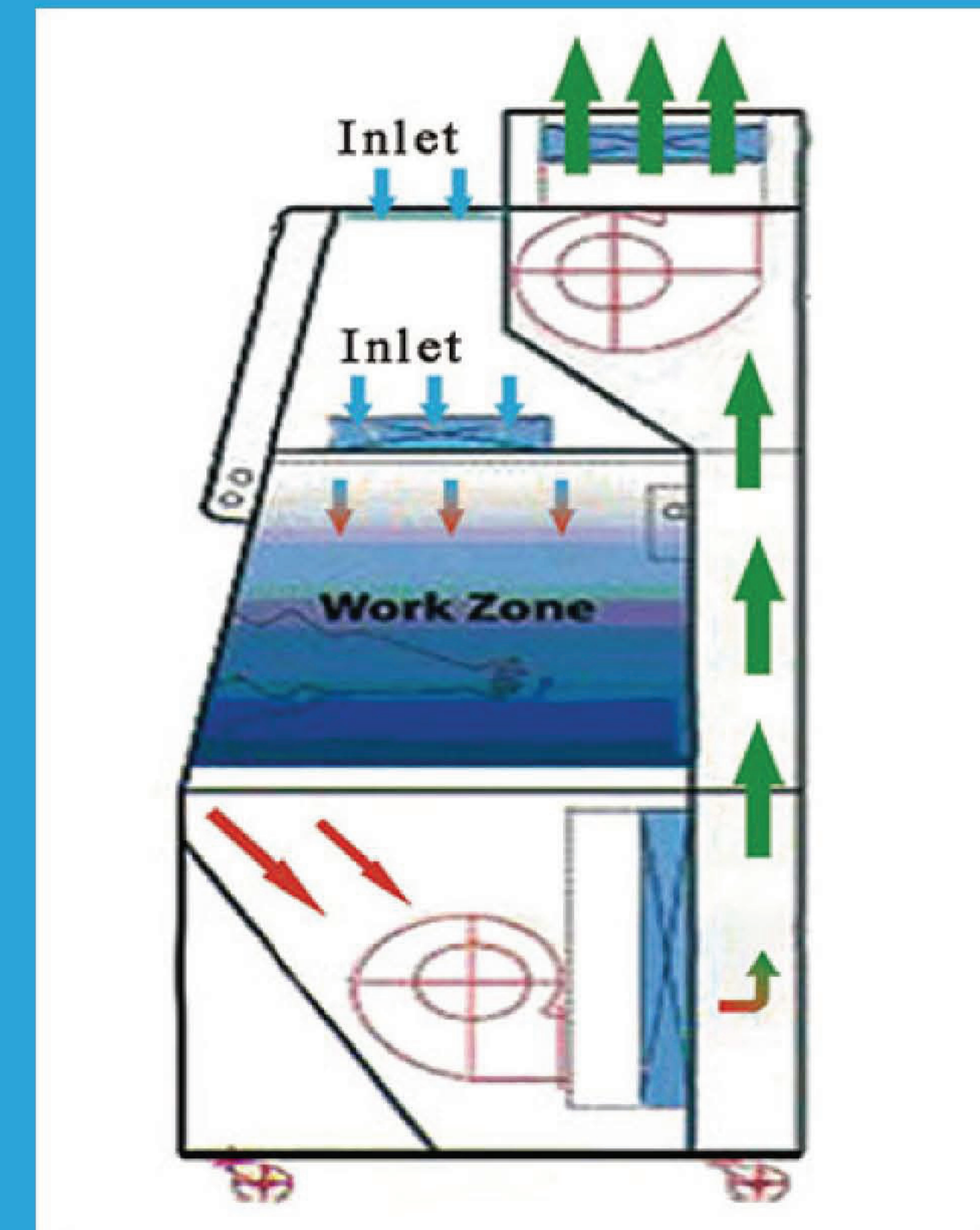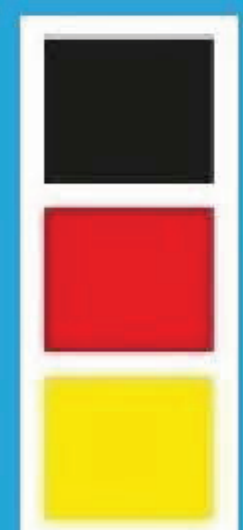# Lab World

Class III Biological Safety Cabinet

Class III Biosafety Cabinet is totally enclosed and gas-tight with ULPA filtered supply and exhaust air. Work is performed with long-sleeved gloves. The cabinet is kept under negative pressure of at least 120 Pa, and airflow is maintained by a dedicated exterior exhaust system. It can protect the operator, product and environment.

Federal Republic of Germany

Lab World

SCO TECH
GERMANY

Class III Biological Safety Cabinet

Pass Box
Double doors with interlock function and UV lamp.

Pressure Meter
Display the pressure of work zone.

SAILSORS

UV Lamp
Emission of 253.7 nanometers for most efficient decontamination.

LCD Display
Large display is easy to monitor the pressure parameters for work zone and three filters.

ADVANTAGE

1. With memory function in case of power-failure.
2. UV lamp ensures work area sterilization effectively.
3. An angled cabinet front ensures an ergonomic working posture.
4. Exhaust air is double-filtered through high-quality HEPA filters with typical efficiency of 99.999% for 0.3μm particles.
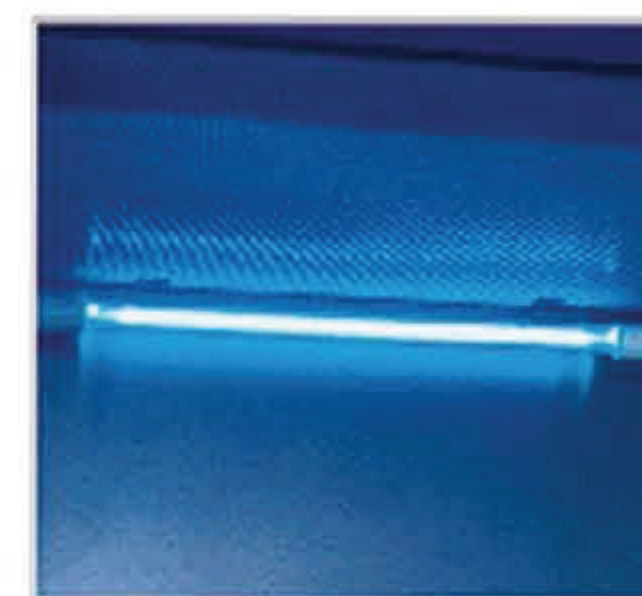
TECHNICAL PARAMETERS

Model	LF-III 154	LF-III 179
External Size(W*D*H)	1540*880*2000 mm	1790*880*2080 mm
Internal Size(W*D*H)	910*650*660 mm	1165*650*660 mm
Pass Box Size(W*D*H)	Internal Size:430*330*355mm	
	External Size:575*425*495mm	
Gloves	One pair of 800mm butyl rubber gloves	
Front Window	8 mm toughened glass, anti-ultraviolet radiation	
Display	LCD display	
Pre-Filter	Polyester fiber, washable	
Pressure	≥ negative120 Pa	
HEPA Filter	Air supply filter: Efficiency 99.999% at 0.3μm	
	First exhaust filter: Efficiency 99.999% at 0.3μm	
	Second exhaust filter: Efficiency 99.999% at 0.3μm	
Noise	NSF 49 ≤ 61dB / EN 12469 ≤ 48dB	
Alarm	Audio and visual alarm, abnormal pressure; filter replacement	
Work Zone Material	304 stainless steel	
Illumination	≥ 1000Lux	
Consumption	1200W	1300W
LED Lamp	12W*2	16W*2
UV Lamp	18W*2, 8W*1	30W*2, 8W*1
	Emission of 253.7 nanometers for most efficient decontamination	
Power Supply	AC220V±10%, 50/60Hz; 110V±10%, 60Hz	
Gross Weight	350kg	450kg
Package Size(W*D*H)	1635*1062*2160mm	1890*1065*2240mm
Standard Accessories	Gloves, fluorescent lamp, UV lamp*4, remote control, pressure meter, drain valve	