



PURICIRCUL_AIR

AIR -TIGHT REAGENT SAFETY CABINET

Air-tight reagent safety cabinet for isolating reagent which generates harmful gases.

- Personnel, environmental protection
- 100% recirculated

● ● ● STANDARD SPECIFICATION

Model		PURICIRCUL 600 AIRTIGHT
Size	Inner(W x D x H)mm	640 x 658 x 1626
	Out(W x D x H)mm	740x737 x 2043
	Weight(Kg)	196
Controller		Standard : LED lamp, blower On/Pff Switch
Door		Two-sided tempered safety glass
Inside Material		Epoxy powder coated steel plate
Outside Material		Epoxy powder coated steel plate
Temperature	Filter Check Cartridge	Filter life time check
	Pre Filter	Polyester filbers
	Carbon Filter	Hybrid carbon filter (ACID+NH ₃ +VOCs)
Shelf		PVC coated wire shelves 4EA (Total 6EA available)
Door Locker		Dial key lock
Lamp		LED lamp
Power	230V ±10%, 60Hz, 1Phase	
	230V ±10%, 50Hz, 1Phase	
Power Consumption		20W
Safety		Fuse installed noise filter

● ● ● MAIN FEATURE

● Realizing safe environment in laboratory

To prevent accident which may be caused by aerosol generated from chemicals and reagent being treated in laboratory, the cabinet isolates and purifies harmful gases through carbon filter equipped.

● Various filter options depending on chemicals being handled

- Optional HEPA filter captures 0.3 μm particles with 99.995% efficiency.
- Optional ion cluster eliminates virus, fungus and odor through oxidation.

● Filter check cartridge showing actual filter condition

It is easy to recognize filter condition according to degree of saturation and pollution of filter, and convince safety before using the hood.

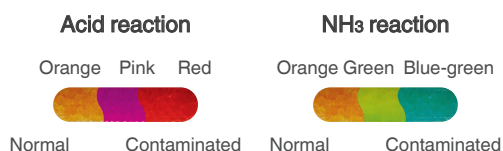
● Optimized structure for safety

Bottom tray located in below the lowest shelf collects leakage in case reagent containers fall down or spill.

● ● ● FEATURE PLUS

● Function of filter check cartridge

Filter condition can be easily monitored before using the cabinet. According to indicative discoloration as shown below, users are able to estimate filter replacement time.



● CRYSTE hybrid carbon filter

- 3 in 1 filtration removing
- Acid/NH₃/VOCs simultaneously

VOCs	Carcinogen
Methylene Chloride, Tetrachloromethylene, xylene	Benzene, carbon chloride, formaldehyde, Trichloroethylene, etc.
Others	Harmful substance (acid, alkali)
Bacteria, fungi, minute dust, foul air, etc	NH ₃ , H ₂ S, HCHF, SO _x , NO _x , Acid

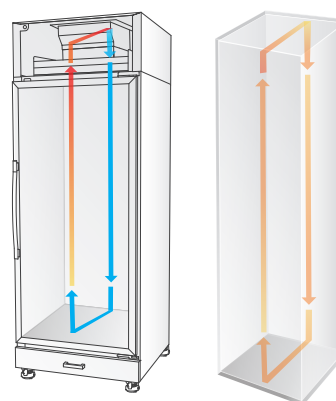
● ● ● SAFE GUARD

● Purification of hybrid carbon filter

- Chemical gases generated inside the cabinet are drawn to upper plenum chamber by in-built blower after filtered through the carbon filter. The 100% of filtered air is re-circulated.
- Performance of carbon filter has been officially verified by Korea Institute of Machinery & Materials. (99.8% filtering efficiency, Test report: KIMM-14-1112)

Flow Dynamics

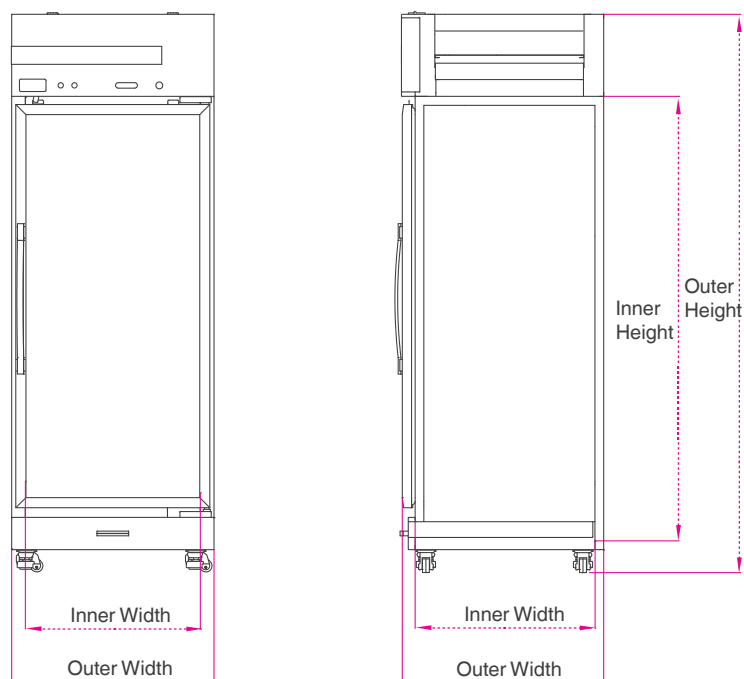
- Contaminated air
- Filtered air



● ● ● PART DESCRIPTION



● ● ● DIMENSIONAL INFORMATION



● ● ● ORDER INFORMATION

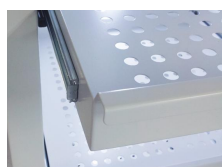
DIVISION	ITEM	ORDER CODE
		PURICIRCUL 600 AIRTIGHT
PRODUCT	Main Body	PCC-6-A-MB
OPTION	● To Sliding Drawer(Perforated, 4EA/set)	PCC-6-A-OP1
	Add. Wire Shelf	PCC-6-A-OP2
	Add. Sliding Drawer(Perforated)	PCC-6-A-OP3
	HEPA Filter	PCC-6-A-OP4
	Ion Cluster	PCC-6-A-OP5
SPARE	Hybrid Filter(Acid+NH3+VOCs)	PCC-6-A-SP1
	HEPA Filter	PCC-6-A-SP2
	Pre Filter	PCC-6-A-SP3

● These options must be ordered before confirmation of order because it's not possible to modify later

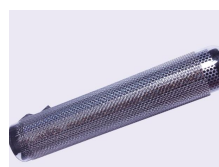
● ● ● OPTIONAL ACCESSORIES



HEPA Filter



Sliding Drawer



Ion Cluster