FOUR-MODEL PRODUCT FAMILY

HORIZONTAL LAMINAR FLOW

H1100 / H1500: open front. H1300 / H1800: motorized front window. Product protection for suitable non-hazardous work.





OPEN-FRONT FAMILY

H1100 / H1500
0.30-0.45 m/s / 59.1-88.6 ft/min

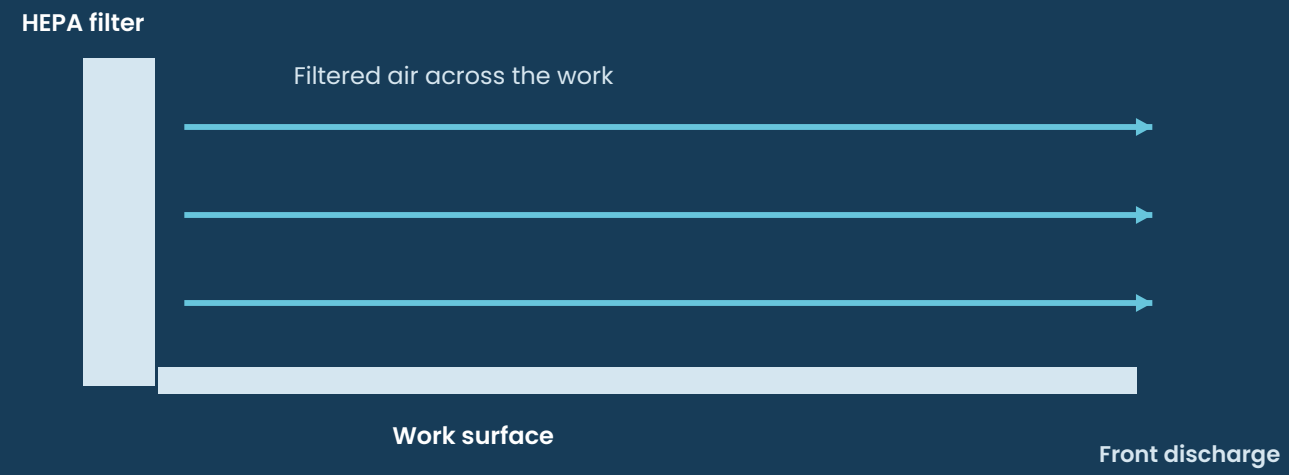
MOTORIZED-WINDOW FAMILY

H1300 / H1800
0.30-0.50 m/s / 59.1-98.4 ft/min

H1100	H1500	H1300	H1800
1000 mm	1400 mm	1200 mm	1700 mm
39.37 in inside	55.12 in inside	47.24 in inside	66.93 in inside

TWO FAMILIES. ONE FLOW DIRECTION.

Horizontal clean air travels from the rear filter across the work surface toward the open front.



HORIZONTAL HEPA-FILTERED AIRFLOW

H1100 / H1500

Open-front access for unobstructed reach. Interior height: 600 mm / 23.62 in.

H1300 / H1800

Motorized front window; maximum opening 430 mm / 16.93 in. Interior heights: 570 mm / 22.44 in.

COMPARE INTERNAL WIDTHS



Designed for product protection in non-hazardous work, with HEPA-filtered air flowing horizontally across the work surface.

FOUR MODELS. CLEAR COMPARISON.

Compare working areas, cabinet dimensions and shipping weights. Dimension order: W × D × H.

Parameter	H1100	H1500	H1300	H1800
External size	1100 × 808 × 1690 mm 43.31 × 31.81 × 66.54 in	1500 × 808 × 1690 mm 59.06 × 31.81 × 66.54 in	1300 × 825 × 2040 mm 51.18 × 32.48 × 80.31 in	1800 × 820 × 2070 mm 70.87 × 32.28 × 81.50 in
Internal size	1000 × 500 × 600 mm 39.37 × 19.69 × 23.62 in	1400 × 500 × 600 mm 55.12 × 19.69 × 23.62 in	1200 × 500 × 570 mm 47.24 × 19.69 × 22.44 in	1700 × 500 × 570 mm 66.93 × 19.69 × 22.44 in
Work surface height	750 mm 29.53 in	750 mm 29.53 in	750 mm 29.53 in	750 mm 29.53 in
Maximum opening	Open front / N.A.	Open front / N.A.	430 mm 16.93 in	430 mm 16.93 in
Gross weight	175 kg 385.8 lb	216 kg 476.2 lb	228 kg 502.7 lb	306 kg 674.6 lb
Package size	1250 × 1050 × 1350 mm 49.21 × 41.34 × 53.15 in	1650 × 1050 × 1350 mm 64.96 × 41.34 × 53.15 in	1450 × 1060 × 1650 mm 57.09 × 41.73 × 64.96 in	1950 × 1030 × 1540 mm 76.77 × 40.55 × 60.63 in
Average airflow	0.3-0.45m/s 59.1-88.6 ft/min	0.3-0.45m/s 59.1-88.6 ft/min	0.3-0.5m/s 59.1-98.4 ft/min	0.3-0.5m/s 59.1-98.4 ft/min
Front window	Open front / N.A.	Open front / N.A.	Motorized	Motorized

OPEN FRONT	MOTORIZED WINDOW	HEPA FILTRATION	LCD CONTROLS
H1100 / H1500	**H1300 / H1800**	**99.999% at 0.3 µm**	**Airflow and timers**

POWER, FILTRATION & CONTROLS

Model-specific power and lighting, with shared filtration and control features.

Electrical specification	H1100	H1500	H1300	H1800
Power consumption	200W	300W	400W	450W
LED lamp	12W×1	16W×1	12W×1	16W×1
UV light	Yes	Yes	Yes	Yes

Technical parameter	Specification
HEPA filtration	99.999% efficiency at 0.3 μm. Damp-proof, fire-proof glass-fiber filter media.
Work-zone classification	ISO Class 5 / Class 100.
Pre-filter	Washable polyester fiber.
Noise	<65 dB.
Control display	LCD: airflow velocity, UV timer, UV work time, system work time and real time.
Voltage choices	110 V or 220 V versions.
Build / supplied items	Transparent side glass; recessed LED lighting; two waterproof side sockets; base stand included.

UV FUNCTIONS

253.7 nm UV emission, a start-up delay and a lighting / UV interlock support controlled UV cycles.

CONTROL THE WORK. PLAN THE UPKEEP.

Integrated controls and filter-life monitoring support routine laboratory work.

LCD status

Read airflow velocity, UV timer, UV accumulated operating time, system operating time and the real-time clock.

Lighting & UV

Recessed LED lighting, a UV start-up delay and a lighting / UV interlock.

Work-zone visibility

Transparent side glass improves visibility. Choose open-front or motorized-window access by model family.

Practical installation

Two waterproof side sockets and an included base stand provide practical support for daily use.

FILTER LIFE MONITORING

A 3,500-hour filter replacement alarm and a 5,000-hour rated filter life help plan maintenance around laboratory schedules.



0 h	3,500 h	5,000 h
New filter	Replacement alarm	Rated life

LORDERAN SUPPORT

3-year worldwide warranty, with model-specific documentation for installation, operation and maintenance.