HFsafe LC Series Biological Safety Cabinet

HFsafe LC Series is the new generation Biological Safety Cabinet of Heal Force.HFsafe LC Series are independently tested and certified to NSF49(American Standard), EN12469(European Standard),CFDA,and Heal Force is a leading dafter for YY0569-2005/2011(Chinese BSC standard).

Features

Large LCD screen:The durable LCD is mounted at eye level for at-a-glance viewing of airflow, working area temperature,total running time,operating parameters, and alarm messages at real-time.

Lower Cabinet Height:Total height is 2130 / 2200mm,easily accommodated in a laboratory with lower ceiling height.

ULPA filter: Utilize the silicate glass fiber ULPA filter from World famous brand,providing more than 99.9995% typical efficiency.

Use the global high-quality self-induced blower,more power-saving, longer life and higher stability.When the airflow pressure of the filter drops by 50%, the exhaust air volume of the blower does not fall by more than 10% with automatic compensation function .

Airflow sensor: Two independent sensors (downflow/exhaust airflow) mean double security,showing the airflow speed at real-time.

Biosafety Protection Test: It passed a rigorous pressure decay test.Both KI-Discus and microbial tests ensure the safety of the environment, personnel and samples.

Filter Life Indication: Patented filter life indicator is designed to measure filter life according to actual condition of membrane.When the filter does not work properly, it will give you visual and acoustic alarm.

Ultraviolet Lamp with timing function:This function can set the opening and closing time of the ultraviolet lamp.

Active Carbon Postfilters:Real-time filter life display with a visual and audio reminder.

Energy-saving operation mode: Energy-saving function with low speed operation when the glass door is closed.

Class II,Type A2 (LC Series)

KI-Discus personnel protection test

Airflow speed monitoring

Filter integrity test

Active carbon filtration system

Model	HFsafe-900 LC	HFsafe-1200 LC	HFsafe-1500 LC	HFsafe-1800 LC	HFsafe-900 LC B2	HFsafe-1200 LC B2	HFsafe-1500 LC B2	HFsafe-1800 LC B2
Level of BSC	Class II Type A2				Class II Type B2			
Airflow Mode	70% cycle,30% exhaust				100% exhaust			
Average Airflow Velocity(Downflow)	0.35m/s				0.3m/s			
Average Airflow Velocity(Inflow)	0.53m/s				0.53m/s			
Personnel Protection Test	KI-Discus containment and microbiological testing are performed				KI-Discus containment and microbiological testing are performed			
Product Protection Test 1-8×10^6(three times in succession)	≤5 CFU				≤5 CFU			
Cross-contamination Test 1-8×10^6(three times in succession)	≤2 CFU				≤2 CFU			
Filter Type	ULPA				ULPA			
Filter Typical Efficiency	Filters provide 99.9995% typical efficiency for particle size greater than 0.12 microns				Filters provide 99.9995% typical efficiency for particle size greater than 0.12 microns			
Airflow Volume(Downflow)	≈718m³/h	≈945m³/h	≈1172m³/h	≈1280m³/h	≈605m³/h	≈796m³/h	≈987m³/h	≈1178m³/h
Airflow Volume(exhaust)	≈363m³/h	≈477m³/h	≈591m³/h	≈705m³/h	≈967m³/h	≈1273m³/h	≈1579m³/h	≈1884m³/h
RMS	≤3μm				≤5μm			
Fluorescent Light Intensity	>1000lux				>1000lux			
Sound Emission	≤60dBA	≤63dBA	≤65dBA	≤65dBA	≤65dBA	≤65dBA	≤65dBA	≤65dBA
Maximum power	1600W	1600W	2000W	2200W	2000W	2000W	2000W	2000W
Power supply	AC220±10%,50HZ				AC220±10%,50HZ			
External Dimensions with Base Stand(W×D×H)	1040×790×2130mm	1340×790×2130mm	1640×790×2130mm	1940×790×2130mm	1040×790×2200mm	1340×790×2130mm	1640×790×2130mm	1940×790×2130mm
Internal Work Area, Dimensions(W×D×H)	950×575×625mm	1250×575×625mm	1550×575×625mm	1850×575×625mm	950×575×625mm	1250×575×625mm	1550×575×625mm	1850×575×625mm