SOPHYC

Biological Safety Cabinet
Class II A2

DESCRIPTION

Biological safety cabinet is necessary equipment in the laboratory in the search of microbiology, biomedical, DNA recombinant, animal experiment and biological products, especially in the occasion that operator need to adopt protective measure, such us medical and health, pharmacy, medical research.
Our equipment provides a safety working environment which don't have bacterial and dust in the process of bacterial culture.

> **MOTORIZED FRONT WINDOW**
> **TIME RESERVE FUNCTION**
> **WITH MEMORY FUNCTION IN CASE OF POWER-FAILURE**

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TECHNICAL PARAMETERS

Model	583548	583549	583550	583551	583552
External Size(W*D*H)	1100*750*2250mm	1300*750*2250mm	1500*750*2250mm	1800*775*2290mm	1950*800*2170mm
Internal Size(W*D*H)	940*600*660mm	1150*600*660mm	1350*600*660mm	1625*600*660mm	1800*600*660mm
Tested Opening	Safety Height 200mm(8″)				
Max Opening	420mm(17″)	420mm(17″)	500mm (20″)	500mm(22″)	400mm(16″)
Inflow Velocity	0.53±0.025 m/s				
Downflow Velocity	0.33±0.025 m/s				
ULPA Filter	Two, 99.9995% efficiency at 0.12µm. Filter life indicator.				
Front Window	Motorized. Two-layer laminated toughened glass ≥ 6mm. Anti UV.				
Noise	EN12469 ≤ 58dB / NSF49 ≤ 61dB				
UV Lamp	30W*1	30W*1	40W*1	40W*1	40W*1
	UV timer, UV life indicator, emission of 253.7 nanometers for most efficient decontamination.				
Illuminating Lamp	LED lamp				
	12W*2	12W*2	16W*2	16W*2	16W*2
Illumination	≥1000Lux				
Consumption	600W	800W	850W	1300W	1500W
Waterproof Sockets	Two, total load of two sockets: 500W				
Display	LCD display: exhaust filter and downflow filter pressure, filter and UV lamp working time, inflow and downflow velocity, filter life, humidity and temperature, system working time etc.				
Control System	Microprocessor				
Airflow System	70% air recirculation, 30% air exhaust				
Visual and audio alarm	Abnormal airflow velocity, Filter replacement, Front window at unsafe height, High filter pressure alarm.				
Material	Work Zone: 304 stainless steel				
	Main Body: Cold-rolled steel with anti-bacteria powder coating.				
Work Surface Height	750mm(Size can be customized according to requirements)				
Caster	Footmaster caster				
Power Supply	AC220V±10%, 50/60Hz; 110V±10%, 60Hz				
Standard Accessory	LED lamp, UV lamp*2, Base stand, Remote control, Foot switch, Drain valve, Waterproof sockets*2				
Optional Accessory	Water and gas tap, Electric height adjustable base stand,Armrest,chair				
Gross Weight	220kg	280kg	316kg	366kg	420kg
Package Size(W*D*H)	1220*1000*1820mm	1460*1000*1820mm	1630*1000*1820mm	1930*1000*1820mm	2090*1050*1860mm

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