



Biological Safety Cabinets Class III

Series MSC III



Operator, product & environmental protection

Clean Air provides a complete range Biological Safety Cabinets. Series MSC III is a Class III biological safety cabinet, offering the highest biological safety to operator, product and environment when working with indigenous or exotic pathogenic agents that pose a moderately high risk of serious or potentially lethal disease to the operator when inhaled.

Basic principles

Series MSC III is a completely gastight cabinet. The dangerous biological agents enter the work area by a hatch, the operator uses gloves (assembled to the front of the cabinet) to research the biological agents. While working, potential contaminated air is controlled by airflow and negative air pressure, according to the international standard EN 12469.

Available types

- MSCIII 1200 (interior dimensions 1200 mm)
- MSCIII 1500 (interior dimensions 1500 mm)
- MSCIII 1800 (interior dimensions 1800 mm)

Features

The MSC III is a high-quality product constructed with high-grade components and materials.

- 1,5 – 2 mm epoxy coated steel (also available in stainless steel)
- Worktop of stainless steel (304)
- Front window of laminated safety glass
- Microprocessor air flow control
- LCD display
- Stainless steel work tray
- Hinged window with gas dampers for easy opening
- Lighting unit constructed outside the working area, lightning level 800 lux
- Inlet HEPA-filter U15 with an efficiency of 99,9995% (MPPS / EN 1822)
- Exhaust HEPA-filter H14 with an efficiency of 99,995% (MPPS / EN 1822)
- Pre-filter construction at the inlet HEPA and the exhaust HEPA

Technical specifications

	MSC III 1200	MSC III 1500	MSC III 1800
<u>Cabinet</u>			
Window opening (HxL)	520x1030	520x1330	520x1630
Exterior dimensions (LxDxH) (mm) (excl. support frame)	1757x791x1240	2057x791x1240	2357x791x1240
Total height (incl. support frame 800 mm)	2139	2139	2139
Interior dimensions (LxDxH) (mm)	1194x614x870	1494x614x870	1794x614x870
Interior volume (m3)	0,55	0,69	0,83
<u>Gloves</u>			
Dimensions (mm)	2x Ø 170	4x Ø 170	4x Ø 170
<u>Hatch</u>			
Interior dimensions (LxDxH) (mm)	400x400x400	400x400x400	400x400x400

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