

Biological Safety Cabinets Class II Mars Series 900 – 1800

Description

The Mars safety cabinets are being manufactured & tested in compliance with EN 12469.

Mars Class 2 is the safety cabinet of choice when working with microbiological samples, tissue culture, viral work, non-pathogenic manipulations, IVF, research and sampling procedures (for maximum protection when handling hazardous substances such as cytostatics and antivirals, we recommend the model series Mars **Pro**).

The Mars is a series of dual filter Class 2 cabinets which incorporates the latest in laminator technology, energy-saving designs and HEPA-filtration, with options that give the best protection for you, your products and your laboratory.

Lower energy consumption also results in less heat transmission, both into the work chamber and to the laboratory environment, contributing significantly to reduced overall energy costs.

The ergonomically arranged, angled front window and the glare-free lighting allow a comfortable and relaxed working posture - both sitting and standing. The integrated control panel with LCD display is conveniently positioned for ease of viewing and operation, ensuring optimal performance and safety characteristics at all times.

Thanks to their low-noise design, Mars safety cabinets are among the quietest safety cabinets available.

Safety Features

- 110 mm HEPA filters with efficiency at 99,999% against 0,3 µm particles, ensuring a clean sterile work chamber environment.
- Unique laminator/diffuser technology giving turbulent-free air flow, protecting your samples against particle contamination.
- Down flow & exhaust fans are constantly monitored via the flow sensors to ensure safe operating conditions are maintained.
- Alarms, both acoustic and visual for unsafe airflow conditions or any interruption.
- Angled pre-filter for easy inspection and filter exchange.
- Sectional 300 mm work tops allowing loads up to 50 kg per 300 mm, easy removal for cleaning and decontamination of all surfaces.
- Easy to maintain as all service functions are performed from the front of the cabinet, including changing of the HEPA filters, pcb's and sensors, and adjustments/monitoring of alarms and fan speed.



Mars 900 (650 x 900 x 700 mm)



Mars 1200 (650 x 1200 x 700 mm)



Mars 1500 (650 x 1500 x 700 mm)



Mars 1800 (650 x 1800 x 700 mm)

Benefits

- Low operating temperature and heat generation
- Low noise level
- Energy efficiency
- Ergonomic design
- Excellent light distribution
- Electrically adjustable windscreen
- Integrated control panel with LCD display
- Panorama front and side windows
- Easy window cleaning from both sides



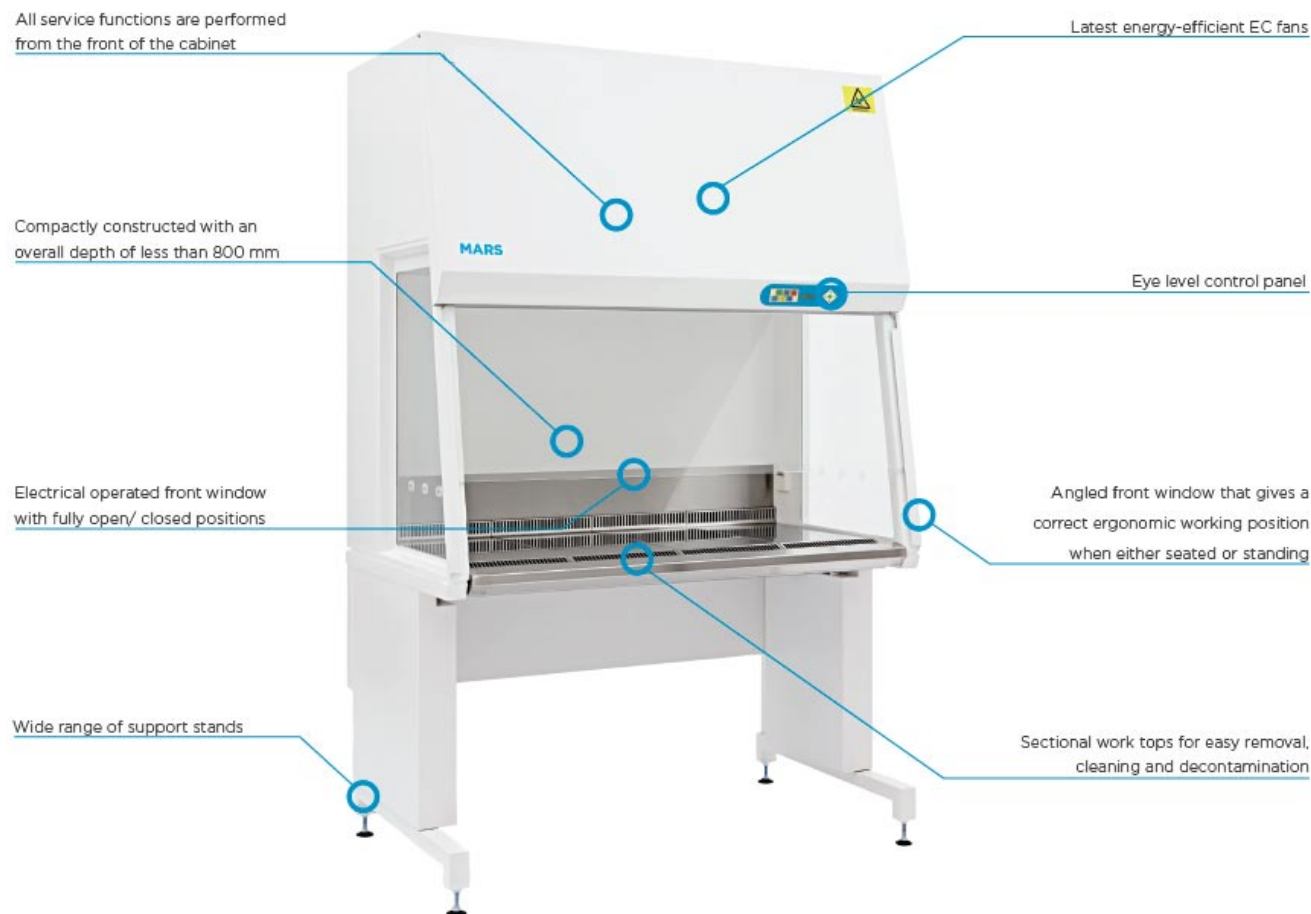
Safety Cabinet (Class II) Mars 900 – 1800

Technical Data

Model	Mars 900	Mars 1200	Mars 1500	Mars 1800
External dimensions (L x D x H) with adjustable stand (Standard)	1004 x 797 x 2033 mm	1304 x 797 x 2033 mm	1609 x 797 x 2033 mm	1914 x 797 x 2033 mm
Dimensions working area (L x T x H)	900 x 650 x 700 mm	1200 x 650 x 700 mm	1500 x 650 x 700 mm	1800 x 650 x 700 mm
Front opening (height)	200 mm			
Number of table top segment	3	4	5	6
Height worktop with adjustable base frame	750 (745 – 780) mm			
Sound Pressure Level at factory settings	≤ 45 dB (A)	≤ 47 dB (A)	≤ 49 dB (A)	≤ 52 dB (A)
Sound Pressure Level in Eco-Save mode	≤ 36 dB (A)	≤ 37 dB (A)	≤ 37 dB (A)	≤ 39 dB (A)
Down flow, Air velocity	0,28 ±0,01 m/s			
Inflow, Air velocity	0,45 m/s			
Exhaust, Air flow rate	292 m ³ /h	389 m ³ /h	486 m ³ /h	583 m ³ /h
Light illuminance (flourescent tube)	> 1000 Lux	> 2000 Lux	> 2000 Lux	> 2000 Lux
Filter construction in accordance with EN 1822-1	2-Filter system, HEPA, min. Class H14			
Table top and trough material	Stainless steel AISI 304 (Optional AISI 316 stainless steel available)			
Table top max. total load	100 kg			
Side glass material	5 mm hardened glass with 3 x 22mm ø openings			
Front glass material	6 mm laminated safety glass (optional antireflex coating available)			
Cabinet and back panel material/colour	Polyester-coated steel / RAL 9016			
Power supply	220 – 240 V / 50/60 Hz			
Socket type, in pairs, right and left	2-way (total of 4 sockets)			
Max. current (fuses)	10 A			
Sockets: max. total current (fuses)	6,3 A			
Shipping weight	approx. 2.2 m ³	approx. 2.9 m ³	approx. 3.2 m ³	approx. 4.1 m ³
Net weight	157 kg	192 kg	227 kg	262 kg



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Optionales Zubehör

Modelle	900 – 1800
Elektr. verstellbares Untergestell - Einstellbereich	745 – 1050 mm
LED-Licht	Exzellente Verteilung von neutralem Weißlicht 1500 Lux / 4000 K
UV-Lampe	Zur einfachen und schnellen Dekontamination
Zusätzliche Steckdosen	
Rückschlagventil, gerade oder seitlich Ø 200 mm	
Potenzialfreier Kontakt	4er-Set
Ventile für H ₂ O ₂ -Dampf-Dekontamination	