Microbiological Safety Cabinet
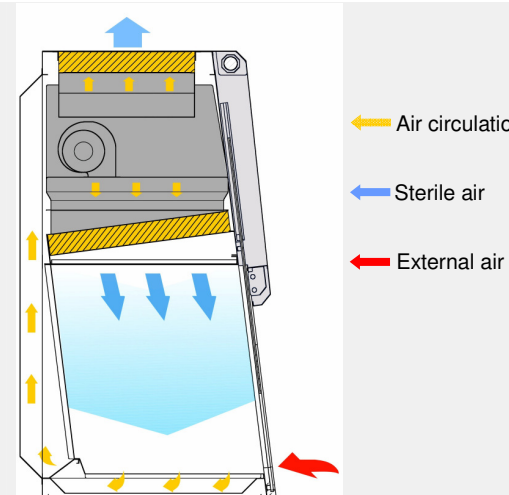

BIO-CL 130

- Protection: Personnel - product - environment Safety class II according to DIN EN 12469:2000

- Tested, proved and documented quality

- Segmented, perforated working area made of stainless steel AISI 304, dismountable and autoclavable

- Audio-visual alarms for incorrect laminar airflow velocity and front sash window

- Integrated DEHS test connection

- Automatic regulation of motor blower speed by high-resolution flow measurement and display of the laminar flow

- Integrated operating hours counter

- Main HEPA filter class H14 as per DIN EN 1822

- Tested according to DIN EN 12469

- Microprocessor control with digital display, operated via soft touch keypad

- Gas fitting with solenoid safety valve or manual actuation (option)

- Option: Vacuum fitting with manual actuation

- Integrated 4A socket, protection class IP44 (rear wall, right-hand side)

- Easy control, examination and maintenance

Cleanroom Technology

Model	BIO-CL 100	BIO-CL 130	BIO-CL 190
Outer dimensions (mm) w x h x d	1045x1545x810	1350x1545x810	1960x1545x810
Inner dimensions (mm) w x h x d	887x740x580	1192x740x580	1802x740x580
Front opening min. - max. (mm)	200 – 440	200 – 440	200 – 440
Front screen made of multiple-pane safety glass, electrically operating sash window hinged for cleaning and disinfection	■	■	■
Volume (l)	380	510	770
Packing dimensions (mm) w x h x d	1150x1720x900	1450x1720x900	2050x1720x900
Net weight (kg)	155	175	240
Electric connection (V / Hz)	230 / 50	230 / 50	230 / 50
Electric power (kW) without power socket	1.9	1.22	1.54
Integrated power socket, protection class IP 44	1	1	2
Housing in all-metal construction, epoxy-powder coated, RAL 9010 (pure white), resistant against common disinfectants	■	■	■
Work surface: stainless steel AISI 304, segmented / perforated	■	■	■
Fluorescent lamps: number / power (W)	1 / 36	1 / 36	1 / 58
Chamber illumination (lx)	>1100	>1200	>1300
Noise level as per DIN EN 12469 (dB (A))	<53	<54	<56
Armrest	■	■	■
Main HEPA filter: filter class (DIN EN 1822) / separation (MPPS) / particle size (µm)	H14 / 99.995 / 0.3	H14 / 99.995 / 0.3	H14 / 99.995 / 0.3
Main HEPA filter: number / size (mm) w x h x d	■ 1 / 1219x69 x610	■ 1 / 1219x69 x610	■ 1 / 1830x69 x610
Exhaust HEPA filter: filter class (DIN EN 1822) / separation (MPPS) / particle size (µm)	H14 / 99.995 / 0.3	H14 / 99.995 / 0.3	H14 / 99.995 / 0.3
Exhaust HEPA filter: number / size (mm) w x h x d	■ 1 / 610x69x457	■ 1 / 610x69x457	■ 1 / 915x69x457
Number of centrifugal fans, protection class	1 / IP20	1 / IP20	1 / IP20
Air volume: exhaust / circulating / total (m³/h)	290 / 677 / 967	390 / 1050 / 1540	585 / 1590 / 2325

Options for all models		Airflow
UV lamp to be fixed magnetically at the rear wall, operated via UV timer	□	
Dry contact to control the external exhaust air valve	□	
Interface RS232, RS485 or RJ45	□	
Additional power socket inside work area	□	
Gas or vacuum connection (manual)	□	
Fixed stationary metal support, epoxy-powder coated, RAL 7001 (silver grey), height 800mm	□	
Mobile metal support, epoxy-powder coated, RAL 7001 (silver grey), height 800mm	□	

← Air circulation
← Sterile air
← External air

(■ = standard; □ = option; - = not available)

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