

AURA 2000 M.A.C family Microprocessor Automatic Control

Microbiological Safety Cabinet with microprocessor based control

Personnel protection, product protection and ambient safety from exposure to biological agents

Class II microbiological safety cabinet for handling of low - moderate risk-hazardous agents; TÜV certified DIN 12950 TEIL 10



CERTIFIED DIN 12950 TEIL 10

BIOHAZARD



The AURA 2000 M.A.C. is a Class II Microbiological Safety Cabinet 70% of the HEPA filtered air is therefore recirculated with the remaining 30% being expelled through a dedicated exhaust HEPA filter. The cabinet is used to reduce the exposure. The AURA 2000 M.A.C has a new, electronic airflow control system. A microprocessor based module provides automatic control of the airflow throughout the whole life of the HEPA filter.

The microprocessor based module contains the alarm system which warns the operator when recirculated and exhaust airflow rate deviate from the fixed operation range and when the front windows is not firmly closed. The soft-touch keyboard together with the alphanumeric display, bargraphs and pilot lamps give the operators a full control and monitoring of all functions. Laminar flow and face velocities are permanently

displayed while the UV lamp, cabinet conditions, filters, run hours and blackout events are displayed by touching the multifunction keys.

The microprocessor module also controls the lights, electrical power outlet, gas solenoid valve and 24 hours clock with UV time function.

All of the contaminated plenum inside the cabinet is surrounded by a negative pressure to prevent contaminated air leaks, as required by the latest international standard

- The microprocessor control module is located inside the front panel in a non contaminated zone
- The air flow control system provides a constant air flow unit the pressure across the HEPA filter emitting in reaches 400 Pa.
- The digital display and air velocity bargraph indicators give a continuous monitoring of the air flow conditions.
- Visible and audible alarms are activated when the laminar and exhaust air flow rates fall or exceed the fixed thresholds and when the front window is not closed securely.
- Soft touch keys on the control panel provide control of the lighting, UV lamp, electrical power outlet and the solenoid valve which regulates the gas supply line.
- Variable speed centrifugal fan with built-in thermal cut-out
- Electrical equipment according to EN 61010-1 International Standards and EMC directives.
- Lighting >800 lux.
- Noise level <58 dB (A)
- Cabinet outer surfaces of rolled steel with paint finish.
- Inner chamber made of grade 3 stainless steel with radiused corners and full access to exposed surfaces for ease of cleaning.
- Removable work surface made of grade 3 stainless steel with perforated work area and shaped front grille to prevent obstruction of the safety air barrier intake.
- Sump made of grade 3 stainless steel, with coved corners for easy removal of spilt liquids.

	AURA 2000 M.A.C 3	AURA 2000 M.A.C 4	AURA 2000 M.A.C 6
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Work chamber dimensions (lxdxh):	880x580x670 mm	1.185x580x670 mm	1.795x580x670 mm
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Overall dimensions (lxdxh):	1.145x785x1.460 mm	1.450x785x1.460 mm	2.060x785x1.460 mm
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Weight:	175 kg	225 kg	310 kg
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Power supply:	230 V 50 Hz	230 V 50 Hz	230 V 50 Hz
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Power requirement:	1.75 Kw	2.2 Kw	2.37 Kw
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HOW TO ORDER

Code	Item
LD00100	AURA 2000 M.A.C 3 (available from march 2003)
LD50100	AURA 2000 M.A.C 4 TUV approved
LD90100	AURA 2000 M.A.C 6 (available from march 2003)

Code	Item
AZ15100	Exhaust kit with motorblower (filter excluded)
AZ15300	External adapter
AZ15200	Exhaust passive adapter

An additional (HEPA or charcoal) filter can be installed with item AZ15100

Accessories for Aura 2000 M.A.C. 3/4/6:

Code	Item
AS14000	Support stand for AURA 2000 M.A.C 3
Ak17000	UV lamp for AURA 2000 M.A.C 3
AS15000	Support stand for AURA 2000 M.A.C.4
Ak15000	UV lamp for AURA 2000 M.A.C.6
AC10000	Drawer for all AURA 2000 M.A.C models