

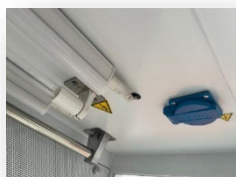
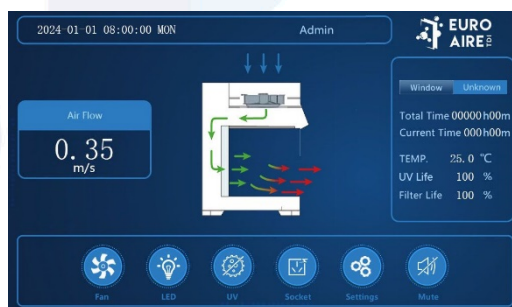
HORIZONTAL LAMINAR FLOW CABINET

FLH Models 1100/1300/1500/1800

Complete protection for work materials.

Features

- Equipped with an overload-protected, exceptionally quiet centrifugal motor.
- Recirculated air is filtered through an H14 HEPA absolute filter (99.995% efficiency at MPPS, EN1822 standard) and delivered to the work area at a velocity of 0.5 m/s \pm 0.1.
- The work area maintains laminar flow conditions with ISO 5 air purity (according to ISO 14644) or Class 100 (according to Fed. Std. 209).
- Work surface constructed of AISI 304 stainless steel.
- Microprocessor-controlled cabinet with updatable FLASH memory and an external display for easy viewing of the cabinet's 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.
- Operating voltage 220 V 50 Hz. Maximum current consumption 2 A. (approx. 500 W)
- LED and ultraviolet lighting.
- The cabin comes standard with a UV light; 2 IP 55-rated 110-220-volt electrical outlets for 1,000 W each (total 2,000 W).



Optional Accessories:

- Base stand, legs with wheels and brakes;
- Gas/vacuum valve;
- Bar with hooks;
- Speed sensor

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Technical Specifications

MODEL		FLH-1100	FLH-1300	FLH-1500	FLH-1800
Dimensions mm width x depth x height	Working area	1020*510*620	1220*510*620	1420*510*620	1720*510*620
	Outdoor	1100*750*1750	1300*750*1750	1500*750*1750	1800*750*1750
	Transport	1240*930*1255	1440*930*1255	1640*930*1255	1940*930*1255
Weight (kg)		210	230	260	290
Height to work surface		900 mm			
Construction material	Work surface	AISI 304 stainless steel (AISI 316L optional)			
	Cab body	Electro-galvanized steel with antimicrobial powder coating			
	Side glass	5 mm tempered, UV-resistant.			
Control system		Microprocessor with Flash memory, LCD touchscreen			
Laminar flow		0.30 -- 0.50 m/s			
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 100 ISO 5			
Electrical system	Voltage	220 V/50 Hz Optional: 110 V/60 Hz			
	Maximum Power Consumption	160 W	170 W	300 W	310 W
	UV lamp	Does not include power consumption from the power outlet			
	LED lamp	20W x 1	30W x 1	30W x 1	18W x 2
		254-nanometer emission for more efficient decontamination, UV life indicator, UV timer			
Lighting		≥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; 4. Speed sensor.			

"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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Order References

Code	Description
440206-FLH-1100	FLH Model 1100 Horizontal Laminar Flow Cabinet
440206-FLH-1300	FLH Model 1100 Horizontal Laminar Flow Cabinet
440206-FLH-1500	FLH Model 1500 Horizontal Laminar Flow Cabinet
440206-FLH-1800	FLH Model 1800 Horizontal Laminar Flow Cabinet

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