

Biological Safety Cabinet Twin Fan / Twin Plenum AS2252.2 Compliant



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 & 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 660 | 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 U15Aluminium frame | H14 Aluminium frame U15Aluminium 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 1900 | 2020 x 1080 x 1900mm |
| Gross Weight (kg) | 355kg | 400kg |