

Biological Safety Cabinet Twin Fan / Twin Plenum

Advantages

- Motorised and manual combined front window.
- Large touch LCD control, airflow display, warning alarms.
- Filter loading alarm.
- Memory function in case of power-failure.
- Side and back wall is made up of single piece stainless steel.
- Interlock function: UV lamp and front window; UV lamp and blower, fluorescent lamp; Blower and front window.
- Twin EC centrifugal fan motors, separate exhaust and supply fans with zone integrity for superior performance and effective in accordance with test method AS1087 clauses 4.3 and 4.9 air barrier containment.
- AAF H14 HEPA filters 99.995%.
- Efficiency @ MPPS 0.3µm.
- Adjustable front opening stabiliser arms for easy fumigation setup.
- Built in compliance with Australian Standard AS2252.2.
- Work zone integrity air barrier design.
- RCM Certified.



Specifications

Model	OPIRA-BSC-INA2-1200	OPIRA-BSC-INA2-1800
External Size (WxDxH)mm	1430 x 815 x 1660 (2300mm with stand)	1873 x 815 x 1660 (2235mm with stand)
Internal Size (WxDxH)mm	1210 x 605 x 660mm	1700 x 605 x 660mm
Working Surface Height	660mm	660mm
Max Opening	500mm	500mm
Tested Opening	Safety Height 200mm	Safety Height 200mm
Airflow Volume	Inflow ≥ 462 m ³ /h Down Flow 893-1004 m ³ /h Exhaust ≥ 462 m ³ /h	Inflow ≥ 760 m ³ /h Down Flow 1246-1401 m ³ /h Exhaust ≥ 760 m ³ /h
Front Window	Motorized and manual combined. Two-layer laminated toughened glass ≥5mm. Anti UV	Motorized and manual combined. Two-layer laminated toughened glass ≥5mm. Anti UV
HEPA Filter	1240 * 500 * 90 AAF glass fibre filter paper, surface wind speed of 0.45 m/s, initial resistance of about 90Pa, double-sided seal strip (HEPA, glass fibre filter paper) 900 * 430 * 90 AAF initial resistance of 0.45m/s, two sealing strip, U15 imported filter paper, filter element fold neck height 55mm	1730 * 500 * 90 AAF glass fibre filter paper, surface wind speed of 0.45 m/s, initial resistance of about 90Pa, double-sided seal strip (HEPA, glass fibre filter paper) 1050 * 430 * 90 AAF glass fibre filter paper, surface wind speed of 0.45 m/s, initial resistance of about 90Pa, double-sided sealing strip (ULPA, U15 imported filter paper)
Filter Guard Type	H14 Aluminium frame U15 Aluminium frame	H14 Aluminium frame U15 Aluminium frame
Noise	AS2252.2 ≤ 65 dB	AS2252.2 ≤ 63dB
Illumination	≥ 1000 Lux	≥ 800 Lux
Display	7-inch large touch colour display	7-inch large touch colour display
Splashproof Power Outlet	2, Total consumption ≥ 500w	Total consumption ≥ 500w
Tap	2 x water and gas Taps	2 x water and gas Taps
Ground Resistance	≤0.10 Ω	≤0.10 Ω
Power Supply	AC220V±10%, 50/60Hz; 60Hz, Full load Amps: 9A, BTU/Hr: 1689	AC220V±10%, 50/60Hz; 60Hz, Full load Amps: 9A, BTU/Hr: 1689
Consumption	800W	2000W
Alarm	Abnormal airflow velocity; Filter replacement; Front window at unsafe height; UV unsafe	Abnormal airflow velocity; Filter replacement; Front window at unsafe height; UV unsafe
Fan Motor	TWO EC motor fans (220v). Speed adjustable, high efficiency and low power consumption	THREE EC motor fans (220v). Speed adjustable, high efficiency and low power consumption
Material	Working area: 316 stainless steel/Frame and Decorative Plate: cold-rolled steel with anti-bacteria power coating	Working area: 316 stainless steel/Frame and Decorative Plate: cold-rolled steel with anti-bacteria power coating
UV Lamp	30W x 1	40W x 1
Standard Accessory	Germicidal UV lamp, Emission of 253.7 nanometres for most efficient decontamination	Germicidal UV lamp, Emission of 253.7 nanometres for most efficient decontamination
Standard Accessory	2 sockets, 2LED Lamp, 1 UV lamp	2 sockets, 2LED Lamp, 1 UV lamp
Optional Accessory	Armrest, Airflow testing, Window height foot pedal, infrared sterilizer, Standard or Electric height adjustable base stand, Stainless Steel I.V Bar with 10 hooks, water tap	Armrest, Airflow testing, Window height foot pedal, infrared sterilizer, Electric height adjustable base stand, Stainless Steel water tap, Stainless steel gas faucet, footrest
Package Size (WxDxH)(mm)	1540 x 1080 x 1900mm	2020 x 1080 x 1900mm
Gross Weight (kg)	355kg	400kg