

# VERTICAL LAMINAR FLOW CABINETS

Monmouth's Vertical laminar Flow Cabinets can guarantee a totally sterile working environment. They provide product protection in all laboratories, including biological, chemical, biochemical, industrial and forensic.

All cabinets are fitted with an EU3 intake filter and an H14 large capacity main H14 HEPA filter offering 99.997% efficiency at 0.3 microns. All cabinets offer a face velocity of 0.45m/s +/- 20%.

All Vertical Laminar Flow Cabinets have ASTROCELL II one-piece gasket dry filter seals, which are designed for use in clean rooms, clean benches, biohazard benches and other clean workstations.

The cabinets have been designed to give years of uninterrupted service and are built from the best materials available. They are manufactured with a smooth epoxy painted steel upper frame and aluminium lower frame with 4mm clear glazed sidewalls. Available in a variety of sizes, the cabinets are extremely cost effective and very easy to install.

## MINIFIL e VERTICAL LAMINAR FLOW CABINET

<b>Dimensions(w,d,h)</b>	680mm x 375mm x 1132mm
<b>Construction</b>	Aluminium frame with 6mm double laminated fibreboard infill panels
<b>Intake Filter</b>	Washable polyamide fibre filter EU3 DIN 24185
<b>Micro Filter</b>	HEPA 305mm x 610mm x 78mm 99.997% efficient, DOP Tested
<b>Controls</b>	Main On/Off Switch
<b>Fan</b>	0.2kw, 0.6A, 230V/50Hz
<b>Lighting</b>	Fluorescent tube 15w
<b>Noise Level</b>	52dB
<b>Weight</b>	35Kg
<b>Guarantee</b>	12 months



### Monmouth Scientific

Units 5 & 6, Kilnside,  
East Quay, Bridgwater, Somerset. TA6 4DB  
Telephone: 01278 458090 Fax: 01278 458091  
Email: info@monmouthsurgical.com Web: <http://www.monmouthsurgical.com>



**MINIFIL**

**VERTICAL LAMINAR FLOW CABINET**

<b>Dimensions(w,d,h)</b>	680mm x 400mm x 1158mm
<b>Construction</b>	Epoxy painted upper steel frame and aluminium lower section with 4mm laminated glass side walls
<b>Intake Filter</b>	Washable polyamide fibre filter EU3 DIN 24185
<b>Micro Filter</b>	HEPA 610mm x 305mm x 69mm 99.997% efficient at 0.3µm DOP Tested EU 14, EN1822
<b>Controls</b>	Fan speed control, on/off light switch, hours run indicator, electric socket
<b>Fan</b>	0.2kw, 0.6A, 230V/50Hz
<b>Lighting</b>	Fluorescent tube 15w
<b>Noise Level</b>	48dB
<b>Weight</b>	40Kg
<b>Guarantee</b>	12 months



**MIKROFIL**

**VERTICAL LAMINAR FLOW CABINET**

<b>Dimensions(w,d,h)</b>	680mm x 598mm x 1158mm
<b>Construction</b>	Epoxy painted upper steel frame and aluminium lower section with 4mm laminated glass side walls
<b>Intake Filter</b>	Washable polyamide fibre filter EU3 DIN 24185
<b>Micro Filter</b>	HEPA 610mm x 305mm x 69mm 99.997% efficient at 0.3µm DOP Tested EU 14, EN1822
<b>Controls</b>	Fan speed control, on/off light switch, hours run indicator, electric socket
<b>Fan</b>	0.24kw, 0.87A, 230V/50Hz
<b>Lighting</b>	Fluorescent tube 15w
<b>Noise Level</b>	50dB
<b>Weight</b>	50Kg
<b>Guarantee</b>	12 months



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**LAMIL 10 VERTICAL LAMINAR FLOW CABINET**

<b>Dimensions(w,d,h)</b>	1000mm x 685mm x 1263mm
<b>Construction</b>	Epoxy painted upper steel frame and aluminium lower section with 4mm laminated glass side walls
<b>Intake Filter</b>	Washable polyamide fibre filter EU3 DIN 24185
<b>Micro Filter</b>	HEPA 915mm x 619mm x 69mm 99.997% efficient at 0.3µm DOP Tested EU 14, EN1822
<b>Controls</b>	Fan speed control, on/off light switch, hours run indicator, electric socket
<b>Fan</b>	0.52kw, 1.55A, 230V/50Hz
<b>Lighting</b>	Fluorescent tube 18w
<b>Noise Level</b>	56dB
<b>Weight</b>	74Kg
<b>Guarantee</b>	12 months



**LAMIL 13 VERTICAL LAMINAR FLOW CABINET**

<b>Dimensions(w,d,h)</b>	1300mm x 685mm x 1263mm
<b>Construction</b>	Epoxy painted upper steel frame and aluminium lower section with 4mm laminated glass side walls
<b>Intake Filter</b>	Washable polyamide fibre filter EU3 DIN 24185
<b>Micro Filter</b>	HEPA 1220mm x 619mm x 69mm 99.997% efficient at 0.3µm DOP Tested EU 14, EN1822
<b>Controls</b>	Fan speed control, on/off light switch, hours run indicator, electric socket
<b>Fan</b>	0.54kw, 1.55A, 230V/50Hz
<b>Lighting</b>	Fluorescent tube 18w
<b>Noise Level</b>	56dB
<b>Weight</b>	74Kg
<b>Guarantee</b>	12 months



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**LAMIL 16 VERTICAL LAMINAR FLOW CABINET**

<b>Dimensions(w,d,h)</b>	1600mm x 685mm x 1263mm
<b>Construction</b>	Epoxy painted upper steel frame and aluminium lower section with 4mm laminated glass side walls
<b>Intake Filter</b>	Washable polyamide fibre filter EU3 DIN 24185
<b>Micro Filter</b>	HEPA 915mm x 619mm x 69mm 99.997% efficient at 0.3µm DOP Tested EU 14, EN1822
<b>Controls</b>	Fan speed control, on/off light switch, hours run indicator, electric socket
<b>Fan</b>	0.56kw, 1.55A, 230V/50Hz
<b>Lighting</b>	Fluorescent tube 18w
<b>Noise Level</b>	56dB
<b>Weight</b>	74Kg
<b>Guarantee</b>	12 months



**LAMIL 19 VERTICAL LAMINAR FLOW CABINET**

<b>Dimensions(w,d,h)</b>	1900mm x 685mm x 1263mm
<b>Construction</b>	Epoxy painted upper steel frame and aluminium lower section with 4mm laminated glass side walls
<b>Intake Filter</b>	Washable polyamide fibre filter EU3 DIN 24185
<b>Micro Filter</b>	HEPA 1220mm x 619mm x 69mm 99.997% efficient at 0.3µm DOP Tested EU 14, EN1822
<b>Controls</b>	Fan speed control, on/off light switch, hours run indicator, electric socket
<b>Fan</b>	0.56kw, 1.55A, 230V/50Hz
<b>Lighting</b>	Fluorescent tube 18w
<b>Noise Level</b>	56dB
<b>Weight</b>	74Kg
<b>Guarantee</b>	12 months



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All Cabinets are shipped direct to the customer from our warehouse. An installation service can be provided if required – please ask for further details.

## OPTIONS

Installation  
UV lighting  
Polished stainless steel worksurface  
Base Stand with polished stainless steel worksurface (See picture)  
Spare filters intake & main



## SPECIFICATIONS

	MINIFIL e	MINIFIL	MIKROFIL	LAMIL 10	LAMIL 13	LAMIL 16	LAMIL 19
External Dimensions W x D x H - mm	680 x 375 x 1132	680 x 400 x 1158	680 x 598 x 1158	1000 x 685 x 1263	1300 x 685 x 1263	1600 x 685 x 1263	1900 x 685 x 1263
Working area Dimensions W x D x H - mm	630 x 350 x 582	630 x 375 x 615	630 x 573 x 615	950 x 573 x 720	1250 x 600 x 720	1550 x 600 x 720	1850 x 600 x 720
Intake filter EU3	255 x 480mm	255 x 480mm	255 x 480mm	260 x 640mm	260 x 830mm	260 x 960mm	260 x 1260mm
HEPA Filter H14	610 x 305 x 69mm (H13)	610 x 305 x 69mm	610 x 305 x 69mm	915 x 610 x 69mm	1220 x 610 x 69mm	1524 x 610 x 69mm	1824 x 610 x 69mm
Lighting	15w	15w	15w	18w	30w	36w	36w
Fan	0.20kw	0.20kw	0.24kw	0.52kw	0.54kw	0.65kw	0.65kw
Fan Control	On/Off	7 step variable	7 step variable	7 step variable	7 step variable	7 step variable	7 step variable
Weight	35kg	40Kg	50Kg	74Kg	95Kg	125Kg	155Kg
Noise level	52dB	48dB	50dB	56dB	56dB	57dB	57dB
Air Velocity m/s	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
Optional UV Lighting	No	Yes - 15w	Yes - 15w	Yes - 30w	Yes - 30w	Yes - 30w	Yes - 30w
Delivered Price ex. options:	<b>£ 895 + VAT</b>	<b>£1,495 + VAT</b>	<b>£1,850 + VAT</b>	<b>£2,250 + VAT</b>	<b>£2,695 + VAT</b>	<b>£3,395 + VAT</b>	<b>£3,895 + VAT</b>
<b>Option Costs:</b>							
UV Lighting	N/A	£110 + VAT	£110 + VAT	£110 + VAT	£130 + VAT	£150 + VAT	£170 + VAT
Stainless steel worksurface	£120 + VAT	£120 + VAT	£120 + VAT	£250 + VAT	£300 + VAT	£350 + VAT	£370 + VAT
Base stand with s/s worksurface	£325 + VAT	£325 + VAT	£325 + VAT	£375 + VAT	£425 + VAT	£475 + VAT	£495 + VAT

All Vertical Laminar Flow cabinets manufactured by Karstulan Metallı Oy are Manufactured to the highest technical specifications including ISO 9001 and ISO 14001 and are CE marked.

Mastercard & VISA Accepted

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