Lab World

SCO

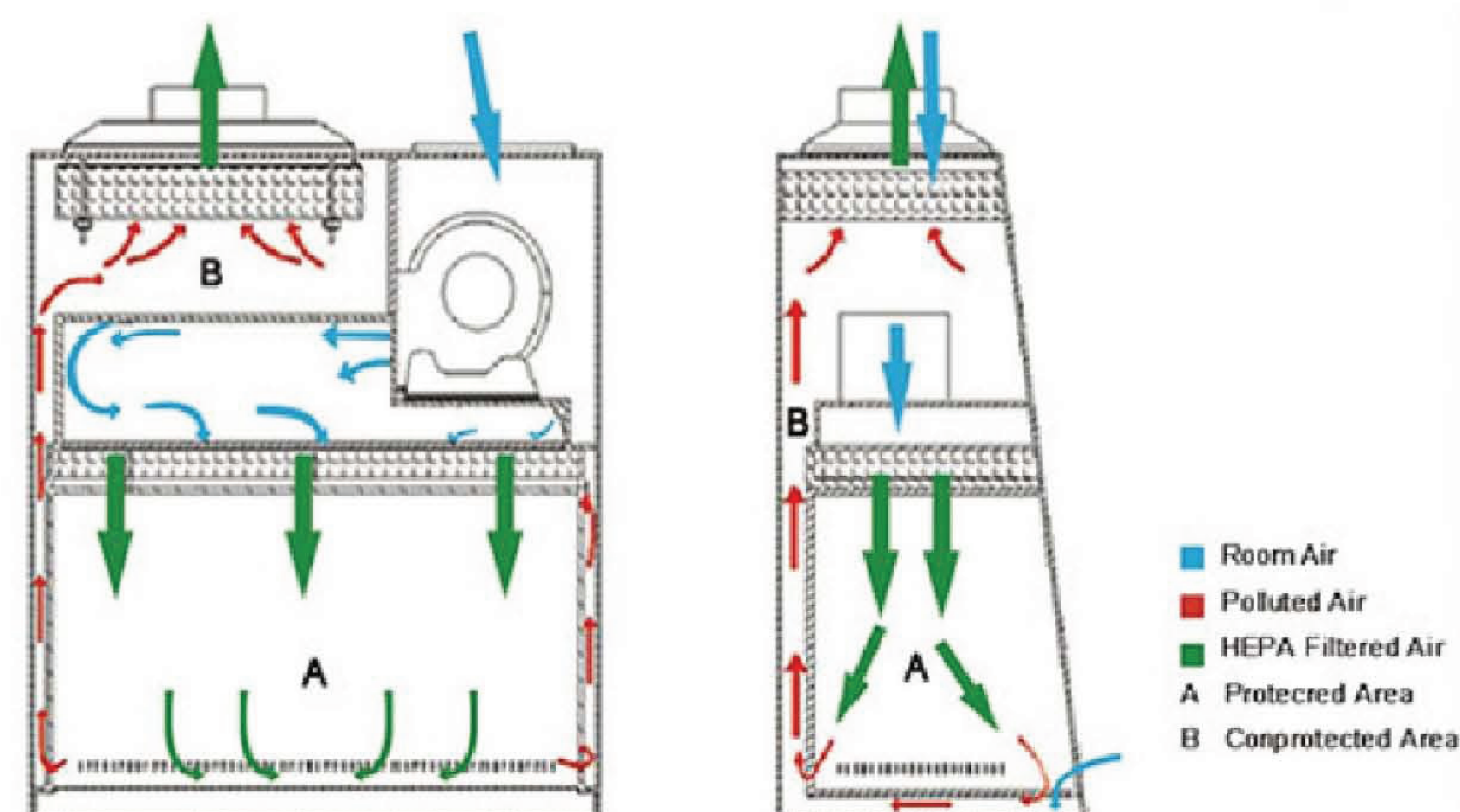# Class II B2 Biological Safety Cabinet
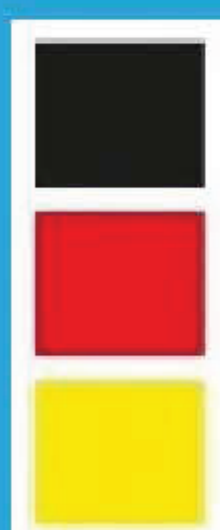
Three protection:operator,sample and environment.

Airflow system: 0% air recirculation,100% air exhaust.

A Class II B2 also called a total exhaust cabinet, is necessary when significant

amounts of radionuclides and volatile chemicals are expected to be used.

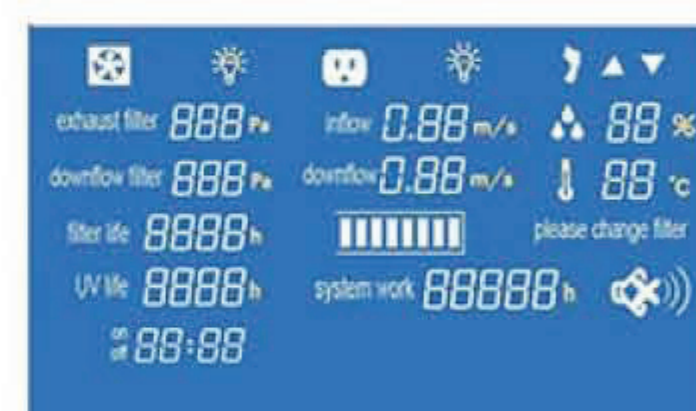
Class II B2 Biological Safety Cabinet

- ■ Room Air
- ■ Polluted Air
- ■ HEPA Filtered Air
- A Protecred Area
- B Conprotected Area

htttp://www.sco-tech.com

Federal Republic of Germany

Lab World

SCO TECH
GERMANY

Class II B2 Biological Safety Cabinet

LCD Display
Large digital display is easy to monitor all the safety parameters at a glance and ergonomically sized control panel improves user interface.

Work Zone
Work zone, made of 304 stainless steel, is surrounded by negative pressure.

Remote Control
All functions can be realized with it, making the operation much easier and more convenient.

UV Lamp
Emission of 253.7 nanometers for most efficient decontamination.

Front Window
Two-layer laminated toughened glass>5mm, anti UV

Footmaster Caster
Universal caster with brake and leveling feet

Foot Switch
Adjust front window height by foot during experiment, to avoid airflow turbulence caused by arm movement.

Waterproof Socket
2 waterproof sockets are located in the side wall, for optimum convenience of using small devices inside the cabinet.

ADVANTAGE

1. Time reserve function.
2. Motorized front window.
3. HEPA filter life and UV life indicator.
4. Automatic air speed adjustable with filter block.
5. With memory function in case of power-failure.
6. Work area surrounded by negative pressure, it can ensure maximum safety in work area.
7. Most accessories are standard, which saves your money. There is no need to pay more.
8. Audio and visual alarm (filter replacement, window over height, abnormal air flow velocity, etc.).
9. Remote control. All functions can be realized with it, making the operation much easier and more convenient.
10. Interlock function: UV lamp and front window; UV lamp and blower, fluorescent lamp; blower and front window
11. Foot switch. Adjust front window height by foot during experiment, to avoid airflow turbulence caused by arm movement.
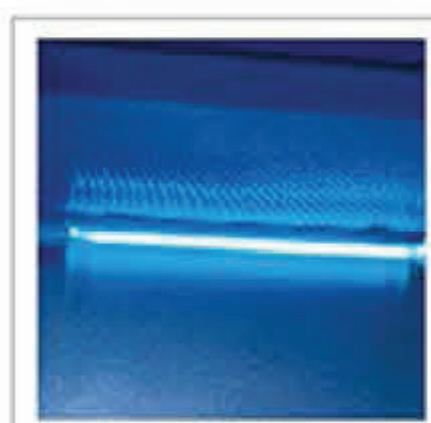
TECHNICAL PARAMETERS

Model		LF-II B2 1100	LF-II B2 1300	LF-II B2 1500	LF-II B2 1800
Internal Size (W*D*H)		940*600*660mm	1150*600*660mm	1350*600*660mm	1700*600*660mm
External Size (W*D*H)		1100*750*2250mm	1300*750*2250mm	1500*760*2250mm	1873*775*2270mm
Tested Opening		Safety Height 200mm(8")			
Max Opening		420 mm (17")	420 mm (17")	500mm (20")	480mm (20")
Inflow Velocity		0.53±0.025m/s			
Downflow Velocity		0.33±0.025m/s			
Pre-Filter		Washable			
HEPA Filter		Two, 99.999% efficiency at 0.3μm, filter life indicator.			
Front Window		Motorized, two-layer laminated toughened glass ≥ 5mm, anti UV			
Noise		NSF 49 ≤ 61dB / EN 12469 ≤ 58dB			
UV Lamp		30W*1	30W*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	14W*2	16W*2	16W*2
Illumination		≥1000Lux			
Consumption		700W	850W	900W	1200W
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		0% air re-circulation, 100% air exhaust			
Alarm		Abnormal airflow velocity; Filter replacement; Front window at unsafe height			
Exhaust Duct		4 meters PVC duct, Diameter:300mm			
Material		Work Zone: 304 stainless steel			
		Main Body: Cold-rolled steel with anti-bacteria powder coating			
Work Surface Height		750mm			
Caster		Footmaster caster			
Power Supply		AC 220V±10%, 50/60Hz; 110V±10%, 60Hz (110V/60Hz is not applicable to BSC-1800IIB2-X)			
Standard Accessory		Illuminating lamp, UV lamp*2, base stand, remote control, foot switch, exhaust blower, exhaust duct, drain valve, waterproof sockets*2, pipe strap*2			
Optional Accessory		Water and gas tap, Electric height adjustable base stand			
Gross Weight		246kg	276kg	302kg	408kg
Package	Main Body	1230*990*1810mm	1460*1050*1800mm	1650*990*1810mm	2000*950*1820mm
	Exhaust Blower (W*D*H)	970*810*630mm	970*810*630mm	970*810*630mm	970*810*680mm