

MICROBIOLOGICAL
SAFETY CABINET

the new
generation
UCS



laminar air flow systems



TECHNICAL SPECIFICATIONS

CONSTRUCTION MATERIALS

- Body structure: epoxy cold rolled painted steel coated with antimicrobial coating.
- Work surface: AISI 304 stainless steel divided in perforated sectors. Stainless steel work surface in one piece or blind sectors are available upon request.
- Back wall panel: made in epoxy painted steel.
- Screen: automatic sliding frontal sash window made out of 8 mm thickness stratified glass. Side screens are made in tempered glass.

FILTRATION

- Main filter: H14 HEPA/ULPA filter with efficiency of 99,995% MPPS as per CEN EN 1822.
- Exhaust filter: H14 HEPA/ULPA filter with efficiency of 99,995% MPPS as per CEN EN 1822.
- Air cleanless in Class ISO 3, according to ISO 14644-1.

VENTILATION

Provided by single Alternate Current AC motorblowers.

AUTOMATIC AIR FLOW SPEED REGULATION

The progressive filters clogging is compensated by automatic air flow speed regulation system provided by digital anemometer sensor. The microprocessor automatically keeps the pressures balanced and the down-flow and air-flow barrier speeds steady and constant.

OUTLET STANDARD FITTINGS

- Electrical socket (two sockets are available as standard in version UCS 6).
- Side holes provisions for taps installation.

LIGHTING

The unit is equipped with single fluorescent light.

OPTIONS AVAILABLE

- UV magnetic light.
- Additional taps or sockets.
- Stainless steel hanging bars.
- Stainless steel armrest.
- Anti blow-back dumper.
- Exhaust hard duct connection.
- Electrical adjustable stand 800 to 1100 mm working height.

ITS STRENGTHS:

- ✓ UCS microbiological safety cabinet complies with EN 12469:2000 standard and they are also recognized as class II A2 microbiological safety cabinets.
- ✓ Electrically driven automatic sash-window.
- ✓ Available in single or double motorblower

TECHNICAL TABLE UCS

Description	Unit	UCS I-3/II-3	UCS I-4/II-4	UCS I-5/II-5	UCS I-6/II-6
Overall Dimensions WxHxD (1)	mm	1045 1545x810	1350 1545x810	1497 1545x810	1960 1545x810
Usefull Dimensions WxHxD	mm	887 740x580	1192 740x580	1497 740x580	1802 740x580
Working aperture	mm	200*			
Maximum front aperture	mm	490			
Weight	kg	170	195	220	260
Exhaust flow rate	m ³ /h	290	390	485	585
Noise level (2)	dB(A)	<53	<54	<55	<56
Lighting level	lux	>1100	>1200	>1200	>1300
Electrical Data		1Ph+E - 230V 50Hz			
Current consumption (2)(3)	A	1,9	2,1	3,4	3,6
Electrical class/IP		1/20			
Internal electrical outlet		The electrical outlets have a total load capacity of 4A			
Heat emission	W	175	240	295	360

(1) The total depth of the cabinet can be easily reduced to 780 mm removing the back panel.

(2) At operation condition according to EN-12469: 2000.

(3) Clean filters, lighting activated, internal outlet load excluded.

* Alternative sash-height settings (250-160 mm) by the factory are available upon request

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