

# Horizontal laminar flow benches

Laboratory Equipment Division

 **TELSTAR**  
*advanced technologies, effective solutions*



H-100

## Applications

# H-100 Series

Horizontal Laminar Flow Benches, specially designed to work in Hospitals, Pharmacies, IVF Centers, Food Control, Horticulture in vitro Cultures, also in Electronics, Optics, Micromechanics, Plastic Industries, etc.

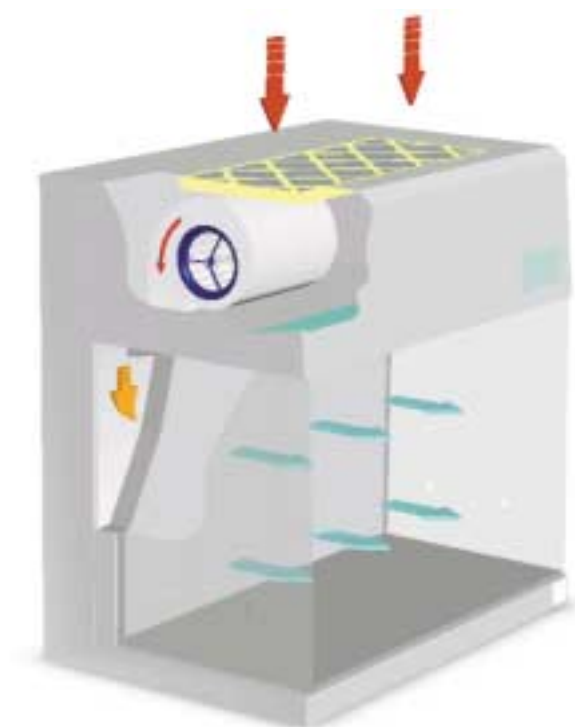
Horizontal Laminar Flow systems allow operation in sterile and particle free conditions due to the continuous flushing of the working area by a unidirectional horizontal and ultrafiltered air flow, thus assuring full product protection.

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



## General

# features



- Cabinets made of stove-enamel coated steel. Its modern and accurate design makes it possible to change the filters from inside the cabinet, gives reduced external dimensions and a suitable working area.

- Polished AISI 304 stainless steel working surface. Removable and U.V. resistant tempered glass side walls.

- Materials and construction according to International Standards, with high quality components and easy service.

- Three models with different widths suit all applications.

# Control system

-Digital control board with LCD display including:

- Selection of air speed: working or stand-by.
- Button for U.V. irradiation with possibility of exposure time programming.
- Indicative LEDs inform of the situation of different elements: air speed, lighting, U.V. , clogging of filter (optional).
- Alarm LED.
- Air speed adjustment
- Ellapsed time counter for the fan and U.V. light.

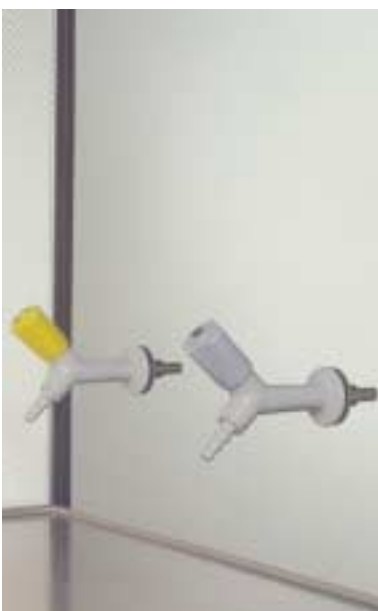
1. Digital display
2. Function selectors and programming
3. Laminar Flow
4. Light
5. U.V. light (optional)
6. Spare
7. Alarm for filter clogging (option)
8. Alarm for U.V.



-ON/OFF Selector.

-Electrical power socket inside of the cabinet.

-Quality Control Certification for every equipment with test results according to International Standards.



Gas, vacuum or nitrogen stopcocks (optional)



Working table 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)	1,260	1,565	1,870
	D (mm)	845	845	845
	H (mm)	1,290	1,290	1,290
Internal dimensions	W (mm)	1,200	1,505	1,810
	D (mm)	600	600	600
	H (mm)	760	760	760
Flow / Air speed	m <sup>3</sup> /h - m/s	1,400 - 0.45	1,800 - 0.45	2,100 - 0.45
Power / Weight	kW / kg	0.5 / 140	1.0 / 160	1.0 / 190
Lighting	lux	> 1,000 lux		
Noise level	dB (A)	< 58		
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.
- U.V. light kit.
- Gas / vacuum / nitrogen stopcocks.
- Stainless steel six hook rod.
- Filter clogging alarm.
- Gasburner with foot pedal and flame monitor.



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