

Telstar® H-100

Horizontal Laminar Flow Benches



Telstar H-100 Series

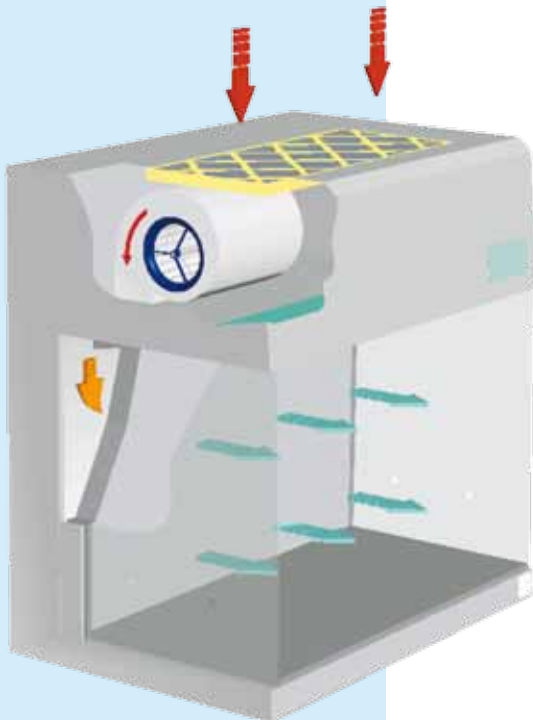
Horizontal Laminar Flow Benches



A wide and high working space is continuously flushed frontward by a particle free HEPA filtered and laminar airflow. The frontward airflow speed prevents contamination from operator and lab environment. The laminarity of the flow prevents cross contamination between the items handled in the working space. Horizontal Laminar Flow Benches then offer the highest product protection possible in an open system. It makes them particularly suitable for the handling of non hazardous products, sensible to dust and/or to contamination such as injectable medicines, cell and tissue cultures, food sample preparation for sterility testing as well as micromechanics, optics, electronics.

Telstar H-100 Series units features, options and accessories are particularly well adapted to hospital, control laboratories and life science environments.

All models are supplied with working area Class 10 as defined by U.S.Fed. Std. 209 and B.S. 5295.



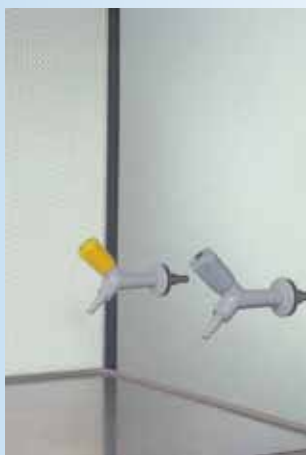
General Features

- Cabinet frame is made of epoxy powder coated finish zinc steel.
- Minimized width and height are compatible with all laboratory doors and dimensions.
- Easy access to main filter from the chamber, for replacement.
- Removable tempered glass chamber sides.
- Polished stainless steel one piece working tray.

Control System

Telstar H-100 Series units are equipped with an intuitive electronic control system which offers fast and complete control over all cabinet functions.

- Alphanumerical LCD display (1) indicates:
 - Airflow status: Full speed or half speed.
 - U.V. count down timer
 - Total running hours of the cabinet and UV light running hours.
- Function scrolling keys (2).
- Full speed/half speed selection key with LED (3).
- Light ON/OFF key and LED (4).
- UV Light ON/OFF key and LED (5).
- Activation key of optional electrical equipment (6).
- Filter clogging alarm LED, optional (7).
- UV "ON" alarm LED, optional (8).



Gas and vacuum taps (optional)



Working bench in stainless steel, easy to clean



Easy access to electronic control board

Technical Data

DESCRIPTION	UNIT.	AH-100	MH-100	BH-100
External dimensions	W (mm)	1260	1565	1870
	D (mm)	845	845	845
	H (mm)	1290	1290	1290
Internal dimensions	W (mm)	1200	1505	1810
	D (mm)	600	600	600
	H (mm)	760	760	760
Flow / Air speed	m ³ /h - m/s	1250 - 0.40	1575 - 0.40	1900 - 0.40
Power / Weight	kW / kg	0.5 / 140	1.0 / 160	1.0 / 190
Lighting	lux	> 1000 lux		
Noise level	dB (A)	< 61		
Filters	HEPA/ULPA H14	Efficiency: > 99.999 % (DOP) Class 10		
Fans		Centrifugal high efficiency with speed regulation		
Supply		220 V - 50 Hz single ph (other upon requirement)		

Available Options

- Support table to keep lab bench space available.
- U.V. light kit as permanent installation in the cabinet for chamber sterilization.
- Gas and/or vacuum taps: 2 taps can be installed at right or left chamber sides according to needs.
- Filter clogging alarm option: The continuous measurement of filter pressure drop allows to detect and indicate when clogging level requires the replacement of the filter.
- Stainless steel IV bar with six hooks.
- Gas burner with foot pedal and flame control.



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