

MICROBIOLOGICAL  
SAFETY CABINET

# the new generation SCS



laminar air flow systems



SCS  
the new generation



SDCE SCS CAB 2015/01

# TECHNICAL SPECIFICATIONS

## CONSTRUCTION MATERIALS

- Body structure: epoxy cold rolled painted steel coated with antimicrobial coating.
- Work surface: AISI 316L 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 AISI 304 stainless steel.
- Screen: automatic sliding frontal sash window made out of 8mm thickness stratified glass. Side screens are made in stratified glass.

## FILTRATION

- Main filter: low pressure drop with H14 HEPA/ULPA filter with efficiency of 99,995% MPPS as per CEN EN 1822.
- Exhaust filter: certified low pressure drop 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 or double 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 5 and 6).
- Automatic service connection for gas.
- Manual service connection for vacuum.

## LIGHTING

The unit is equipped with double fluorescent lights.

## OPTIONS AVAILABLE

- UV magnetic light.
- Additional taps or sockets.
- Stainless steel hanging bars.
- Stainless steel armrest.
- Anti blow-back dumper.
- Exhaust hard duct connection.
- Additional H14 HEPA/ULPA filter on the exhaust.
- Additional charcoal filter on the exhaust.
- Pre-filters grids.
- Electrical adjustable stand  
800 to 1100 mm working height.

**ITS STRENGTHS:**

- ✓ SCS microbiological safety cabinet is NF certified by LNE France according to EN 12469:2000 standard.
- ✓ 7 degrees sloped front.
- ✓ Available with single or double motor.

## TECHNICAL TABLE SCS

Description	Unit	SCS I-3/II-3	SCS I-4/II-4	SCS I-5/II-5	SCS I-6/II-6
Overall Dimensions					
WxHxD (1)	mm	1045	1350	1655	1960
		1545x855	1545x855	1545x855	1545x855
Usefull Dimensions					
WxHxD	mm	887	1192	1497	1802
		740x580	740x580	740x580	740x580
Working aperture	mm			200	
Maximum front aperture	mm			440	
Weight	kg	170	195	225	260
Exhaust flow rate	m <sup>3</sup> /h	290	390	485	585
Noise level (2)	dB(A)	<53	<54	<55	<56
Lighting level	lux	>1100	>1200	>1300	>1300
Electrical Data				1Ph+E - 230V 50Hz	
Current consumption I series (2)(3) A		1,9	2,1	3,4	3,6
Current consumption II series (2)(3) A		2,2	2,4	3,9	4,2
Electrical class/IP				1/20	
Internal electrical outlet	The electrical outlets have a total load capacity of 6A and are protected with one T6A fuse				
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.



SCS microbiological  
safety cabinet is certified by

