

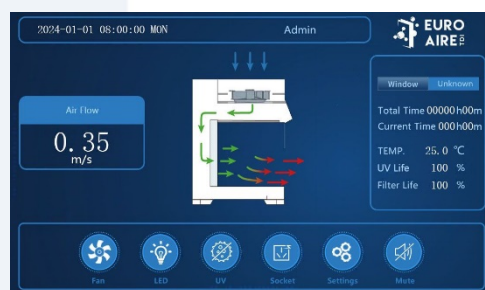
HORIZONTAL LAMINAR FLOW CABINET

FLH-PF Models

Complete protection for work materials

Features

- Equipped with an overload-protected, exceptionally quiet centrifugal motor.
- Recirculated air is filtered through a HEPA H14 absolute filter (99.995% efficiency at MPPS, EN1822 standard) and delivered to the work area at a velocity of 0.50 m/s $\pm$ 0.1. Includes a pre-filter to extend the life of the main filter.
- The work area maintains laminar flow conditions with air purity of ISO Class 4 (according to ISO 14644) or Class 10 (according to Fed. Std. 209).
- The unit is equipped with a sliding front glass panel.
- Work surface constructed of AISI 304 stainless steel.
- Microprocessor-controlled cabinet with updatable FLASH memory and an external display for easy viewing of cabinet control parameters (speeds, flow rates, and plenum pressure)
- The cabinet is equipped with an easy-to-use touch panel for controlling white/ultraviolet lighting, an internal power outlet, a gas valve (optional), and parameters.
- Automatic electronic motor speed control system to adapt to progressive filter saturation and safety conditions.
- Side windows.
- LED and ultraviolet lighting.
- Operating voltage 220 V 50 Hz, maximum current consumption 2 A. (approx. 500 W).



- The cabinet comes standard with a UV light; 2 electrical outlets rated at 110-220 volts, IP 55 rating, for 1000 W each (total 2,000 W).

Optional accessories:

- Gas and vacuum outlets.
- Internal rail with hangers
- G3 pre-filter
- Support table.



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HORIZONTAL LAMINAR FLOW CABINET

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Technical Specifications

MODEL		FLH-PF-1100	FLH-PF-1300	FLH-PF-1600	FLH-PF-1900
Dimensions mm width x depth x height	Work area	950*490*574	1220*490*574	1525*490*574	1830*490*574
	Outdoor	1050*805*1950	1320*805*1950	1625*805*1950	1930*805*1950
	Transport	1190*1010*1425	1460 x 1010 x 1425	1765*1010*1425	2070*1010*1425
Weight (kg)		220	260	300	340
Height to work surface		900 mm			
Cab Construction Material	Work area and work surface	AISI 304 stainless steel (AISI 316L optional)			
	Cab body	Electro-galvanized steel with antimicrobial powder coating			
	Front Glass	Manual, double-pane laminated tempered glass ≥ 5mm. UV-resistant.			
	Side glass	UV-resistant tempered glass, 5 mm			
Control system	Display	LED touchscreen. Microprocessor with Flash memory			
	Exclusion system	Front glass panel prevents UV light and motor from turning on			
	Filter life indicator	HEPA filter life indicators			
Filtration System	Main Filter	HEPA H14 absolute filter with 99.995% efficiency at 0.3 microparts per million (mpps) according to EN 1822			
	Pre-filter	1 G3 PRE-FILTER			
	Air purity classification	Class 10			
Laminar flow		0.3 - 0.50 m/s			
Electrical system	Voltage	220 V/50 Hz Optional 110 V/60 Hz			
	Maximum Power Consumption	160 W	170 W	300 W	310 W
		Does not include power consumption from the power outlet			
	UV lamp	20 W x 1	30W x 1	30W x 1	18W x 2
		254-nanometer emission for more efficient decontamination, UV life indicator, UV timer			
Lighting	Dimmable LED lamp	6.5W x 1	9.6W x 1	9.6W x 1	6.5W x 2
		≥900 lx			
Noise emission		≤60 dB(A)			
Standard Accessories		1. HEPA filter; 2. LCD touchscreen; 3. LED lamp; 4. UV lamp; 5. Sealed sockets x 2.			
Optional Accessories		1. Base stand, legs with wheels and brakes; 2. Gas/vacuum valve; 3. Bar with hooks.			

"All information, specifications, dimensions, and electrical data shown in TDI's commercial documents and data sheets are for reference only and are not binding; therefore, they are subject to change according to each customer's needs and provided that applicable regulations permit it."

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HORIZONTAL LAMINAR FLOW CABINET

FLH-PF Models

Order References

Code	Description
440206-FLH-PF-1100	FLH Model 1100 Horizontal Laminar Flow Cabinet FRONT PANEL
440206-FLH-PF-1300	FLH Model 1300 Horizontal Laminar Flow Cabinet with Front Panel
440206-FLH-PF-1600	FLH Model 1500 Horizontal Laminar Flow Cabinet FRONT PANEL
440206-FLH-PF-1900	FLH Model 1800 Horizontal Laminar Flow Cabinet with FRONT PANEL

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