshops, various painting (Painting & spray for 3D printing, figures etc.), nail shops and other workshops etc.



CAFU-A08 (Standard Model)

CWAH-TB08-00 (Economy Model)

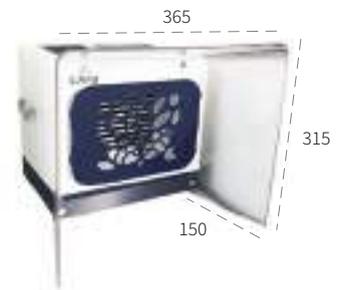
Spec.

Model Name	Spec.
CAFU-A08	285 X 230 X 275 (mm)
Material	Plate 1.0t With Epoxy Powder Coated
Noise	≤70dB
Air Speed	300CMH
Output	100W
Rated	12V 5A
Weight	6kg

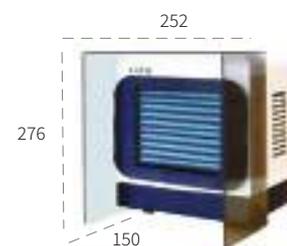
Model Name	Spec.
CWAH-TB08-00	245 X 175 X 275 (mm)
Material	Plate 1.0t With Epoxy Powder Coated
Noise	≤60dB
Air Speed	160CMH
Output	25W
Rated	24V 0.92A
Weight	6kg

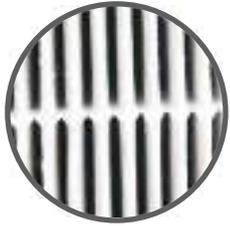
Chamber (mm)

* CAFU-A08 Chamber Sold Separately

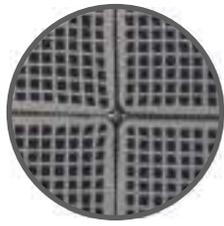


* CWAH-TB08-00 Includes Chamber

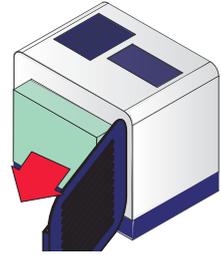




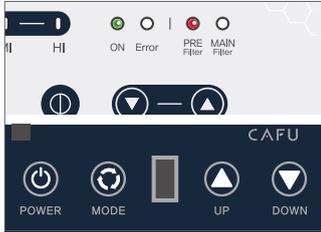
Perform sterilization and removal of fine dust using a sterilizing HEPA filter



A carbon filter made by a ceramic method has maximized its efficiency superior to the impregnated active carbon filter



Easy & simple to replace a filter



Filter Replacement Indicator

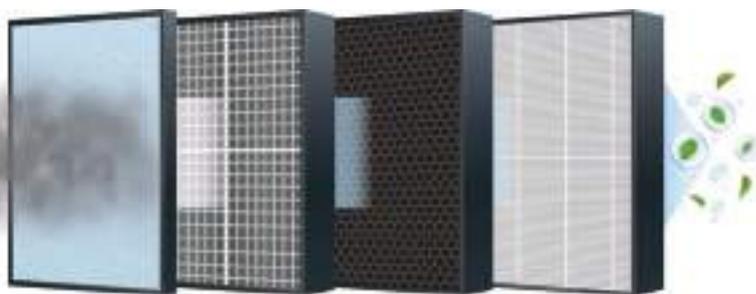


Power Consumption Reduced with BLDC Motor



Filter replacement period setting is available

Structure of filters



- | | | | |
|---|--|---|--|
| <p>Antibacterial PRE filter</p> <p>Phase 1
Remove dust over 10µm & control mold growth</p> | <p>Ceramic Honeycomb filter</p> <p>Phase 2
Remove VOCs, bad smell</p> | <p>Impregnated active carbon Filter</p> <p>Phase 3</p> | <p>Sterilizing HEPA filter</p> <p>Phase 4
Remove 0.3µm particle over 99.95%</p> |
|---|--|---|--|

Photos of installation



School Soldering Lab



Toxic Gas Air Purifier for 3D printer & Safety Box

- It effectively purifies and circulates harmful gases generated when operating the 3D printer in the safety chamber. It can be customized and produced according to the 3D printer size.



Spec.

	Toxic Gas Air Purifier	1x1 Safety box	1x1 Storage Box Stand type	1x2 Storage Box Stand type
Model Name	CAFU-20S	CAFU-20S-01	CAFU-20S-02	CAFU-20S-03
Size (mm)	300 X 290 X 245	750 X 750 X 1000	750 X 750 X 1600	1500 X 750 X 1600
Shelf (mm)	658 X 580			
Material	Plate 1.2t with Epoxy Powder Coated + Aluminum profile			
Noise	≤60dB	.	.	.
Air Speed	300CMH	.	.	.
Output	100W	.	.	.
Rated	12V 5A	.	.	.
Weight	8kg	82kg	90kg	170kg

	Toxic Gas Air Purifier	2x1 Safety box	2x2 Safety box	2x2 Safety box
Model Name	CAFU-A20B	CAFU-A20B-01	CAFU-A20B-02	CAFU-A20B-03
Size (mm)	749 X 726 X 270	750 X 750 X 1700	1500 X 750 X 1700	2280 X 750 X 1700
Shelf (mm)	658 X 580			
Material	Plate 1.2t with Epoxy Powder Coated + Aluminum profile			
Noise	≤60dB	.	.	.
Air Speed	420CMH	.	.	.
Output	80W	.	.	.
Rated	220V, 50/60Hz	.	.	.
Weight	20kg	95kg	180kg	270kg

Anti-bacterial pre filter

Nano Ceramics Catalyst Filter + Impregnated Active Carbon + Sterilization HEPA Filter



Purification and Sterilization of Contamination Source. Perfect Filter Combination



External exhaust type selectable



Easy & simple to replace a filter

CAFU-20S



CAFU-A20B



Filter Replacement Indicator



Remote control allows for remote control



High load footmaster applied to move safely

Choose from 5 types



CAFU-20S-01 (1x1)



CAFU-20S-02 (1x1 Stand type)



CAFU-20S-03 (1x2 Stand type)



CAFU-20B-01 (2x1)



CAFU-20B-02 (2x2)



CAFU-20B-03-1 (2x3)

Photos of installation



3D printer lab



IoT Photocatalyst Toxic Gas Air Purifier for 3D printer & Safety Box

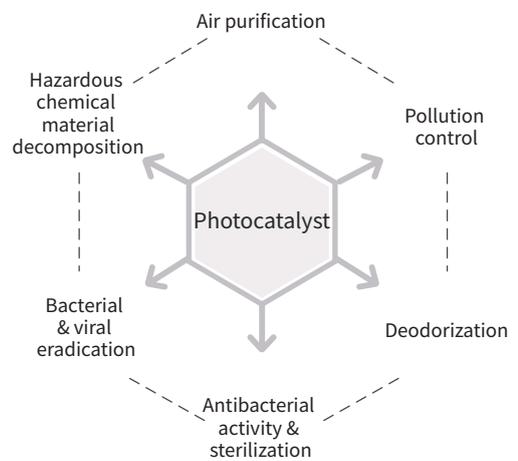
- When the 3D printer is operated in the safety storage Cabinet, the harmful gas generated is sterilized and purified more strongly and circulated through the photocatalytic function. In addition, IoT functionality and dedicated applications facilitate convenient management.

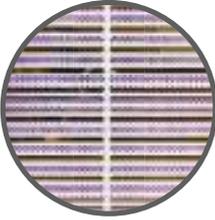


Spec.

	Toxic Gas Air Purifier	2x1 Safety box	2x2 Safety box	2x3 Safety box
Model Name	CAFU-A20L	CAFU-A20L-01	CAFU-A20L-02	CAFU-A20L-03
Size (mm)	749 X 750 X 270	750 X 750 X 1700	1500 X 750 X 1700	2280 X 750 X 1700
Material	Plate 1.2t with Epoxy Powder Coated + Aluminum profile			
Noise	≤60dB	·	·	·
Air Speed	420CMH	·	·	·
Output	80W	·	·	·
Rated	220V, 50/60Hz	·	·	·
Weight	20kg	95kg	180kg	270kg

Photocatalyst





Using a semi-permanent photocatalytic filter and LED lamp, remove efficiently germs on the air



External exhaust type selectable



Easy & simple to replace a filter



The color LCD screen displays values of TVOC, temperature, humidity & fine dust



Remote control allows for remote control



Possible to collect data using Wi-Fi and manage in with the exclusive app

Choose from 3 types



CAFU-A20L-03
(2x3)



CAFU-A20L-01
(2x1)



CAFU-A20L-02
(2x2)

Photos of installation



3D printer lab



Toxic Gas Air Purifier for 3D printer & DIY Safety Box

- It effectively purifies and circulates harmful gases generated when operating the 3D printer in the safety chamber. It is an assembly type product that consumers use by assembling the product themselves, and the price is more reasonable.



CAFU-20D-01 (Small size) / CAFU-20D-02 (Large size)

Spec.

	Toxic Gas Air Purifier	Safety Box Small	Safety Box Large
Model Name	CAFU-20S	CAFU-20D-01	CAFU-20D-02
Size (mm)	300 X 290 X 245	External : 510 X 535 X 535 inner : 450 X 450 X 475	External : 610 X 635 X 585 inner : 550 X 550 X 525
Material	Plate 1.2t with Epoxy Powder Coated + Aluminum profile		
Noise	≤65dB	.	.
Air Speed	300CMH	.	.
Output	100W	.	.
Rated	12V 5A	.	.
Weight	8kg	24kg	28kg

Size (mm)

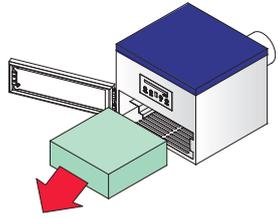




We lowered the price burden by reducing the cost with prefabricated products.



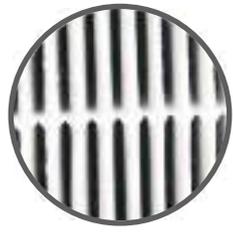
Filter Replacement Indicator



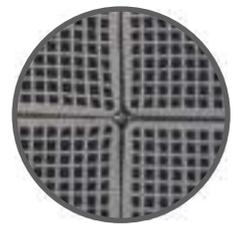
Easy & simple to replace a filter



Power Consumption Reduced with BLDC Motor

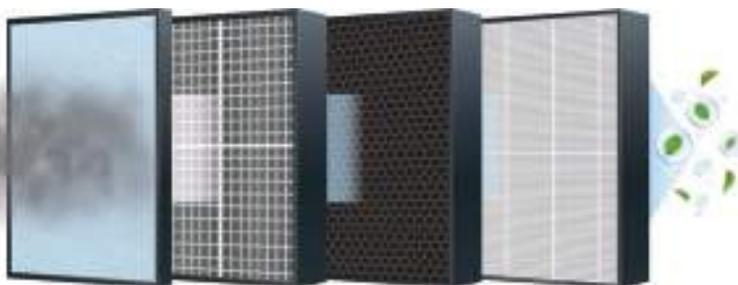


Perform sterilization and removal of fine dust using a sterilizing HEPA filter



A carbon filter made by a ceramic method has maximized its efficiency superior to the impregnated active carbon filter

Structure of filters



- Antibacterial PRE filter**
Phase 1
Remove dust over 10µm & control mold growth
- Ceramic Honeycomb filter**
Phase 2
Remove VOCs, bad smell
- Impregnated active carbon Filter**
Phase 3
- Sterilizing HEPA filter**
Phase 4
Remove 0.3µm particle over 99.95%

Photos of installation



3D Printer Lab



Toxic Gas Air Purifier & Safety Storage Cabinet for Laser Cutter

- The harmful gas generated during working with laser cutter is effectively purified and circulated in the safety storage cabinet.



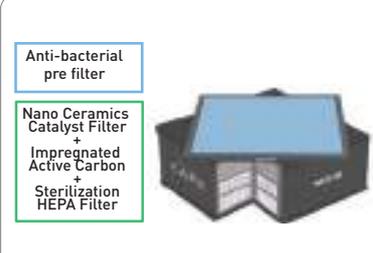
CWST-LE24-BD17 (Standard Model)

CWST-LE24-FD20 (Folding Door Model)

Spec.

	본체	1x1 보관함
Model Name	CAFU-A20B	CWST-LE24-BD17
Size (mm)	749 X 726 X 270	1700 X 1000 X 2270
Material	Plate 1.2t with Epoxy Powder Coated + Aluminum profile	
Noise	≤60dB	·
Air Speed	420CMH	·
Output	80W	·
Rated	220V, 50/60Hz	·
Weight	20kg	70kg

	본체	1x1 보관함
Model Name	CAFU-A20B	CWST-LE24-FD20
Size (mm)	749 X 726 X 270	2000 X 1500 X 1920
Material	Plate 1.2t with Epoxy Powder Coated + Aluminum profile	
Noise	≤60dB	·
Air Speed	420CMH	·
Output	80W	·
Rated	220V, 50/60Hz	·
Weight	20kg	90kg



Anti-bacterial pre filter

Nano Ceramics Catalyst Filter + Impregnated Active Carbon + Sterilization HEPA Filter

Purification and Sterilization of Contamination Source. Perfect Filter Combination



External exhaust type selectable



Easy & simple to replace a filter



Filter Replacement Indicator



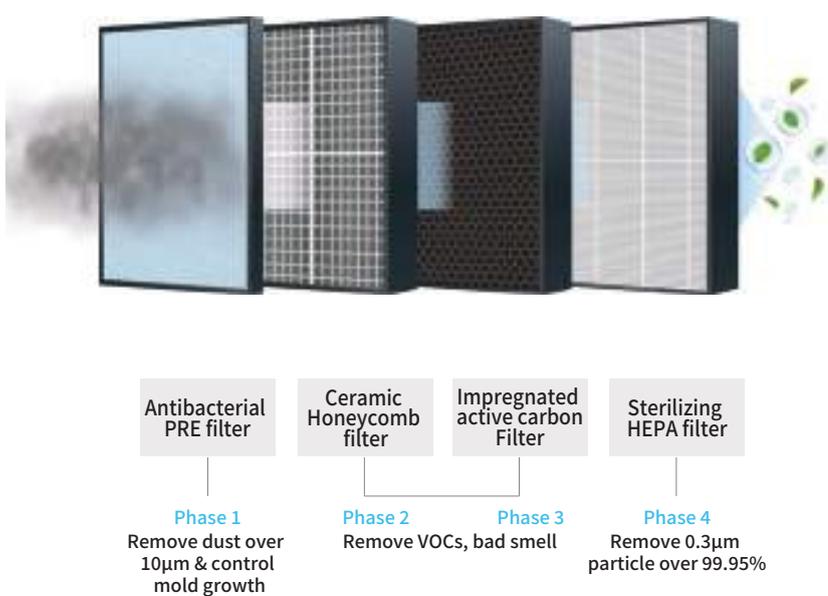
Remote control allows for remote control



High load footmaster applied to move safely

Structure of filters

Photos of installation



Laser Cutting Lab



Chemical Safety Cabinet

- Stores chemical reagents and hazardous substances in labs, hospitals, and schools. Built-in photocatalytic filter sterilizes bacteria and viruses. Premium model supports Wi-Fi (IoT), app control, and air quality sensors (PM, temp/humidity, TVOC).

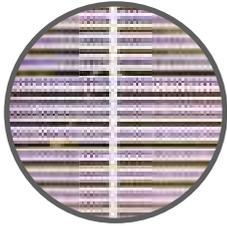


Spec.

Model Name	Spec.
CWRC-M0ML-D108 (Standard) CWRC-M0MB-D108 (Premium)	800 X 750 X 1911 (mm)
Material	Plate 1.2t / 2.6t with Epoxy Powder
Noise	≤60dB
Air Volume	420CMH
Output	80W
Rating	220V, 50/60Hz
Weight	120kg

Size (mm)





Using a semi-permanent photocatalytic filter and LED lamp, remove efficiently germs on the air



Dual-direction air discharge improves internal air purification



Sliding shelf for easy use



Filter Replacement Indicator (CWRC-M0MB-D108)



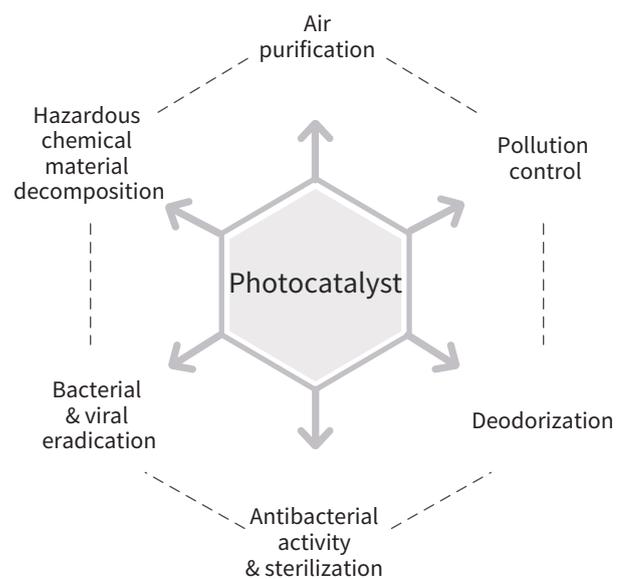
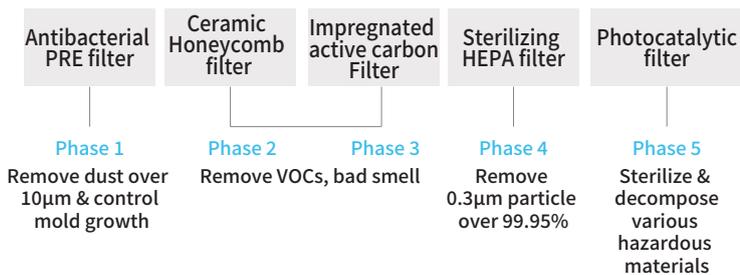
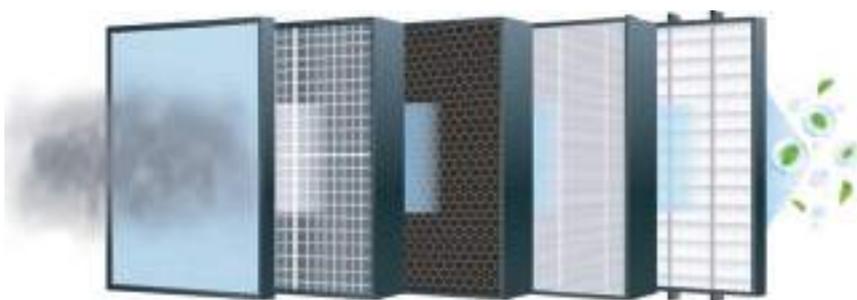
The color LCD screen displays values of TVOC, temperature, humidity & fine dust (CWRC-M0ML-D108)



Wi-Fi enabled for data collection and app-based management (CWRC-M0ML-D108)

Structure of filters

Photocatalysis





Toxic Gas Air Purifier for Reagent Cabinets

- It performs efficiently filtering the stagnant hazardous gas inside a reagent cabinet and then purifies and circulates it.
It is possible to offer the pipe by cutting and machining to fit your reagent cabinet.



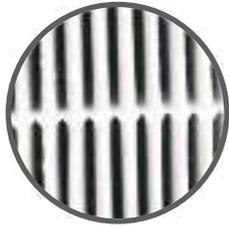
CAFU-A17

Spec.

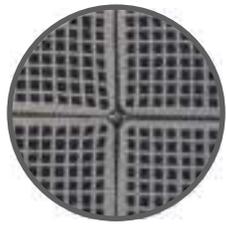
Model Name	Spec.
CAFU-A17	415 X 290 X 315 (mm)
Material	Plate 1.2t with Epoxy Powder Coated
Noise	≤60dB
Air Speed	420CMH
Output	80W
Rated	220V, 50/60Hz
Weight	12kg

Size (mm)





Perform sterilization and removal of fine dust using a sterilizing HEPA filter



A carbon filter made by a ceramic method has maximized its efficiency superior to the impregnated active carbon filter

 data-bbox="663 191 854 241"/>

Current filter status can be checked



Filter Replacement Indicator



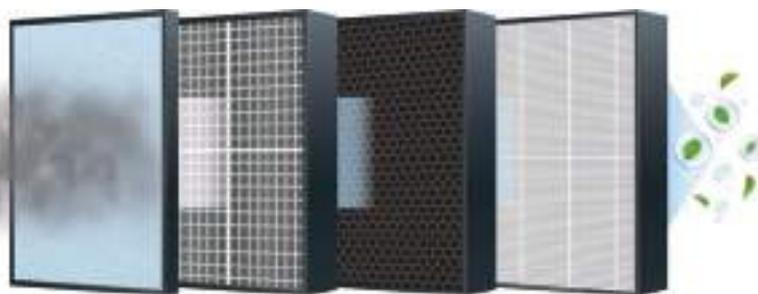
Power Consumption Reduced with BLDC Motor



Possible to assemble the pipe simply

Structure of filters

Photos of installation



- Antibacterial PRE filter**
Phase 1
Remove dust over 10µm & control mold growth
- Ceramic Honeycomb filter**
Phase 2
Remove VOCs, bad smell
- Impregnated active carbon Filter**
Phase 3
- Sterilizing HEPA filter**
Phase 4
Remove 0.3µm particle over 99.95%



Universities in Singapore



Laboratory



Clean workbench for post-processing

- It effectively sucks fine dust and harmful gases generated during processing, purifies and removes them.

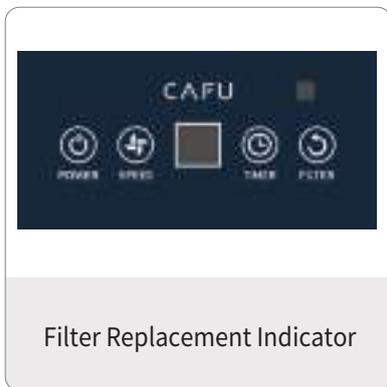
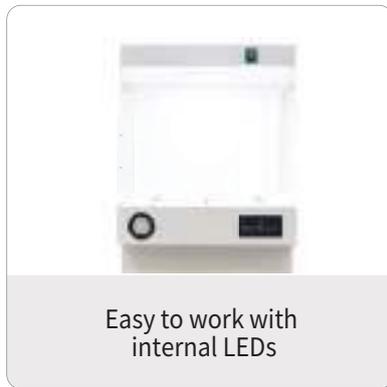


Spec.

Model Name	Spec.
CAFU-28	500 X 500 X 1540(mm)
Material	Plate 1.6t with Epoxy Powder Coated
Noise	≤65dB
Air Speed	1310CMH
Output	280W
Rated	220V, 60Hz
Weight	43kg

Size (mm)





Structure of filters

Photos of installation



Synthetic Fiber Bag Filter

Phase 1
Remove 1 μ m particle over 95%

Sterilizing HEPA Filter

Phase 2
Remove 0.3 μ m particle over 99.95%



Laboratory



IoT Stand Photocatalytic Toxic Gas Air Purifier

- Thanks to the photocatalyst directly decomposing germs and hazardous gas, it is installed in places vulnerable containment sources such as research rooms, laboratories, hospitals etc. You can check working environment such as fine dust, temperature, humidity and TVOC at a look with a sensor, and manage it with the exclusive app by applying IoT function using Wi-Fi.

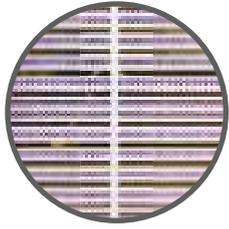


Spec.

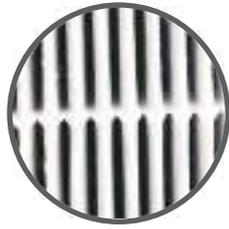
Model Name	Spec.
CAFU-15	500 X 350 X 1500 (mm)
Material	Plate 1.2t with Epoxy Powder Coated
Noise	≤65dB
Air Speed	800CMH
Output	130W
Rated	220V, 50/60Hz
Weight	40kg

Size (mm)

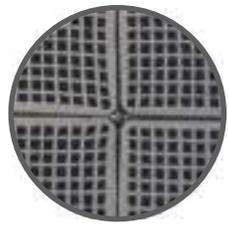




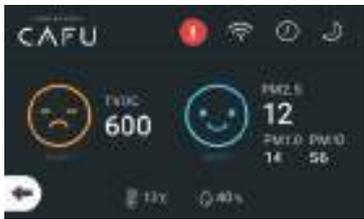
Using a semi-permanent photocatalytic filter and LED lamp, remove efficiently germs on the air



Perform sterilization and removal of fine dust using a sterilizing HEPA filter



A carbon filter made by a ceramic method has maximized its efficiency superior to the impregnated active carbon filter



The color LCD screen displays values of TVOC, temperature, humidity & fine dust



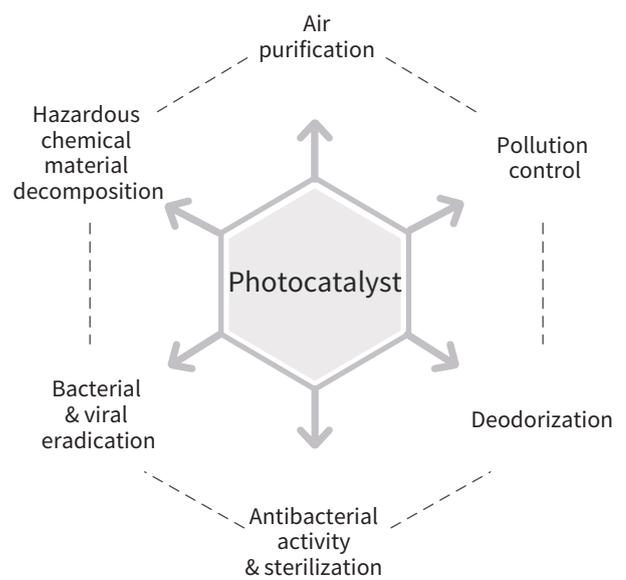
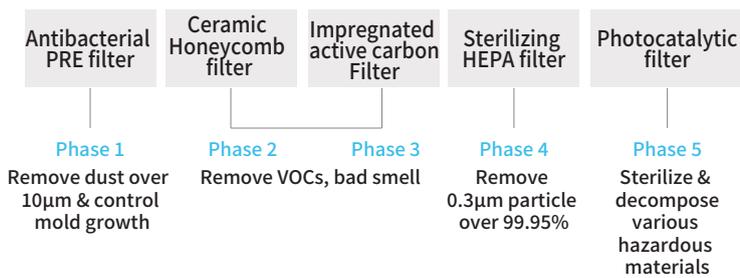
Possible to collect data using Wi-Fi and manage it with the exclusive app



Easy to control several devices by applied control service

Structure of filters

Photocatalysis





Large IoT Photocatalyst Toxic Gas Air Purifier

- It quickly decomposes and sterilizes bacteria and viruses through a photocatalytic filter in large spaces vulnerable to contaminants. You can check working environment such as fine dust, temperature, humidity and TVOC at a look with a sensor, and manage it with the exclusive app by applying IoT function using Wi-Fi.

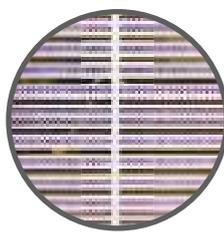


Spec.

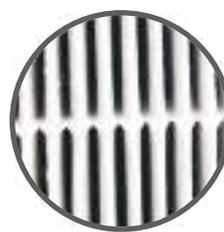
Model Name	Spec.
CAFU-26	903 X 493 X 1790 (mm)
Material	Plate 2t with Epoxy Powder Coated
Noise	≤75dB
Air Speed	1310CMH*2
Output	280W
Rated	220V, 50/60Hz
Weight	132kg

Size (mm)

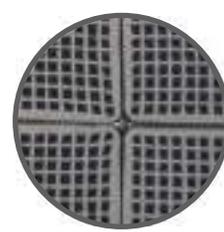




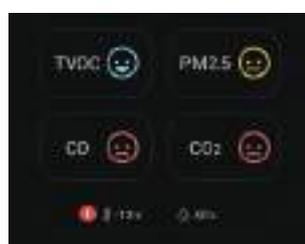
Using a semi-permanent photocatalytic filter and LED lamp, remove efficiently germs on the air



Perform sterilization and removal of fine dust using a sterilizing HEPA filter



A carbon filter made by a ceramic method has maximized its efficiency superior to the impregnated active carbon filter



The color LCD screen displays values of TVOC, temperature, humidity & fine dust



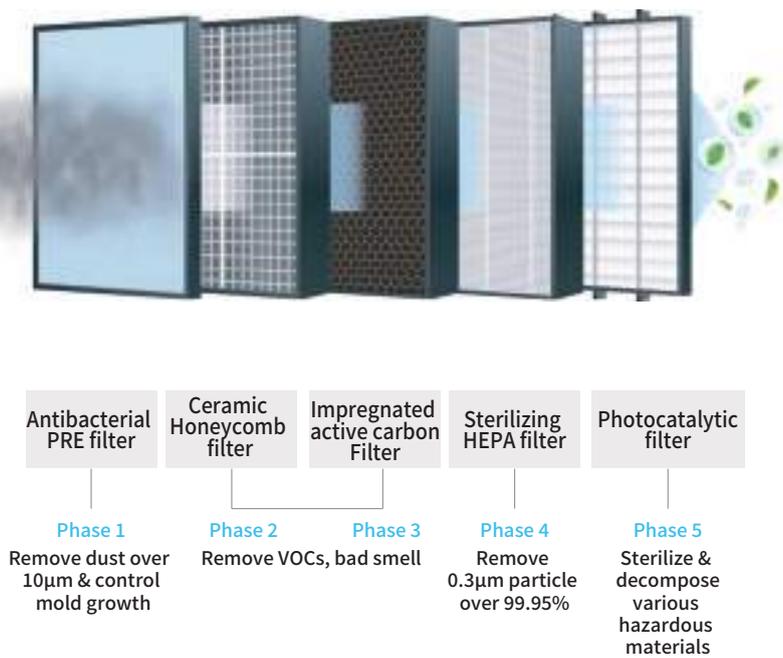
Possible to collect data using Wi-Fi and manage it with the exclusive app



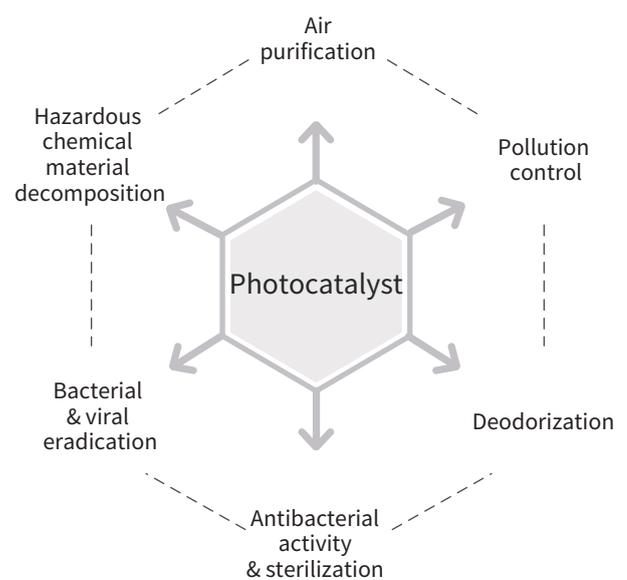
Easy to control several devices by applied control service

Structure of filters

※ 2sets of filters are installed



Photocatalysis





Large sized Fine Dust & Toxic Gas Air Purifier

- Moving it to your desired position and using strong suction power, it removes dust and hazardous gas occurred in research rooms, laboratories, industries etc.

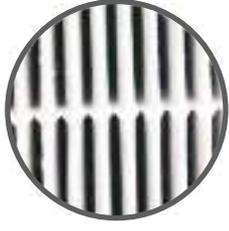


Spec.

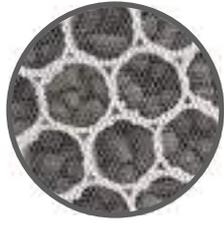
Model Name	Spec.
CAFU-A18	750 X 530 X 1700 (mm)
Material	Plate 1.6t with Epoxy Powder Coated
Noise	≤70dB
Air Speed	1650CMH
Output	320W
Rated	220V, 50/60Hz
Weight	95kg

Size (mm)

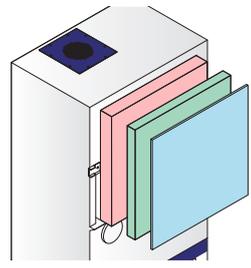




Perform sterilization and removal of fine dust using a sterilizing HEPA filter



A carbon filter made by a ceramic method has maximized its efficiency superior to the impregnated active carbon filter



Easy & simple to replace a filter



Filter Replacement Indicator

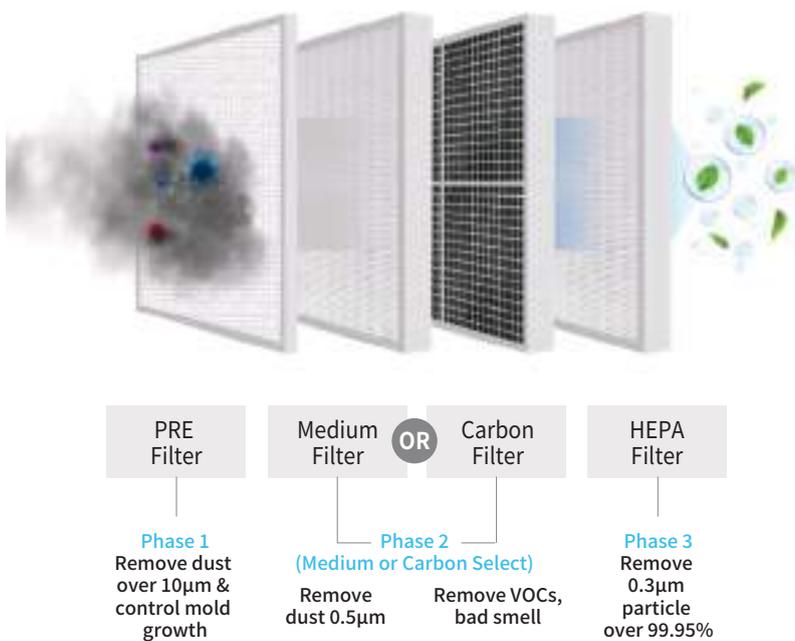


Power Consumption Reduced with BLDC Motor



Possible to check filter pollution level with the mounted differential pressure gauge

Structure of filters



Photos of installation



an academy practice room



Fume Hood

- Freestanding design ideal for labs where duct installation is difficult, allowing easy installation and flexible use in various spaces without limitations. Effectively removes fine dust and harmful gases to maintain a safe and pleasant lab environment.



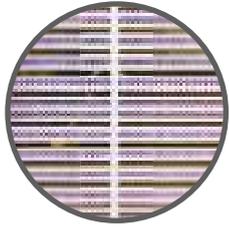
CAFU-23-01 (Tabletop type)

CWFH-M029-M112 (Stand type)

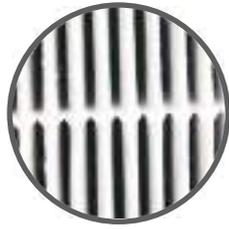
Spec.

Model Name	Spec.
CAFU-23-01	800 X 500 X 840 (mm)
Material	Plate 1.6t with Epoxy Powder Coated, SUS 304 1.2T
Noise	≤70dB
Air Volume	1500CMH
Output	160W
Rating	220V, 50/60Hz
Weight	58kg

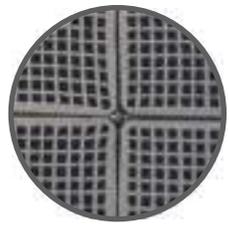
Model Name	Spec.
CWFH-M029-M112	1200 X 750 X 2020 (mm)
Material	Plate 1.2t with Epoxy Powder Coated
Duct Size	200A
Noise	≤65dB
Air Volume	1520CMH
Output	380W
Rating	220V, 50/60Hz
Weight	100kg



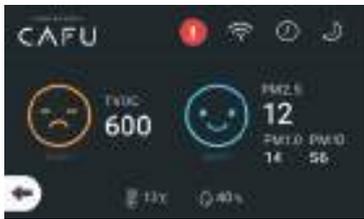
Using a semi-permanent photocatalytic filter and LED lamp, remove efficiently germs on the air



Perform sterilization and removal of fine dust using a sterilizing HEPA filter



A carbon filter made by a ceramic method has maximized its efficiency superior to the impregnated active carbon filter



The color LCD screen displays values of TVOC, temperature, humidity & fine dust (CAFU-23-01)



Possible to collect data using Wi-Fi and manage it with the exclusive app (CAFU-23-01)



Fume hood with built-in motor and filter chamber, compatible with user-supplied 200A duct connection (CWFH-M029-M112)

Structure of filters

Photos of installation



- Antibacterial PRE filter**
Phase 1
Remove dust over 10µm & control mold growth
- Ceramic Honeycomb filter**
Phase 2
Remove VOCs, bad smell
- Impregnated active carbon Filter**
Phase 3
- Sterilizing HEPA filter**
Phase 4
Remove 0.3µm particle over 99.95%
- Photocatalytic filter**
Phase 5
Sterilize & decompose various hazardous materials



Laboratory



Hooded Toxic Gas Air Purifier

- It efficiently purifies and discharges pollution sources occurred in research rooms, laboratories, welding workshops etc.
The dual structure for suction from the front and rear strengthens its suction power.



Spec.

Model Name	Spec.
CAFU-05-01	640 X 550 X 1110 (mm)
Material	Plate 1.2t with Epoxy Powder Coated
Noise	≤70dB
Air Speed	1650CMH
Output	320W
Rated	220V, 50/60Hz
Weight	43kg

Model Name	Spec.
CAFU-05-02	640 X 550 X 1360 (mm)
Material	Plate 1.2t with Epoxy Powder Coated
Noise	≤70dB
Air Speed	1650CMH
Output	320W
Rated	220V, 50/60Hz
Weight	48kg



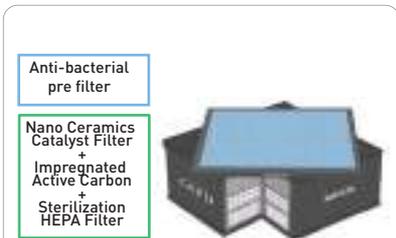
Easy to clean with SUS material which is strong against corrosion



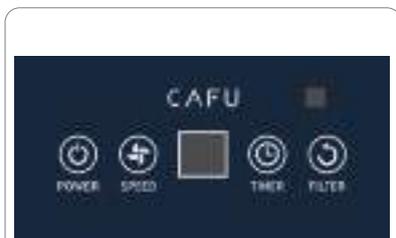
The dual structure for suction from the front and rear



Easy to separate & move with foldable handles



Purification and Sterilization of Contamination Source. Perfect Filter Combination

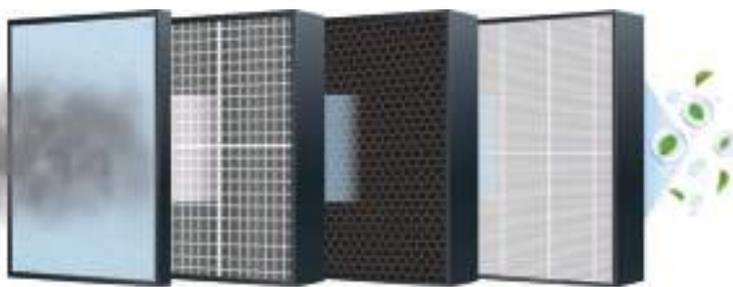


Filter Replacement Indicator



Power Consumption Reduced with BLDC Motor

Structure of filters



Antibacterial PRE filter

Phase 1
Remove dust over 10µm & control mold growth

Ceramic Honeycomb filter

Phase 2
Remove VOCs, bad smell

Impregnated active carbon Filter

Phase 3
Remove 0.3µm particle over 99.95%

Sterilizing HEPA filter

Phase 4
Remove 0.3µm particle over 99.95%

Photos of installation



Laboratory



Compact Fine Dust & Toxic Gas Air Purifier

- Removes dust, fumes, and hazardous gases to ensure a safer workspace.
Easily movable for flexible use in various environments without installation limits.



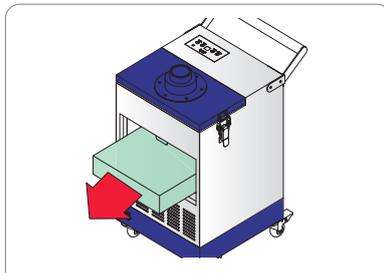
Spec.

Model Name	Spec.
CAFU-19N	340 X 340 X 540 (mm)
Material	Plate 1.2t with Epoxy Powder Coated
Noise	≤65dB
Air Speed	15m/s, 1500CMH
Output	160W
Rated	220V, 50/60Hz
Weight	18kg

Model Name	Spec.
CWDC-M028-B1	300 X 300 X 620 (mm)
Material	Plate 1.2t with Epoxy Powder Coated
Noise	≤70dB
Air Speed	17m/s, 190CMH
Output	1240W
Rated	220V, 60Hz
Weight	18kg



Purification and Sterilization of Contamination Source. Perfect Filter Combination



Easy & simple to replace a filter



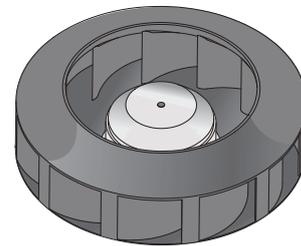
Current filter status can be checked



Filter Replacement Indicator (for Industrial)



Adjustable 7-speed airflow for any environment (for Nail Salon Use)



Power Consumption Reduced with BLDC Motor (for Industrial)

Structure of filters



- | | | | |
|--|---|--|--|
| <p>BAG Filter</p> <p>Phase 1
Remove 1μm particle over 95%</p> | <p>Ceramic Honeycomb Filter</p> <p>Phase 2
Remove VOCs, bad smell</p> | <p>Impregnated active carbon Filter</p> <p>Phase 3</p> | <p>Sterilizing HEPA filter</p> <p>Phase 4
Remove 0.3μm particle over 99.95%</p> |
|--|---|--|--|

Photos of installation



Laboratory



Beauty high school practice room



Medium sized Dust Collector

- By moving to the desired location and It removes dust from machining, polishing, laser workplace, etc. It can be used by moving freely to the location where you want to inhale without restrictions on the installation location.



Spec.

Model Name	Spec.
CAFU-21	390 X 390 X 600 (mm)
Material	Plate 1.2t with Epoxy Powder Coated
Noise	≤70dB
Air Speed	14m/s, 1270CMH
Output	140W
Rated	220V, 50/60Hz
Weight	25kg

Size (mm)





Structure of filters



Synthetic Fiber Bag Filter

Phase 1
Remove 1 μ m particle over 95%

Sterilizing HEPA Filter

Phase 2
Remove 0.3 μ m particle over 99.95%

Photos of installation



Factory



Dust or Welding Fume Collector with Built-in Toxic Gas Purification

- Efficiently removes dust from processing, grinding, welding, and laser work to maintain a clean, safe workspace.
Easily movable and usable anywhere without installation limits.



Spec.

Model Name	Spec.
CAFU-A14 CAFU-A14W	470 X 425 X 790 (mm)
Material	Plate 1.2t with Epoxy Powder Coated
Noise	≤70dB
Air Speed	14m/s, 1650CMH
Output	320W
Rated	220V, 50/60Hz
Weight	30kg

Size (mm)





Bag filter made by synthetic fiber material



Perform sterilization and removal of fine dust using a sterilizing HEPA filter



2mm carbon filter made by a ceramic method is maximizing its efficiency compared to the impregnated active carbon filter



When a filter is blocked, an alarm sensor of a differential pressure gauge activates.



Power Consumption Reduced with BLDC Motor



Current filter status can be checked

Filter structure for dust collection

Filter structure for welding



- Synthetic fiber bag filter**
Phase 1
Remove 1 μ m particle over 95%
- Ceramic carbon filter**
Phase 2
Remove VOCs, bad smell
- Impregnated active carbon filter**
Phase 3
- Sterilizing HEPA filter**
Phase 4
Remove 0.3 μ m particle over 99.95%

- Demister filter**
Phase 1
Spark Blocker
- Flame retardant pre filter**
Phase 2
Filters 10 μ m dust & suppresses mold
- Ceramic carbon filter**
Phase 3
Remove VOCs, bad smell
- Impregnated active carbon filter**
Phase 4
- Sterilizing HEPA filter**
Phase 5
Remove 0.3 μ m particle over 99.95%



Large Dust Collector or Toxic Gas Air Purifier for welding

- Designed for dry dust and welding applications, this industrial model features a powerful BLDC motor and long service life. Ø160 hose and foot master casters enhance mobility and stability.



CAFU-22 (for Dust Collection) / CAFU-A22W (for Welding)

Spec.

Model Name	Spec.
CAFU-22 CAFU-A22W	600 X 700 X 1170 (mm)
Material	Plate 1.2t with Epoxy Powder Coated
Noise	≤70dB
Air Speed	5m/s, 3250CMH
Output	380W
Rated	220V, 50/60Hz
Weight	90kg

Size (mm)



for dust collection



Bag filter made by synthetic fiber material

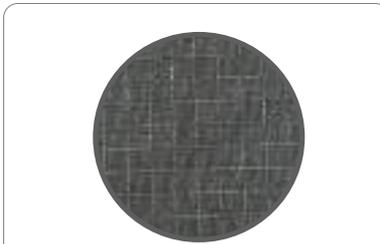


Complete particle collection using HEPA filter

for welding

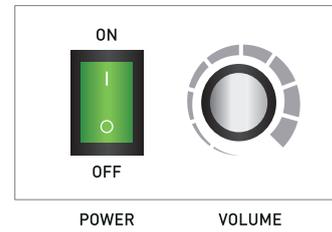


Dust collection and odor removal with carbon + HEPA filter



Prevents fires caused by sparks by applying a demister filter made of SUS material

Common features



Simple operation method



A large amount of air can be sucked in using a ducted hose

Filter structure for dust collection



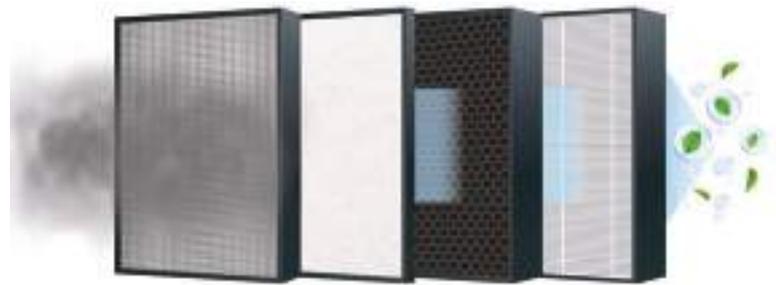
Synthetic Fiber Bag Filter

Phase 1
Remove 1 μ m particle over 95%

HEPA Filter

Phase 2
Remove 0.3 μ m particle over 99.97%

Filter structure for welding



Demister Filter

Phase 1
Spark Blocker

Flame retardant pre filter

Phase 2
Filters 10 μ m dust & suppresses mold

Carbon Filter

Phase 3
Remove VOCs, bad smell

HEPA Filter

Phase 4
Remove 0.3 μ m particle over 99.95%

Flexible hose

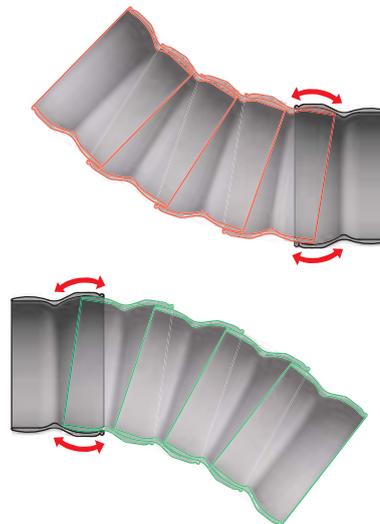
- It efficiently discharges partial containment sources by installing a ceiling such as research rooms, laboratories, and workshops etc.
It can be placed anywhere and moved freely to a position for suction



Spec.

Model Name	Spec.
CWMH-N ($\Phi 77$ Flexible hose)	$\Phi 77$
CWMH-N-50 ($\Phi 50$ Flexible hose)	$\Phi 50$
Material	POM (Acetal)

Bending principle

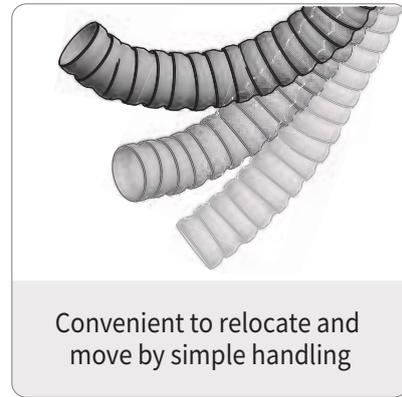




Easy to clean and adjust the length by dividing it separately



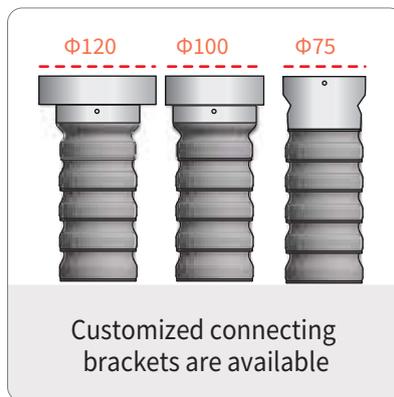
Designed to minimize still air



Convenient to relocate and move by simple handling



Possible to select Φ150(PP), Φ250(PP, PC) and Φ350(PP) dome



Customized connecting brackets are available



Outstanding chemical resistance, weather resistance and wear resistance

Size (mm)

Φ77 Flexible hose



Φ50 Flexible hose



Photos of installation



Welding training room in school

Φ80, Φ110 ARM HOOD

- It efficiently discharges containment sources by installing a ceiling such as research rooms, laboratories, and workshops etc.
As a custom-made product, It is possible to offer a manufacturing change to fit your environment.

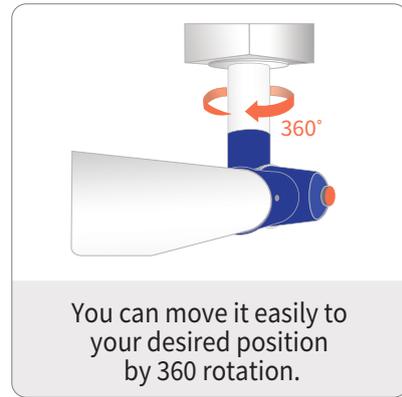
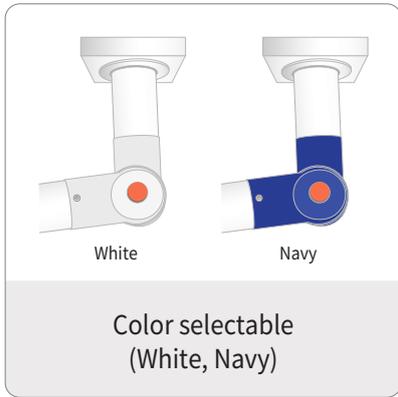


Spec. (Navy)

Model Name	Spec.
CWAH-A80-15	Φ80 X 1500
CWAH-A80-18	Φ80 X 1800
CWAH-A80-21	Φ80 X 2100
CWAH-A80-24	Φ80 X 2400
CWAH-A110-18	Φ110 X 1800
CWAH-A110-21	Φ110 X 2100
CWAH-A110-24	Φ110 X 2400
Material	PP
Bracket Material	SS41 (Powder coating treatment)

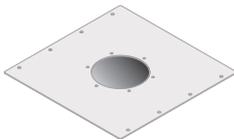
Spec. (White)

Model Name	Spec.
CWAH-A80-W15	Φ80 X 1500
CWAH-A80-W18	Φ80 X 1800
CWAH-A80-W21	Φ80 X 2100
CWAH-A80-W24	Φ80 X 2400
CWAH-A110-W18	Φ110 X 1800
CWAH-A110-W21	Φ110 X 2100
CWAH-A110-W24	Φ110 X 2400
Material	PP
Bracket Material	SS41 (Powder coating treatment)



Bracket Type

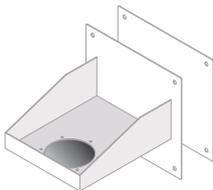
Tex



Panel



Wall



Custom



You can select Tex, Panel, and Wall as the default brackets. In addition, you can easily and quickly install it by creating a bracket tailored to the field situation.

Photos of installation



Industrial site



a school laboratory

Φ80, Φ110 Hybrid ARM HOOD

- It efficiently discharges containment sources by installing a ceiling such as research rooms, laboratories, and workshops etc.
It is convenient to use by connecting a hose to the bottom of the arm hood.

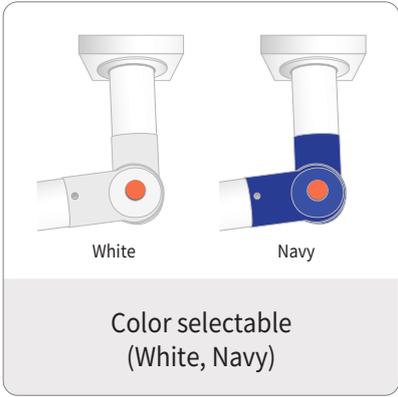


Spec. (Navy)

Model Name	Spec.
CWAH-H80	Φ80
CWAH-H110	Φ110
Bracket Material	SS41 (Powder coating treatment)

Spec. (White)

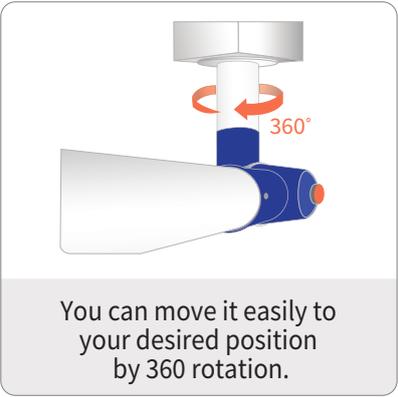
Model Name	Spec.
CWAH-H80-W	Φ80
CWAH-H110-W	Φ110
Bracket Material	SS41 (Powder coating treatment)



Color selectable (White, Navy)



The damper is adjustable depending on usage environment



You can move it easily to your desired position by 360 rotation.



Ø80 Hybrid Arm Hood Supports Ø150, Ø250, and Ø350 domes (PP/PC)

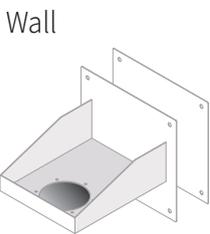
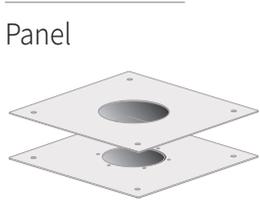
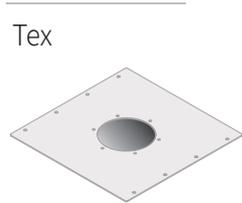


Easy to disassemble, assemble and relocate by the adjusting bolt



Anti-sagging structure using gas spring or gear mechanism (varies by size)

Bracket Type



You can select Tex, Panel, and Wall as the default brackets. In addition, you can easily and quickly install it by creating a bracket tailored to the field situation.

Photos of installation



Railway Corporation

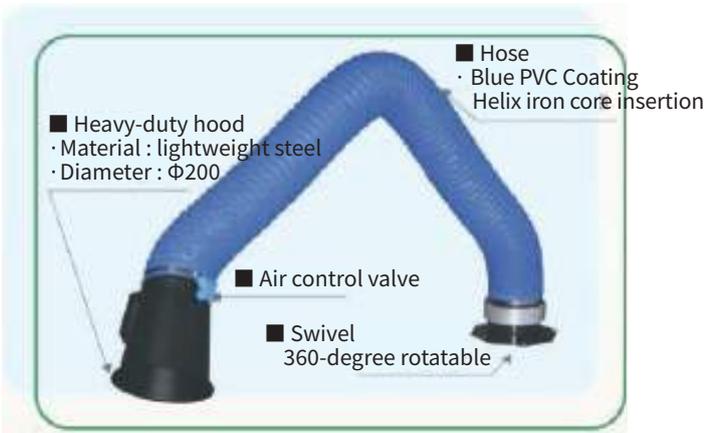
Industrial flexible arm

- Installed on the ceiling of an industrial site, it absorbs and discharges dust and harmful gases generated during work such as welding and dust collection.



Industrial flexible arm

for equipment mounting



Model Name	Spec.
Flexible Arm	Φ160
length	2m, 3m

for duct attachment



Model Name	Spec.
Flexible Arm	Φ160
length	2m, 3m, 4m



Basic installation of air conditioning valve



Fixation is available with internal steel frame



Moveable depending on the angle of the steel



Optimum fume and dust collection capability and maneuverability



Available for various industrial sites



Excellent chemical resistance, heat resistance, weather resistance, and wear resistance

Multi-wind exterior arm selection available



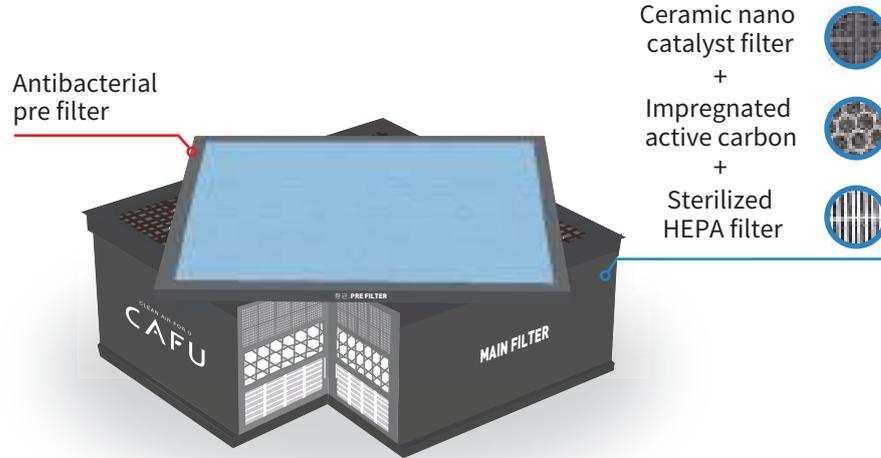
Photos of installation



Factory

Model name	Size
Flexible Arm	Φ160, Φ200
length	2m, 3m

Filter Specifications



1. PRE Filter

Filter Model	Compatible Models	Size	Replacement Cycle	Target Contaminants	Material
CWPF-221	CAFU-A01, B01, A12, A17, 20S, 20D, 27L, 27B, ROBA-03	220X220X10T	1month ★ CAFU-A01, B01, CWHA-TB08-00 : 150hours CAFU-A02 : 200hours (Run-time basis)	Pre-Filter Dust Removal	Antibacterial Nonwoven Fabric
CWPF-331	CAFU-A02, 05, A13, A20B, A20L, CWST-LE24-BD17(FD20), CWRC-M0MB(L)-D108, CWFH-M029-M112	330X330X10T			
CWPF-111	CAFU-A08, A10, CWHA-TB08-00	170X140X10T			
CWPF-341	CAFU-15, 23-01, 26	280X450X10T			Nonwoven Fabric
CWPRE-661	CAFU-A18	610X610X10T			
CWPF-331-N	CAFU-A14W	330X330X10T			
CWPF-541-N	CAFU-A22W	594X490X10T			

2. MAIN Filter

Filter Model	Compatible Models	Size	Replacement Cycle	Target Contaminants	Material
CWMF-2211	CAFU-A01, B01, A12, A17, 27L, 27B	220X220X110T	3-6month ★ CAFU-A01, B01, CWHA-TB08-00 : 300hours CAFU-A02 : 400hours (Run-time basis)	TVOC removal (toluene, formaldehyde, ammonia, etc.) + 0.3µm particle removal + sterilization treatment	Ceramic + Impregnated Activated Carbon + Synthetic Fiber + Antimicrobial Treatment
CWMF-337	CAFU-A20B, A20L, CWST-LE24-BD17(FD20) CWRC-M0MB(L)-D108, CWFH-M029-M112	330X330X70T			
CWMF-3314	CAFU-A02, 05, A13, A14(W)	330X330X140T			
CWMF-116	CAFU-A08, A10, CWHA-TB08-00	170X140X60T			
CWMF-346	CAFU-15, 23-01, 26	280X450X60T			
CWMF-665-AC+CWHEF-6612	CAFU-A18	카본 : 610X610X50T 헤파 : 610X610X120T			
CWMF-227	CAFU-20S, 20D, ROBA-03	220X220X70T			
CWCF-545-AL+CWHF-544-AL	CAFU-A22W	카본 : 594X490X50T 헤파 : 594X490X40T			
CWMF-235	CAFU-19N	270X320X50T			
CWMF-225	CAFU-27LD, 27BD, CWDC-M028-B1	220X220X50T			
CWMF-334-H	CAFU-21, 28	330X330X40T	Glass Fiber		
CWHF-594915	CAFU-22	594X490X140T			

3. Dust or Demister Filter

Filter Model	Filter Name	Compatible Models	Size	Replacement Cycle	Target Contaminants	Material
CWMF-3318-BS	BAG Filter	CAFU-A14	360X360X180X5p	Sensor Alert	Removes 95% of particles ≥1µm	Synthetic Fiber
CWDF-352	Demister Filter	CAFU-A14W	357X357X20T	Semi-permanent	Flame Particle Removal	SUS304(STS304)
CWMF-303518-BS	BAG Filter	CAFU-21	307X357X180X5p	Pressure ≥60 Pa	Removes 95% of particles ≥1µm	Synthetic Fiber
CWMF-6545-BS	BAG Filter	CAFU-22	600X500X450X5p	1/3 Dust Level	Removes 95% of particles ≥1µm	Synthetic Fiber
CWDF-562	Demister Filter	CAFU-A22W	500X600X20.5T	Semi-permanent	Flame Particle Removal	SUS304(STS304)
CWMF-3541	BAG Filter	CAFU-27LD, 27BD, 19N, CWDC-M028-B1	350X410XΦ73	1/3 Dust Level	Removes 95% of particles ≥1µm	Synthetic Fiber
CWMF-2222-BS	BAG Filter	CAFU-28	242X292X220X4P	Pressure ≥50 Pa (4-stage)	Removes 95% of particles ≥1µm	Synthetic Fiber

※Replacement interval may vary by environment.

※Damage from irregular filter replacement is not covered.

Test Report

1. 220 X 220 X 110T Filter – Hazardous Gas Removal Test Report

(Models : CAFU-A01, CAFU-B01, CAFU-A12, CAFU-A17, CAFU-20S, CAFU-20D, CAFU-27L(D), CAFU-27B(D), ROBA-03)

Test items	Unit	Test method	Test result	Test environment
Toluen, C ₆ H ₅ CH ₃	%	(1)	Over 99.5	(21 ± 2)°C (45 ± 5) % R. H.
Ammonia, NH ₃	%	(1)	Over 99.5	(21 ± 2)°C (45 ± 5) % R. H.
Xylene, C ₃ H ₁₀	%	(1)	Over 99.5	(21 ± 2)°C (45 ± 5) % R. H.
Formaldehyde, HCHO	%	(1)	Over 99.5	(21 ± 2)°C (45 ± 5) % R. H.
Acetic acid, CH ₃ COOH	%	(1)	Over 99.5	(21 ± 2)°C (45 ± 5) % R. H.

(Test agency : Korea Conformity Laboratories)

2. 330 X 330 X 140T Filter – Hazardous Gas Removal Test Report

(Models : CAFU-A02, CAFU-05, CAFU-A13, CAFU-A14(W))

Test items	Unit	Test method	Test result	Test environment
Toluen, C ₆ H ₅ CH ₃	%	(1)	Over 99.5	(21 ± 2)°C (45 ± 5) % R. H.
Ammonia, NH ₃	%	(1)	Over 99.5	(21 ± 2)°C (45 ± 5) % R. H.
Xylene, C ₃ H ₁₀	%	(1)	Over 99.5	(21 ± 2)°C (45 ± 5) % R. H.
Formaldehyde, HCHO	%	(1)	99	(21 ± 2)°C (45 ± 5) % R. H.
Acetic acid, CH ₃ COOH	%	(1)	Over 99.5	(21 ± 2)°C (45 ± 5) % R. H.

(Test agency : Korea Conformity Laboratories)

3. 330 X 330 X 70T Filter – Hazardous Gas Removal Test Report

(Models : CAFU-A20B, CAFU-A20L, CWST-LE24-BD17(FD20), CWRC-M0MB(L)-D108, CWFH-M029-M112)

Test items	Unit	Test method	Test result	Test environment
Acetic acid, CH ₃ COOH	%	(1)	Over 99.5	(21 ± 2)°C (45 ± 5) % R. H.
Acetaldehyde, CH ₃ CHO	%	(1)	91	(21 ± 2)°C (45 ± 5) % R. H.
Toluen, C ₆ H ₅ CH ₃	%	(1)	92	(22 ± 2)°C (45 ± 5) % R. H.
Ammonia, NH ₃	%	(1)	95	(21 ± 2)°C (45 ± 5) % R. H.
Xylene, C ₃ H ₁₀	%	(1)	Over 99.5	(21 ± 2)°C (45 ± 5) % R. H.
Formaldehyde, HCHO	%	(1)	Over 99.5	(21 ± 2)°C (45 ± 5) % R. H.

(Test agency : Korea Conformity Laboratories)

Test Report

4. 170 X 140 X 60T Filter – Hazardous Gas Removal Test Report

(Models : CAFU-A08, CAFU-A10, CWHA-TB08-00)

Test items	Unit	Test method	Test result	Test environment
Toluene, C ₆ H ₅ CH ₃ , 30min	%	(1)	96	(21 ± 1)°C, (45 ± 5) % R. H.
Toluene, C ₆ H ₅ CH ₃ , 60min	%	(1)	Over 99.5%	(21 ± 1)°C, (45 ± 5) % R. H.
Toluene, C ₆ H ₅ CH ₃ , 90min	%	(1)	Over 99.5%	(21 ± 1)°C, (45 ± 5) % R. H.
Toluene, C ₆ H ₅ CH ₃ , 120min	%	(1)	Over 99.5%	(21 ± 1)°C, (45 ± 5) % R. H.
Acetic acid, CH ₃ COOH, 30min	%	(1)	99	(21 ± 1)°C, (45 ± 5) % R. H.
Acetic acid, CH ₃ COOH, 60min	%	(1)	Over 99.5%	(21 ± 1)°C, (45 ± 5) % R. H.
Acetic acid, CH ₃ COOH, 90min	%	(1)	Over 99.5%	(21 ± 1)°C, (45 ± 5) % R. H.
Acetic acid, CH ₃ COOH, 120min	%	(1)	Over 99.5%	(21 ± 1)°C, (45 ± 5) % R. H.
Formaldehyde, HCHO, 30min	%	(1)	99	(21 ± 1)°C, (45 ± 5) % R. H.
Formaldehyde, HCHO, 60min	%	(1)	Over 99.5%	(21 ± 1)°C, (45 ± 5) % R. H.
Formaldehyde, HCHO, 90min	%	(1)	Over 99.5%	(21 ± 1)°C, (45 ± 5) % R. H.
Formaldehyde, HCHO, 120min	%	(1)	Over 99.5%	(21 ± 1)°C, (45 ± 5) % R. H.

(Test agency: Korea Conformity Laboratories)

5. 280 X 450 X 70T Filter – Hazardous Gas Removal Test Report

((Models : CAFU-15, CAFU-23-01, CAFU-26)

Test items	Unit	Test method	Test result	Test environment
Ammonia, NH ₃	%	(1)	97	(21 ± 1)°C, (45 ± 5) % R. H.
Acetic acid, CH ₃ COOH	%	(1)	99	(21 ± 1)°C, (45 ± 5) % R. H.
Formaldehyde, HCHO	%	(1)	96	(21 ± 1)°C, (45 ± 5) % R. H.
Toluene, C ₆ H ₅ CH ₃	%	(1)	Over 99.5%	(21 ± 1)°C, (45 ± 5) % R. H.

(Test agency: Korea Conformity Laboratories)

Test Report

6. Test Report for Sterilizing HEPA Filter

Test items		Test result			How to test	Test environment
		Density before operation (CFU/m ³)	Density after operation (CFU/m ³)	Bacterial reduction rate (%)		
Reduction test for airborne microbe	Air purifier with copper filter	1.3 x 10	< 10	99.9	Suggested by a client	(22.9 ± 0.1) °C (50.2 ± 0.2) % R.H.

(Test agency: Korea Testing Certification)

7. Copper Emission Test

Test items	Unit	Application criteria	Result	How to test
Copper and its compounds	mg	70 as copper	0	Regulations on the standards and methods for testing and inspection of living chemical products subject to safety verification [National Institute of Environmental Research Notice No. 2022-26 (2022.6.15)]

(Test agency : FITI Testing Researcher)

8. Bacterial Reduction Rate of Photocatalytic Filter

Test items		Test result			How to test	Test environment
		Density before operation (CFU/m ³)	Density after operation (CFU/m ³)	Bacterial reduction rate (%)		
Reduction test for floating virus	Bacteriophage Phi-X174	2.8 x 10 ⁴	< 10	99.9	Suggested by a client	(23.0 ± 0.2) °C (50.5 ± 3.0) % R.H.
	Bacteriophage MS2	3.2 x 10 ⁴	< 10	99.9	Suggested by a client	(23.0 ± 0.2) °C (50.7 ± 2.0) % R.H.
Reduction test for airborne microbe	Blue mold	1.6 x 10 ⁴	< 10	99.9	Suggested by a client	(23.0 ± 0.2) °C (50.0 ± 0.5) % R.H.

(Test agency: Korea Testing Certification)



9. Photocatalytic Filter UV-A Ozone Test (Test Report number: T2019-00735)

Test items	How to test	Test standard	Test result
Ozone density	1) Place a product inside a test room according to KS C IEC 60335-2-65, and apply the rated voltage 2) Place an ozone sampling tube in the air as 50mm far from the device ozone occurrence point 3) Measure the maximum ozone density occurred for 24 hours	Measured value	0.001 μmol/mol

(Test agency: Korea Testing Certification)



CLEAN AIR FOR U

Room of Blue Air



Tel. +82-31-365-3630 Fax. +82-31-365-3631 Email. order@cwcnt.co.kr

Address. Na-dong (Wonsi-dong), 290 Haean-ro, Danwon-gu, Ansan-si, Gyeonggi-do, South Korea

CAFU. Web | www.cwcnt.com Blog | blog.naver.com/cwcnt Instagram | @cwcnt_official

ROBA. Web | www.airroba.com Blog | blog.naver.com/cwcnt00 Instagram | @air_roba



Online Exhibition



Website