

AVTECH



LamiFlow Series

Laminar Flow Cabinet

A choice of safety,
intelligence and value for routine applications

LamiFlow

The PuriFlow series laminar flow cabinets offer safety, intelligence and value to users. The cabinet is energy efficient and provides excellent product protection from contamination. Both vertical and horizontal types are available for various applications.



Vertical



Horizontal



Performance

- Advanced ECM blower, energy efficient and lower noise
- Constant Air Volume (CAV) and Constant Pressure Apheresis System (CPAS) technology for automatic airflow compensation
- H14 HEPA filter creates ISO Class 5 cleanliness workspace



Intelligent

- Touch screen displays real-time velocity, pressure, temperature, humidity
- Dual UV-timer & UV lamp working time display
- HEPA filter working time display & filter life indicator alert



Ergonomic design

- Glass side walls creating all-round vision
- 10° sloped front for ergonomics
- SUS304 working tray for easy cleaning
- Lockable casters for convenient moving



H14 HEPA filter

Touch screen with WiseFlow operating system

ECM blower

Programmable UV lamp

Socket at both left and right part of rear wall
(vertical type only)

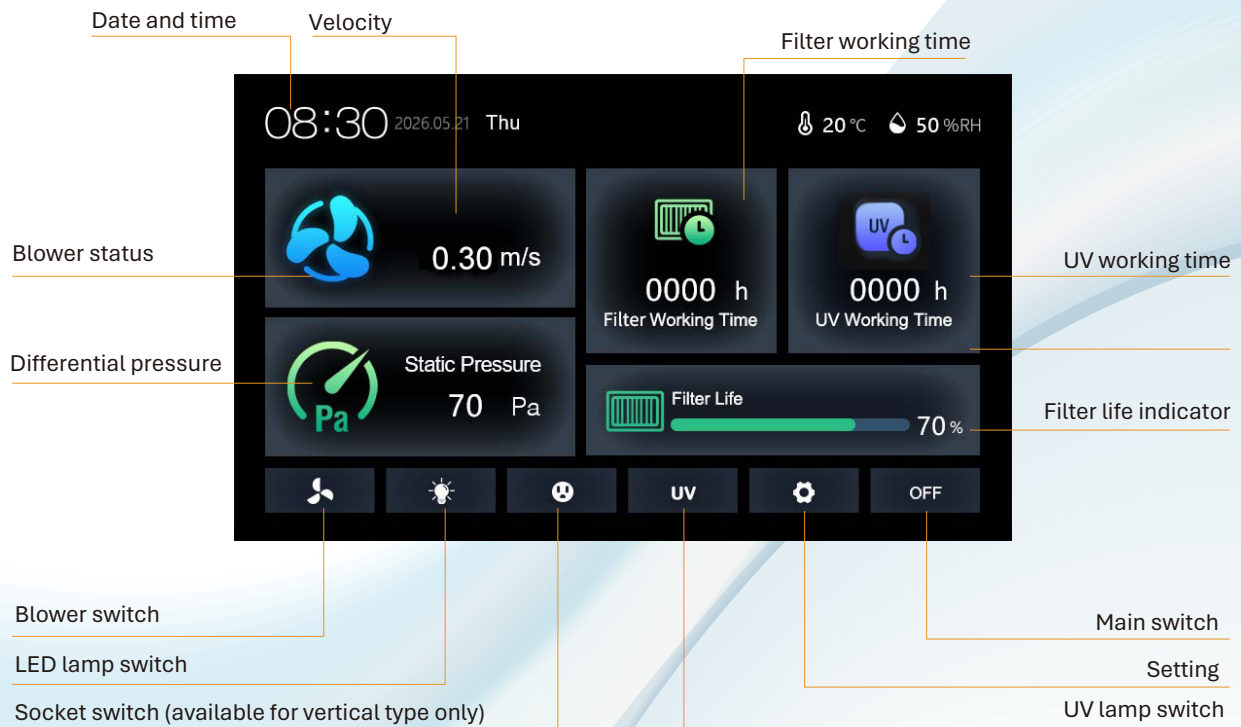
Glass side walls

10° sloped front for ergonomics

Lockable casters

WiseFlow operating system

- Touch screen, real-time display of temperature, humidity, UV lamp & filter working hours
- Intelligent constant airflow control system
- Visible and audible alarm
- Timing function for unit and UV lamp
- Password protection prevents unauthorized access



Select optional accessories for your application

Accessory	Description	Cat. No.
User Convenience Equipment	IV bag holder kit with 10 hooks	3134300
Sidewall Utilities	Gas valve	3132100
	Vacuum valve	3132200
	Water valve	3132300

Technical specifications

Model		LF-V3	LF-V4	LF-H5
Airflow	Airflow pattern	Vertical	Vertical	Horizontal
	Velocity	Adjustable from 0.25m/s-0.40m/s		
Dimensions & weight	Nominal size	3 feet	4 feet	5 feet
	External with support stand (W x D x H)	mm 1000×720×1780	1500×720×1780	1700×760×1970
	External without support stand (W x D x H)	mm 1000×720×1095	1500×720×1095	1700×760×1170
	Internal (W x D x H)	mm 900×620×600	1400×620×600	1600×535×720
	Usable working area	m ² 0.56	0.87	0.86
	Working height of sash	mm 190~330	190~330	/
	Maximum opening height of front window	mm 520	520	/
	Net weight	kg 125	175	175
Control	Display & control	4.3" Touch Screen		
	Ambient temperature display	●	●	●
	Ambient humidity display	●	●	●
	UV lamp working time display	●	●	●
	Filter working time display	●	●	●
	Filter life indicator	●	●	●
	Smart constant airflow	●	●	●
	Cabinet ON/OFF timer	●	●	●
	UV timer	●	●	●
	Password protection	●	●	●
RS485 port	○	○	○	
Alarm	Alarm type	Visible and audible alarm		
	Velocity abnormal	●	●	●
	Sash too height/low	●	●	●
	Filter life alert	●	●	●
Electric	Power supply	220V, 50Hz; 220V, 60Hz; 110V 60Hz		
	Rated power	W 300	450	450
	Rated current	A 1	2	2
	LED lamp	W 12×1	14×1	14×1
	UV lamp	W 20×1	30×1	30×1
	Receptacle	2, total 1320W, 6A	2, total 1320W, 6A	/
Cleanliness	Filter	H14, ≥99.995% @0.3μm		
	Pre-filter	Washable Pre-filter		
	Cleanliness grade	ISO class 5		
	Concentration of descending bacteria	≤ 0.5cfu/0.5h (φ90mm Petri dish)		
Light & Noise	Illumination	lx 800	700	700
	Noise *	dB(A) 55	55	60
Material	Blower	DC ECM blower		
	Working tray	1.5 mm thickness SUS 304		
	Side walls	6mm glass Anti-UV exporue		
	Main body	Spraying coated steel		
	Front sash glass	Tempered glass, UV-proof, 6mm		
	Stand	Spraying coated steel		
	Casters	4	4	4
Shipping	Packing size, plywood case (W x D x H)	mm 110 x 820 x 1970	1610 x 820 x 1970	1830 x 890 x 2160
	Gross weight, plywood case	kg 180	235	235

* Noise under velocity: 0.25 m/s

● Basic equipment ○ Optional



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