



Filter module Modulair



MK Vertical flow cabin



VM Vertical flow module

Protection for your products on a large scale

Requirements

- Product protection from airborne particles and microorganisms
- Ability to work on particle-free and aseptic conditions

Solution

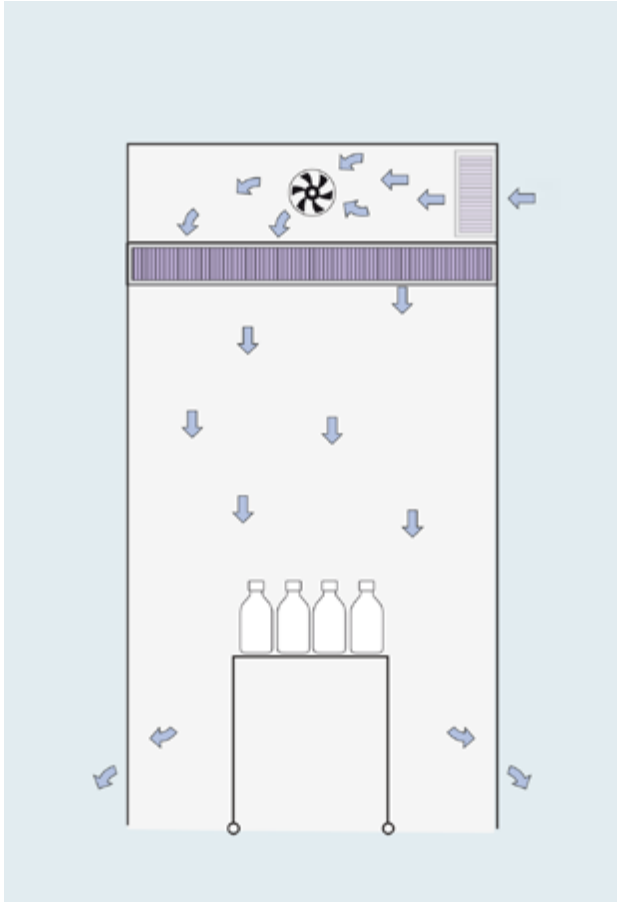
The cleanroom created by the filter modules protects the product from airborne particles and microorganisms. The integrated HEPA filter modules create a class 5-8 cleanroom zone in accordance with EN ISO 14644-1. These cabinets are intended for the creation of a cleanroom for isolated applications.

Characteristics

- Vertical flow
- Cleanroom isolated solutions
- Customized filter modules
- HEPA H14 filter
- ISO class 5 - 8
- Louvers or fixed walls
- Automatic air velocity compensation
- Low noise EC fans
- Output of alarm messages on the display

Field of application

- Laboratories and Research
- Biotech und Life Sciences
- Hospitals and Pharmacies
- Medical technology
- Food Industry
- Mechatronics
- Tailor-made-solution



Functional principle

The ambient air is drawn in through a pre-filter and flows vertically into the working area through a highperformance HEPA filter. This laminar clean air flow is guided over the working area and flows out of the clean working area. It therefore protects the product or process from contamination.

Tested

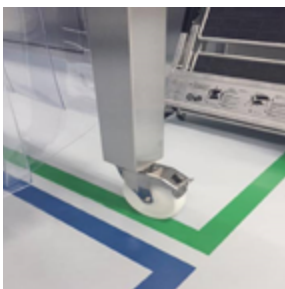
All our standard devices satisfy the CE standard and the cleanroom requirements defined in EN ISO 14644-1 or VDI 2083.

Additional products and options

- Power sockets and utility supply connections (gas, vacuum)
- ESD version, ionization system
- LED lighting
- Cooler to compensate for self-heating
- DEHS connections
- PVC strip curtain

Other versions

- VM - bench/ceiling module
- MK - walk-in cabinet
- Cabinets designed in line with specific requirements, e.g with suspended ceiling or rollers
- Housing material: stainless steel, polypropylene (PP) or noise-absorbing melamine resin-coated supporting plate



Technical data

MK Vertical flow cabin

Type	External dimensions (WxDxH)*1	Fan kW	Air flow m ³ /h	Weight kg
MK 12.18	1290x1940x1130 mm	0,205	3600	275
MK 12.22	1290x2435x1130 mm	0,535	4500	350
MK 15.18	1595x1940x1435 mm	0,535	4500	350
MK 15.22	1595x2435x1435 mm	0,785	5600	450
MK 18.18	1940x1940x1780 mm	0,735	5400	430
MK 18.22	1940x2345x1780 mm	0,805	6780	510

VM Vertical flow module

Type	External dimensions (WxDxH)*1	Fan kW	Air flow m ³ /h	Weight kg
VM 06.07	823x695x900 mm	0,600	750	83
VM 06.09	975x695x900 mm	0,600	900	98
VM 06.12	1280x695x900 mm	0,600	1200	130
VM 06.15	1585x695x900 mm	0,600	1500	160
VM 06.18	1890x695x900 mm	0,960	1800	190
VM 07.09	975x850x900 mm	0,600	1130	123
VM 07.12	1280x850x900 mm	0,600	1500	155
VM 07.15	1585x850x900 mm	0,960	1880	185
VM 07.18	1890x850x900 mm	0,960	2260	215
VM 09.12	1280x1000x900 mm	0,960	1800	180
VM 09.15	1585x1000x900 mm	0,960	2260	210
VM 09.18	1890x1000x900 mm	0,960	2410	235

The booths are designed and built according to your special requirements, e.g. ceiling suspension, with rollers. All our standard units meet the CE standard as well as the requirements of the clean room classes according to EN ISO 14644-1 or the VDI 2083.

*1: Other designs possible according to customer requirements.

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