

Providing CLEAN AIR – FOR EVERYBODY

CLASS II
MICROBIOLOGICAL
SAFETY
CABINETS



LAMIL PLUS
7, 10, 13, 16, 19

Karstulan Class II microbiological safety cabinets guarantee a totally clean and safe working environment providing protection for the product or sample that is being handled whilst preventing any risk contamination to the worker. Maximum safety offering the highest operator and product safety, all contaminated particles are kept inside the cabinet behind the 6mm layered safety glass. The Microprocessor controller with safety alarms is easily accessible to the worker whilst in working position. The lamil plus range meet all the requirements set down in the EN 12469 standard.



LAMIL PLUS 7



LAMIL PLUS 10



LAMIL PLUS 13

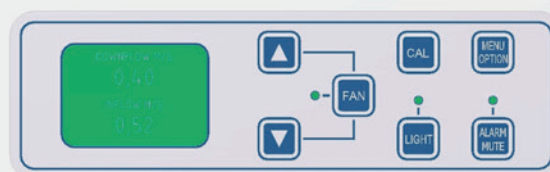
DETAILS



Gas / Vacuum tap.



Working plates easily removable for cleaning purposes.



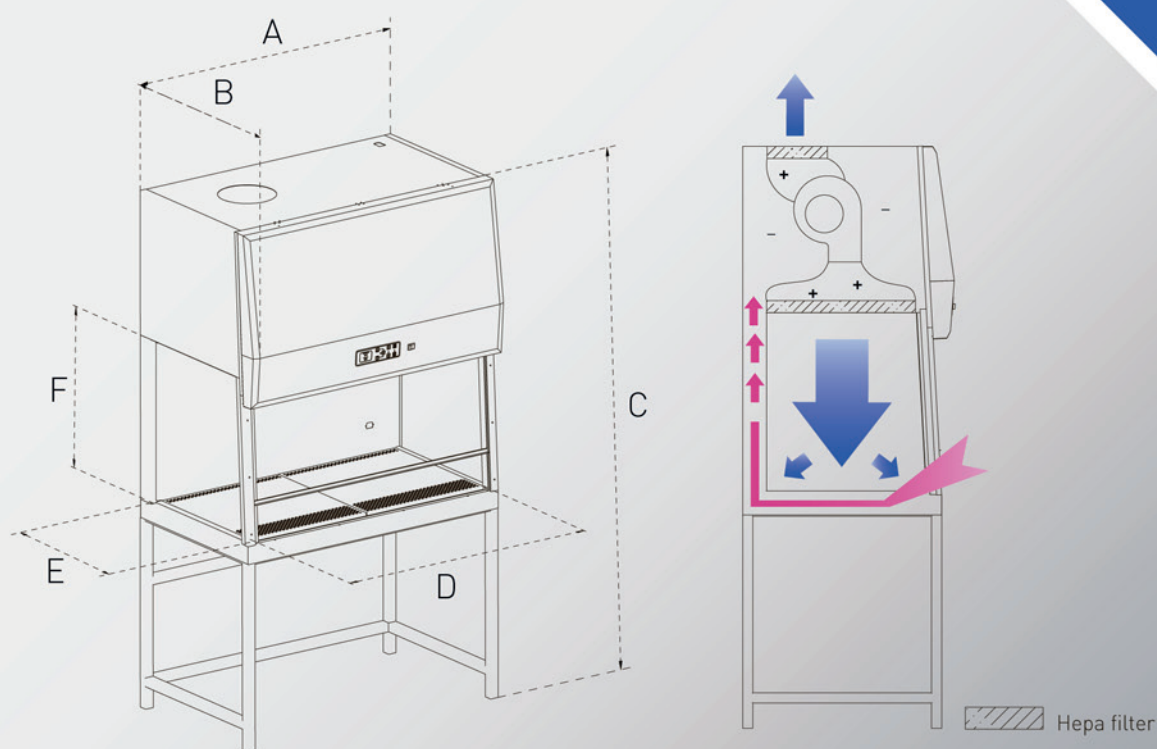
Easily cleaned LCD display.

With our range of 5 different cabinets there is a size to meet all requirements.

All of our vertical laminar flow cabinets are fitted with AAF international HEPA filters or optional ULPA filters.

Class II microbiological safety cabinets are being used in the following places:

- ▶ Bio-and gene technology
- ▶ Pharmacies
- ▶ Hospital departments
- ▶ Oncology centers
- ▶ Hematology centers
- ▶ Pharmaceutical industry
- ▶ Food industry
- ▶ Microbiological labs
- ▶ Research centers



Model	External dimensions			Working area		
	A	B	C	D	E	F
LP 7	700	638	2180	650	510	600
LP 10	1000	835	2280	950	660	700
LP 13	1300	835	2280	1250	660	700
LP 16	1600	835	2280	1550	660	700
LP 19	1900	835	2280	1850	660	700

OPTIONAL ACCESSORIES FOR CLASS II MICROBIOLOGICAL SAFETY CABINETS

- ▶ Germicidal u/v lighting.
- ▶ ULPA filters.
- ▶ Stand with adjustable height.
- ▶ Stand with wheels.
- ▶ Gas / Vacuum tap.

**CLASS II
MICROBIOLOGICAL
SAFETY CABINETS**

Karstulan Metalli Oy, Finland

Established 1976, Karstulan Metalli Oy, Finland, quickly assumed a market leading position in the design and production of devices that help create safer and cleaner healthcare and laboratory environment. Used in the hospitals and medical laboratories, as well as in the industrial laboratories.

Main lines are:

- ▶ Room Air Cleaners
- ▶ Hospital Products
- ▶ Safety Cabinets
- ▶ Laminar Flow Cabinets
- ▶ Fume Cabinets



Manufacturer since 1976

Karstulan Metalli Oy

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TECHNICAL DETAILS

Construction: Epoxy powder painted steel case

	Lamil plus 7	Lamil plus 10	Lamil plus 13	Lamil plus 16	Lamil plus 19
External dimensions WxDxH/ mm	700x685x2180	1000x835x2280	1300x835x2280	1600x835x2280	1900x835x2280
Working Area mm	670x510x600	950x660x700	1250x660x700	1550x660x700	1850x660x700
Main filter H14/mm	610x457x69	915x610x69	1220x610x60	1524x610x69	1830x610x69
Extract filter H14/mm	305x305x78	610x305x69	610x457x69	610x610x69	762x610x69
Lighting /W	18	30	30	36	58
Fan /kw	0.24	0.52	0.52	1.04	1.04
Weight /kg	95	160	190	240	260
Noise level /db A	50	55	56	58	58
Inflow / m/s	0.52(+/-10%)	0.52(+/-10%)	0.52(+/-10%)	0.52(+/-10%)	0.52(+/-10%)
Down flow / m/s	0.40(+/-20%)	0.40(+/-20%)	0.40(+/-20%)	0.40(+/-20%)	0.40(+/-20%)
In and down flow alarm	Audio/Visual	Audio/Visual	Audio/Visual	Audio/Visual	Audio/Visual
Electrical socket in work area	Yes	Yes	Yes	Yes	Yes
Outlet Amp fuse	6.3	6.3	6.3	6.3	6.3
Optional u/v lighting / W	15	30	30	36	36
Guarantee	24 months	24 months	24 months	24 months	24 months

All Karstulan Metalli products are manufactured at the highest technical specifications including ISO 9001 and ISO 14001, with CE sign for electrical safety.

