



PURIFUME_DUCTLESS DUCTLESS FUME HOOD

Ductless fume hood re-circulates air in laboratory by filtering harmful particles and gases to be generated during experiment.

- Portable ductless fume hood

••• STANDARD SPECIFICATION

Model		PURIFUME_DUCTLESS 900	PURIFUME_DUCTLESS 1200
Size	Inner(W x D x H)mm	900 x 625 x 790	1200 x 625 x 790
	Out(W x D x H)mm	920 x 660 x 1830	1220 x 660 x 1830
	Weight(Kg)	130	170
	Base Stand(mm)	Stand 730 (Included Caster 82)	
Controller		Standard : LED lamp, blower On/Off Switch	
Inside Material		Transparent acrylic	
Outside Material		Epoxy powder coated steel plate	
Worktop Material		Phenol laminate	
Filter	Filter Check Cartridge	Filter life time check	
	Pre Filter	Polyester fibers	
	Carbon Filter	Hybrid carbon filter(ACID+NH3 +VOCs)	
Airflow Velocity		0.30 ~ 0.70 m/s	
Inlet Hole		100Ø inlet hole	
Lamp		LED lamp	
Noise (dB)		<60dB	
Brightness (Lux)		>700	
Power		AC 230V, 60Hz, 1Phase	
		AC 230V, 50Hz, 1Phase	
Power Consumption		35W	
Safety		Fuse installed noise filter	

● ● ● **MAIN FEATURE**

● **Filtering type movable fume hood without requiring certain space nor ducting system**

Hazardous gases and particles generated during experiment are discharged to laboratory after filtered to maintain laboratory clean.

● **Robust and durable materials**

Transparent PMMA having resistance to week acid/alkali is applied and also chemical / heat / moisture resistant phenolic laminate worktop is adopted as a standard.

● **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.

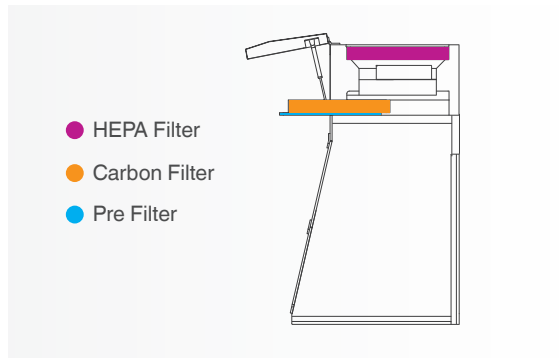
● **Quiet to keep laboratory silent**

Thanks to less noisy blower, it maintains laboratory environment quiet while airflow pattern is guaranteed.

● ● ● **FEATURE PLUS**

● **Easy Maintenance of Filter**

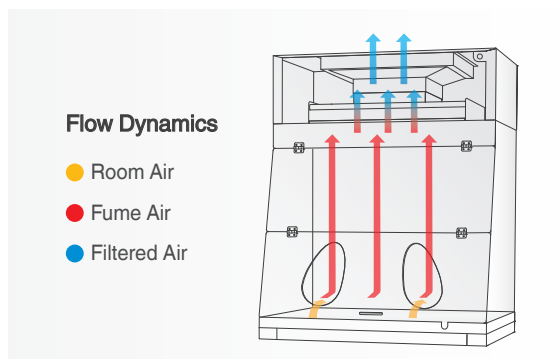
Filter can be replaced in a simple way through cartridge type of filter



● ● ● **SAFE GUARD**

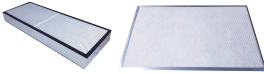
● **Hybrid carbon filter eliminating various type of aerosol**

- Carbon filter is equipped to get rid of harmful gas, acid/alkaline particles and volatile organic compound (VOCs).
- Performance of carbon filter has been officially verified by Korea Institute of Machinery & Materials. (99.8% filtering efficiency, Test report: KIMM-14-1112)



● ● ● PART DESCRIPTION

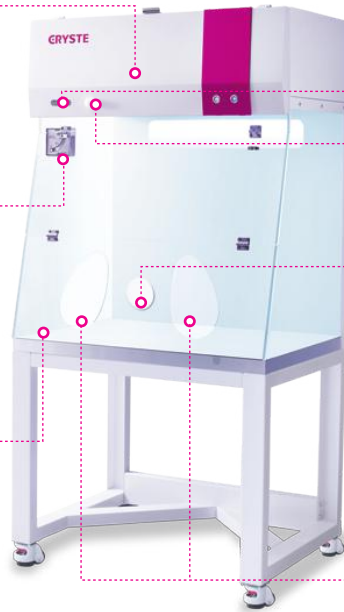
Standard filter set
Hybrid carbon filter and pre filter included



Analog air velocity monitor
Simple access to check



Phenolic laminate worktop



Filter check cartridge

Discolored depending filter condition



Sampling port

Inner air can be sampled to verify actual filter condition.

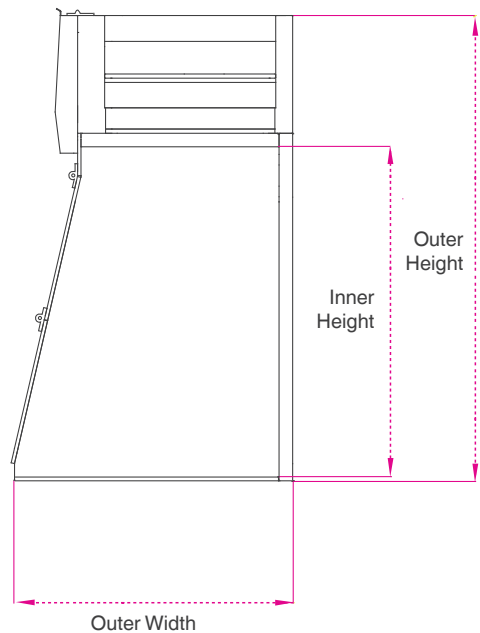
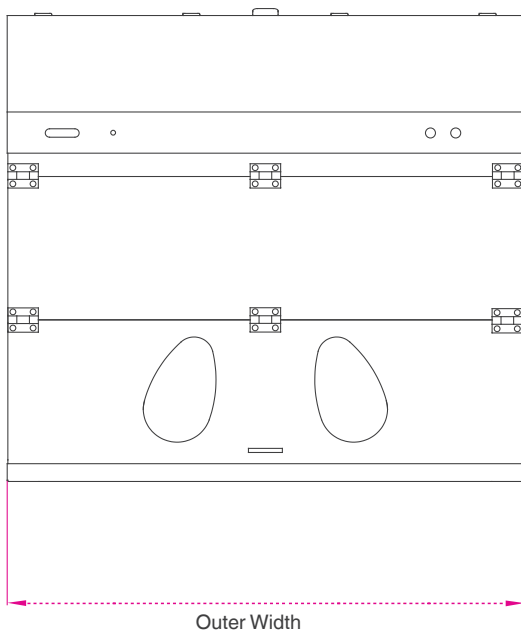


Utility cable hole for laboratory appliances



Hand Passage

● ● ● DIMENSIONAL INFORMATION



● ● ● ORDER INFORMATION

DIVISION	ITEM	ORDER CODE	
		PURIFUME_DUCTLESS 900	PURIFUME_DUCTLESS 1200
PRODUCT	Main Body	PFD-9-MB	PFD-12-MB
OPTION	Change To Acid+VOCs Filter	PFD-9-OP1	PFD-12-OP1
	Change To NH3+VOCs Filter	PFD-9-OP2	PFD-12-OP2
	HEPA Filter	PFD-9-OP3	PFD-12-OP3
	Without Stand	PFD-9-OP4	PFD-12-OP4
	● CUP Sink & Trap(PP)	PFD-9-OP5	PFD-12-OP5
	● Square Sink & Trap(PP)	PFD-9-OP6	PFD-12-OP6
	● Gas Valve & Cock	PFD-9-OP7	PFD-12-OP7
	● Water Valve & Cock	PFD-9-OP8	PFD-12-OP8
	● Add. Inlet Hole	PFD-9-OP9	PFD-12-OP9
SPARE	Hybrid Filter(Acid+NH3+VOCs)	PFD-9-SP1	PFD-12-SP1
	Acid+VOCs Filter	PFD-9-SP2	PFD-12-SP2
	NH3+VOCs Filter	PFD-9-SP3	PFD-12-SP3
	Cup Sink(PP)	PFD-9-SP4	PFD-12-SP4
	Square Sink(PP)	PFD-9-SP5	PFD-12-SP5
	Trap(PP)	PFD-9-SP6	PFD-12-SP6
	Gas Valve	PFD-9-SP7	PFD-12-SP7
	Gas Cock	PFD-9-SP8	PFD-12-SP8
	Water Valve	PFD-9-SP9	PFD-12-SP9
	Water Cock	PFD-9-SP10	PFD-12-SP10
	ON/OFF Switch	PFD-9-SP11	PFD-12-SP11
	LED Switch	PFD-9-SP12	PFD-12-SP12

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

● ● ● OPTIONAL ACCESSORIES



ULPA Filter



Square Sink



Cup Sink