

MINIFIL e
MINIFIL
MIKROFIL
LAMIL 7, 10, 13, 16, 19

Providing
CLEAN AIR – FOR EVERYBODY



BENCH
TOP-VERTICAL
LAMINAR FLOW
CABINETS

Karstulan bench top vertical laminar flow cabinets guarantee a totally clean working environment providing protection for the product or sample that is being handled whilst also preventing cross contamination between samples.

The Vertical laminar flow cabinet works by drawing air in through the intake filter which is situated in the top front panel of the cabinet, all the air then passes through pressure chamber and down through the Hepa filter into the working area of the cabinet being exhausted through the front opening of the cabinet. An advantage with Vertical flow cabinet compared to horizontal flow is that it generates less turbulence around equipment within the cabinet.

MINIFIL e

A compact budget model.

Minifil e



MINIFIL / MIKROFIL

Compact models for the small applications

Mikrofil



With our range of 8 different laminar flow 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.

Bench top vertical flow cabinets are being used in the following places:

- ▶ Bio-and gene technology
- ▶ Pharmacies
- ▶ Hospital departments
- ▶ Parental feeding stations
- ▶ Oncology centers
- ▶ Pharmaceutical industry
- ▶ Microelectronics industry
- ▶ Optical industry
- ▶ Food industry
- ▶ Data recovery labs



LAMIL 7, 10, 13, 16, 19

Range of larger models to suit all needs and applications.

OPTIONAL ACCESSORIES FOR LAMINAR FLOW CABINETS:

- ▶ Germicidal u/v lighting.
- ▶ Stainless steel table with stand.
- ▶ Automatic air flow control.
- ▶ Night front cover.
- ▶ Gas / Vacuum tap.
- ▶ Matt black back and side walls.
- ▶ Clear Polycarbonate back wall.
- ▶ Custom made sizes.

**BENCH
TOP-VERTICAL
LAMINAR FLOW
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.



Manufacturer since 1976

Main lines are:

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

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TECHNICAL DETAILS

Construction: Epoxy powder painted steel case

	Minifil e	Minifil	Mikrofil	Lamil 7	Lamil 10	Lamil 13	Lamil 16	Lamil 19
External dimensions WxDxH/ mm	680x455x960	680x400x1150	680x598x1158	700x600x1158	1000x598x1263	1300x598x1263	1600x598x1263	1900x598x1263
Working Area mm	630x375x615	680x375x615	630x573x615	650x575x720	950x573x720	1250x573x720	1550x573x720	1850x573x720
Intake filter EU 3/mm	320x560	255x480	255x480	255x540	255x640	255x940	255x1240	255x1240
Hepa filter H14/mm	610x305x78	610x305x69	610x305x69	610x610x69	915x610x69	1220x610x69	1524x610x69	1830x610x69
Lightning /W	15	15	15	18	18	30	36	58
Fan /kw	0.18	0.20	0.24	0.24	0.52	0.52	0.48	1.04
Fan control	on/off	7 steps	7 steps	7 steps	7 steps	7 steps	7 steps	7 steps
Weight /kg	35	40	50	58	74	95	125	155
Noise level /dB A	50	48	50	50	55	56	57	56
Air flow / m/s	0.45(+/-20%)	0.45(+/-20%)	0.45(+/-20%)	0.45(+/-20%)	0.45(+/-20%)	0.45(+/-20%)	0.45(+/-20%)	0.45(+/-20%)
Electrical socket	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Optional u/v lightning /W	No	15	15	15	30	30	30	30

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

