



Heal Force

HFsafe LC Series

Biological Safety Cabinet



Heal Force leads you to healthier life

The next level of performance

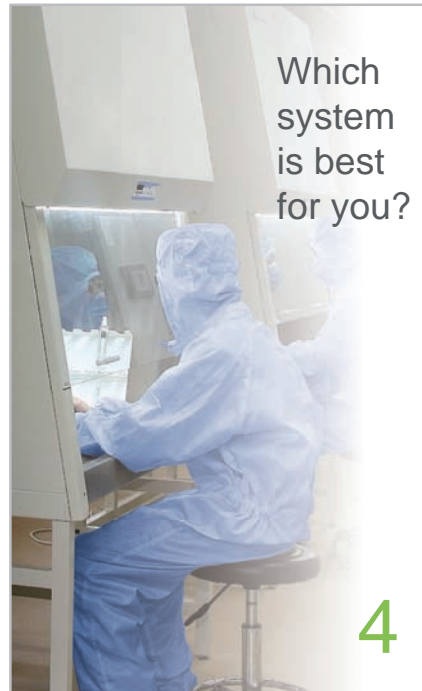
HFsafe LC Biosafety Cabinet

Product and Solution Overview

Heal Force HFsafe LC biosafety cabinets set the standard in quality, design, and innovation that comes from a heritage of over 25 years experience. At Heal Force we know how important it is to offer a high level of protection to operator, sample and environment with advanced technology. With an extensive track record of safety, reliability and performance, HFsafe LC cabinets make ideal investments for a wide range of applications including work with infectious agents that require Biosafety Level 1, 2 or 3 containment.

Biological Safety Cabinets

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What to look for in an ideal BSC?

Proven Reliability

Outstanding safety is assured through a variety of core components and features to improve cleanliness and eliminate sample contamination risk.

Energy Efficiency

From the motor controller to the lighting, new patent-pending innovations provide significant annual cost savings while maintaining superior performance.

Outstanding Comfort

With seven thoughtful features, from the view screen to the work environment and ergonomic design.

Added Conveniences

Packed with convenient features and the largest, unobstructed, usable work area in the industry, there's plenty of room for lab equipment and less hassle when managing controls.

Easy to Clean

An exceptionally reliable membrane-sealed control panel, and a one-piece work surface featuring radiused, coved corners instead of seams, allows for easy and effective cleaning.

Certified Performance

With an innovative front-access design, on-site validation, customer support packages, Maintenance is quicker and easier.

Innovation TIMELINE

Heal Force HFsafeLC biosafety cabinets set the standard in quality, design, and innovation that comes from a heritage of over 25 years' experience. With an extensive track record of safety, reliability and performance, HFsafeLC cabinets make ideal investment for a wide range of applications.



1999
Our first product line of biological safety cabinet



2005
One of drafters for YY0569 standard formulation in China



2007
The first in Asia got stringent certificate of TUV-Nord CE/GS/EN12469



2013
Launch of the energy efficient HFsafeLC series A2 BSC



2014
HFsafe LC series are tested and certified to NSF/ANSI 49



Which System is best for you?



HFsafe LC Type A2



HFsafe LC Type B2

<i>Class II</i>	<i>Type A2</i>	<i>Type B2</i>	
<i>Biotechnology</i>	Medium Preparation	<input type="radio"/>	<input type="radio"/>
	Tissue Culture	<input type="radio"/>	<input type="radio"/>
	Blood Elements Analysis	<input type="radio"/>	<input type="radio"/>
	Human Histology	<input type="radio"/>	<input type="radio"/>
	Polymerase Chain Reaction	<input type="radio"/>	<input type="radio"/>
<i>Microbiology</i>	Medium Preparation	<input type="radio"/>	<input type="radio"/>
	Culture nuisance odors	-	<input type="radio"/>
	Isolated Clinical Sample	<input type="radio"/>	<input type="radio"/>
	Blood Test/Analysis	<input type="radio"/>	<input type="radio"/>
	QA/QC	<input type="radio"/>	<input type="radio"/>
	Minute Quantities of Volatile Toxic Chemicals	-	<input type="radio"/>
<i>Pharmaceutical</i>	Trace Amount of Radionucleotides	-	<input type="radio"/>
	Antitumor drug preparation	-	<input type="radio"/>
	Trace Amount of Radionucleotides	-	<input type="radio"/>
<i>Routine research</i>	Cell/Tissue Immobilization & Staining	-	<input type="radio"/>
	Toxic Powder/ Suspended Substance	<input type="radio"/>	<input type="radio"/>

Applicable - N/A



With a range of biological safety cabinets, Heal Force has the right technology to meet every application, setting, and budget.



Global market vision

At Heal Force we know how important to design a product in compliance with current worldwide safety standards. There are three widely recognized global standards for BSC performance: NSF/ANSI 49 (American Standard), EN12469:2000 (European Standard), YY0569:2005 (Chinese Standard).



NSF/ANSI 49



HFsafeLC series are independently tested and certified to NSF/ANSI 49, By NSF International, a leading testing agency in the USA.

EN12469



Our Class II type A2 biological safety cabinets are independently tested and certified to EN12469 standard by TÜV Nord, a leading testing agency in Europe

YY0569



Heal Force, as a leading dafter for Chinese BSC standard, has HFsafeLC series independently tested and certified to YY0569

Non-compromising safety

Behind every great discovery, there is the technology that made it all possible.

Behind the primary function to provide you cleanliness and containment, there' s the technology that made it all possible. Heal Force Flow-saFe, Lab-ALeRt, Low-Vel are innovations designed to increase safety and minimize sample contamination



Flow-saFe technology is designed to ensure your safety. Laminar airflow over the working area takes containment to new levels

Smart and self-induced motor monitors and controls fan speed in real time to maintain constant airflow during filter loading or temporary obstruction.

Patented Flow-saFe system automatically balances the downflow and inflow velocities to maintain user and sample protection

Uniform, non-turbulent air stream protects against cross-contamination within the work area



Complete your operation requirements with Heal Force Lab-ALeRt monitoring solution. Lab-ALeRt makes the monitoring of your biosafety cabinet easier than ever. You can keep a constant check on the airflow, window position etc.- anytime, anywhere.

Monitoring system alerts user when containment is compromised

Independent sensors detect airflow changes constantly to ensure safe operating conditions.

Airflow velocities are displayed on the control panel for monitoring and recording.

Visual and acoustic alarm for indication of unsafe airflow conditions and window position

A sash position indicator decal provides a visual confirmation of the proper working height



Save energy, maintains sterility

When the front sash is closed, our intelligent speed control automatically reduces flow speed
Less air flows through the ULPA filters, extending filter life and decreasing energy consumption.

Continuous airflow helps to maintain a sterile working environment, even when the cabinet is not in use



Hy-ChamBer plenum design with long life and lasting containment surrounds contaminated areas

Negative-pressure, dual side walls prevent the possibility of contamination from leaks to the exterior environment

Enhanced comfort and convenience



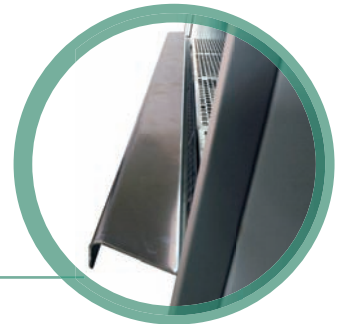
10 ° backward-slanted safety grade glass provides protection from explosion and UV with more comfortable viewing than vertical sashes.



Counterbalanced sliding sash can be raised to a maximum height for easy introduction of large items



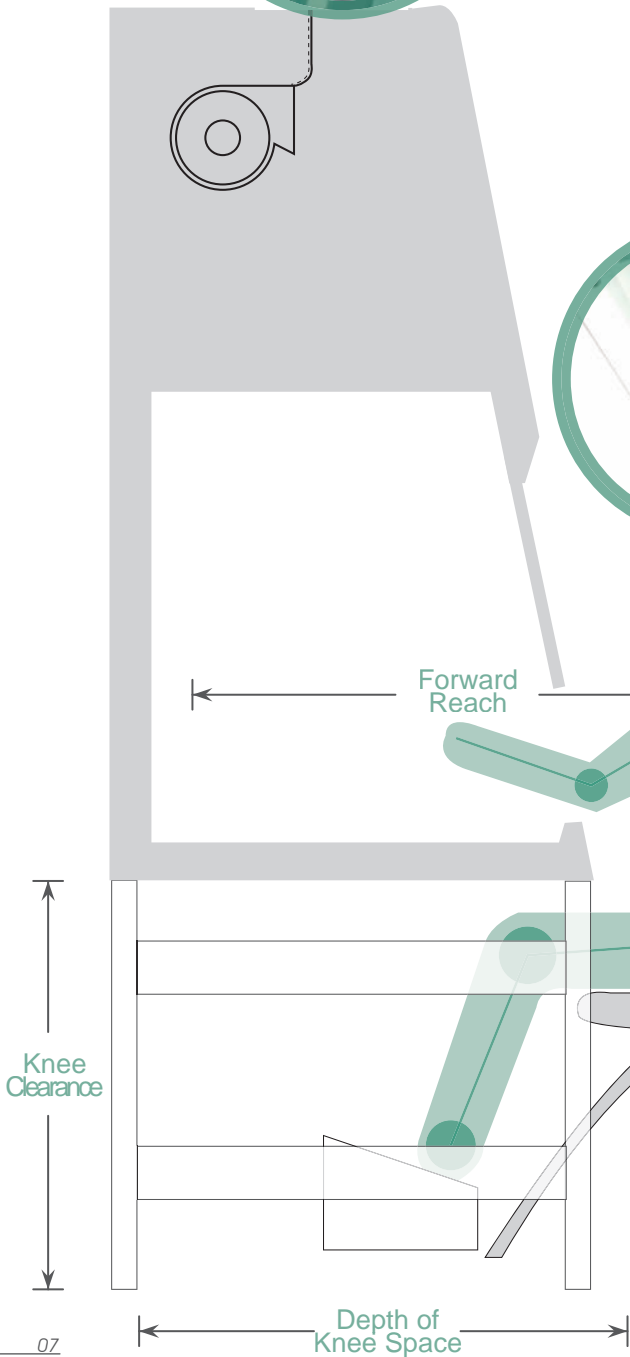
The position of the light tubes ensure excellent illumination over the whole working zone and reduces operator fatigue.



The radiused edge prevents the potentially dangerous practice of placing materials in this area



Silent working conditions save your brain, you can concentrate on work and even hear yourself thinking.



UV Decontamination

Programmable automatic UV light timer simplifies operation while extending UV lamp life and saving energy.

Powerful UV irradiation illuminates entire work area, design to ensure thorough disinfection of the complete chamber

UV lamp with interlocking safety switch allowing operation only when blower and fluorescent light are off and sash is fully closed

Unique hidden UV lamp protects operator' s eyes from hurt



Easy to Clean

The cabinet work zone has no welded joints to collect contaminants or rust.

Details of cabinet developed further to ensure easier cleaning with normal cleaning solvents

Airflow laminator protects the filter surface during wipe cleaning.

Optional multiple piece stainless steel work surface is easier to remove and put into autoclave / washer.

Bottom sink is made of stainless steel type 304 with round corners and draining valves



How to set a new benchmark

Self-induced Blower

German made ebm-papst motors selected for energy efficiency, compact design, and flat profile. Synchronously communicates with microprocessor, there is no need for manual speed control. Automatically compensates for normal power line variation, air disruption and filter loading. Motor consumes less energy, reduces heat output and operates more quietly.



ULPA Filtration System

HFsafe LC biosafety cabinets are equipped with long life ULPA filtration technology by Swedish Camfil Farr

Supply and exhaust filters provide 99.999% typical efficiency for particle size of 0.1 to 0.2 microns, providing superior product protection over conventional HEPA filters.

Silicate glass fiber treated with moisture-proof hydrophobic bonding agent is folded in aluminum alloy frame to enlarge filtration area.

Leak-free performance is guaranteed through structural stability and scan test conducted prior to shipping.

Self-compensation for the clogging of filters optimizes filter use and minimizes service.



Filter Life Indication

Filters has estimated service life, which is uncertain subject to different local air quality, research subjects and operation frequency.

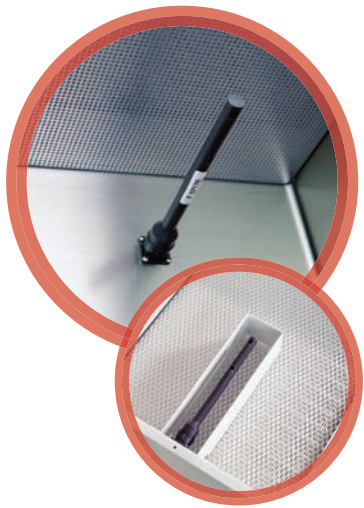
There is potential pollution hazard if operator is unconscious to filter expiration

Patented filter life indicator is designed to measure filter life according to actual condition of membrane.

You can rely on filter life indicator to make a confident plan for future filter replacement.



mark for the whole industry?



Exhaust airflow sensor

Airflow velocity monitoring

Temperature-compensated airflow sensors monitor the airflow constantly to ensure safe operating conditions are maintained.

Two independent sensors (downflow/exhaust airflow) mean double security.

Downflow sensor provides instant and precise feedback to the blower so that its speed remains constant regardless of changes in conditions, such as filter loading

Velocities of airflow and temperature are inspected at real-time, and indicated on the control panel

Alarm thresholds ($\pm 10\%$ of the control point) are precisely controlled via microprocessor which guarantees excellent airflow performance

Friendly Communication

The durable LCD is mounted at eye level for at-a-glance viewing of airflow, operating parameters, and alarm messages.

The intuitive interface delivers a constant read-out of working area temperature, air velocity/volume, filter life span, total running time.

Easy-to-clean touchpad controls allow manual activation of blower, lamp, UV, electrical receptacles and menu selection.

Engage the security lock feature to prevent access to the cabinet by unauthorized or unfamiliar users.



Control Panel for HFsafe LC

Robust Construction & Compact Design

Energy saving epoxy/polyester coated steel exterior with solid construction, nice looking curves and fresh colour

Constructed of seamless, non-porous, autoclavable Type 304 stainless steel for working plate, one-piece side/rear walls and bottom sink.

Slim, compact design and dimensions allows for easy positioning and location in the laboratory, can be easily transported through standard 800 mm doorways.

The low cabinet height allows the choice of bench top location or mounting on a support stand, easily accommodated in a laboratory with 2.5m ceiling height.



Options and Accessories

Support stand

Saves lab bench space and ensure stability & ergonomic working position
Standard heights available: 560mm (22.0") , 660mm (34.0") or 760mm (29.9")
Manual adjustable leveling feet to compensate for ground unevenness.
Available with castors (option) for easy re-location or transportation.
Durable polyurethane caster wheels with 360 degree horizontal rotation



Ultraviolet Lamp Kits

Controlled by automatic UV lamp timer through microprocessor control panel
Emission of 253.7 nanometers for most efficient decontamination
Lamp is positioned away from operator line of sight for safety and proper exposure to interior surfaces
Optional mobile UV lamps strengthen the decontamination effect



Prefilters

Optional prefilters can be located beneath the work surface, prevents wipes from being drawn into the blower where they could damage components and alter airflow.



Contact Heal Force for ordering information and technical assistance in selecting the right ductwork for your installation.

Illumination Light

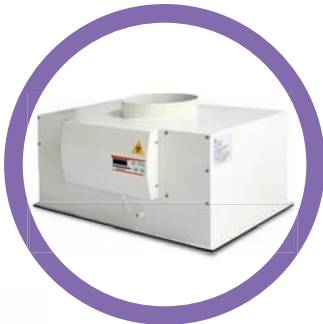
Illumination light provides sufficient brightness to the working chamber. There are two illumination lamps located at inner side of the front panel.

Worktop

The polished, standard stainless steel Multi-piece table top is easy to remove for cleaning

This flexibility of work top choice enables the HFsafe LC to be configured to suit your exact practical requirements.

Other options are available to suit customer requirements



Active Carbon Postfilters

Disposable, impregnated carbon filters (AAF) trap non-volatile nuisance odors of chemicals in the exhaust airflow.

Mount atop the biosafety cabinet.

Independent display panel for pressure, temperature, working time of filtration system

Coordinated control with biosafety cabinet, which can adjust the exhaust air volume automatically to minimize filter load variation effect.

Real-time filter life display with a visual and audio reminder.



Others

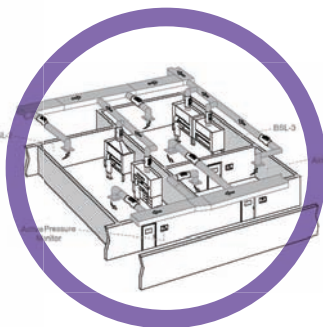
Two electrical duplex receptacles, with ground fault interruption and splash covers.

Service valves for Gas, Water and Vacuum mounted on side wall.

PVC Armrest Chemically treated, improves operator comfort, easy to clean

Foot pedal for front window control

Loop heat sterilizer



Exhaust connection fitting

If biosafety cabinets are used for minute quantities of volatile toxic chemicals and trace amounts of radionucleotides required as an adjunct to microbiological research, they must be exhausted through properly functioning exhaust canopies.

The extraction of exhaust air from HFsafe LC cabinet is usually achieved by either a dedicated or "shared" extract duct, in either case it is always via an electric closed exhaust valve & constant flow rate valve with a coordinated control system.



Service Access & Validation

All services, adjustments and filter change is carried out from the front of the cabinet.

Service Access

Help for certifiers, the hinged maintenance assembly opens to a fixed position on integrated, gas spring struts providing front service access. Consequently, the cabinet can remain in situ without making any positional changes in your laboratory or having to disconnect any ducting.

All service is performed from the front of the cabinet, including:

Change of HEPA filters:

Fluorescent lamps

UV lamps

Adjustment or change of circuit boards and sensors

All adjustments to alarms, fan speeds, and DOP valves are made via the microprocessor control panel

Service code protected

Validation

Heal Force offers a wide range of high quality services for all our equipment. These services include on-site validation, customer support packages, factory acceptance testing.

Choose Heal Force as an equipment supplier and validation consultant can greatly reduce the time and cost involved with getting new equipment compliant and ready for use.

Unique services Heal Force Offers:

On-site consultation

Unit specific authorized protocol documents

Customizable testing procedures to meet customer specific requirements

Unbiased testing of competitive equipment

Pre-delivery Services:

Validation support

Consultation

Factory acceptance testing

On-site Services:

Installation qualification

Operational qualification

Calibration



Standards & Test

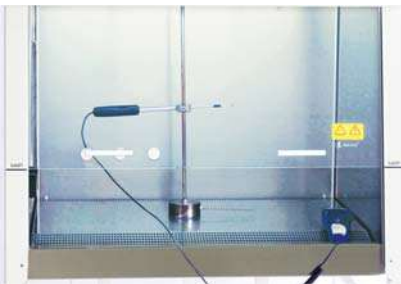
Standards Compliance

Biosafety Cabinets	EN12469, Europe, Certified by TUV NORD / NSF-49,USA / SFDA YY0569, China / SANS 12469, South Africa
Air Quality	ISO 14644.1, Class 3, Worldwide
Filtration	EN-1822(H14), Europe / IEST-PR-CC001.3, Worldwide / IEST-PR-CC007.1, Worldwide / IEST-PR-CC034.1, Worldwide
Electrical Safety	EN61010-1, Europe / IEC61010-1, Worldwide / CSA C22.2 No. 61010-1-12 / UL 61010-1:2012

Comprehensive performance testing

Every HFsafe model manufactured by Heal Force is individually tested, documented by serial number and validated with the following test methods.

Inflow/downflow velocity



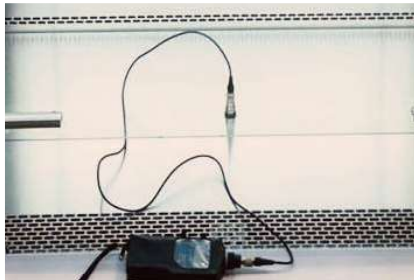
Air particle count test



UV radiation test



scan test for filters



Vibration test



Illumination test

KI Discus Containment Test According to EN12469 (Potassium Iodide)

Heal Force is currently one of the few companies in the world equipped to perform the KI Discus test for validating the operator/personnel protection capabilities of biosafety cabinet.

The KI Discus test shows excellent correlation with the microbiological test method for operator protection, and is useful for validating the actual containment performance of the cabinet on-site.

The KI-Discus takes only 45 minutes as opposed to 2 days for microbiological testing. Thus, Each HFsafe model is factory tested on a sampling basis using the KI-Discus method for operator safety.

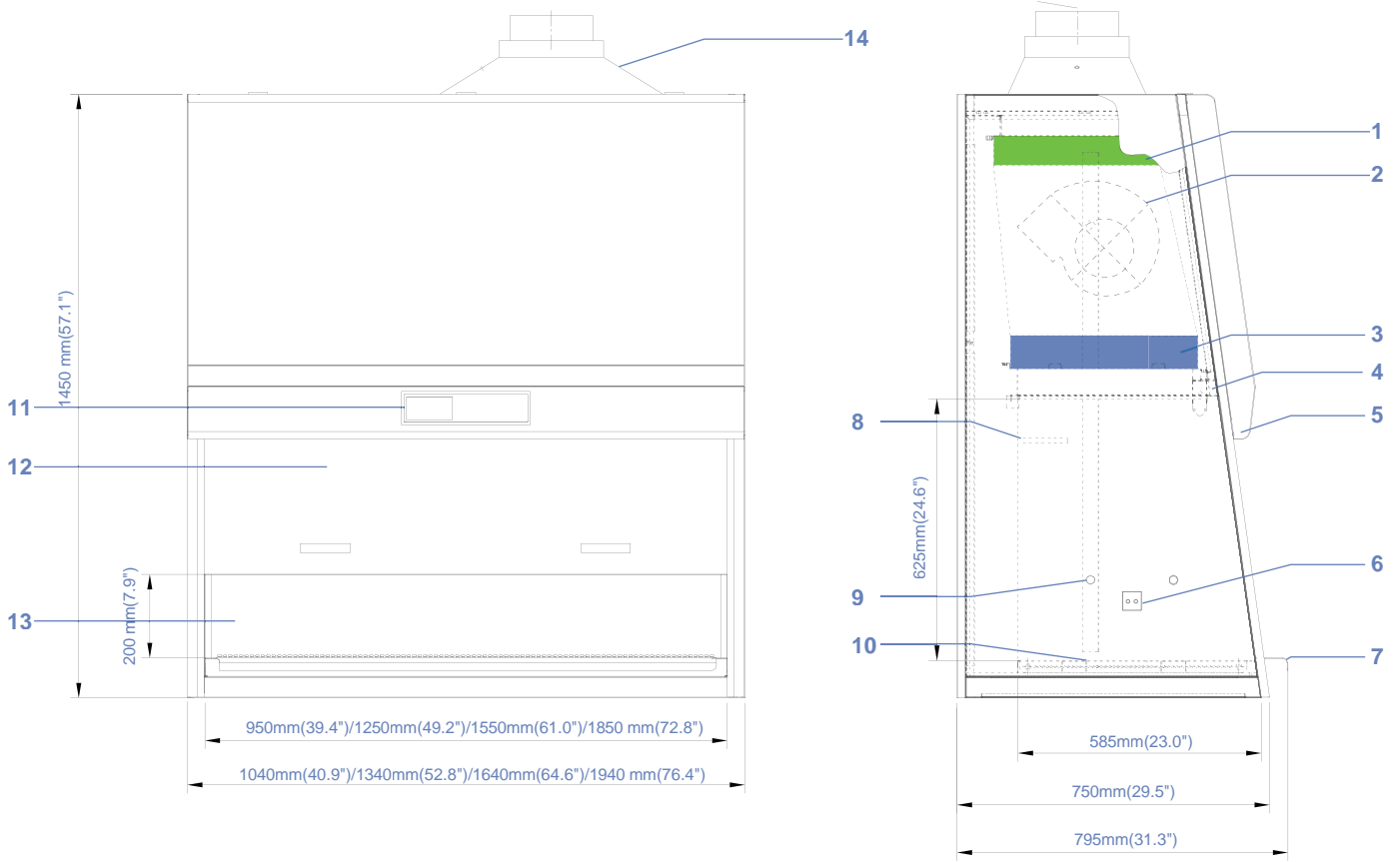


KI-discus containment test 2



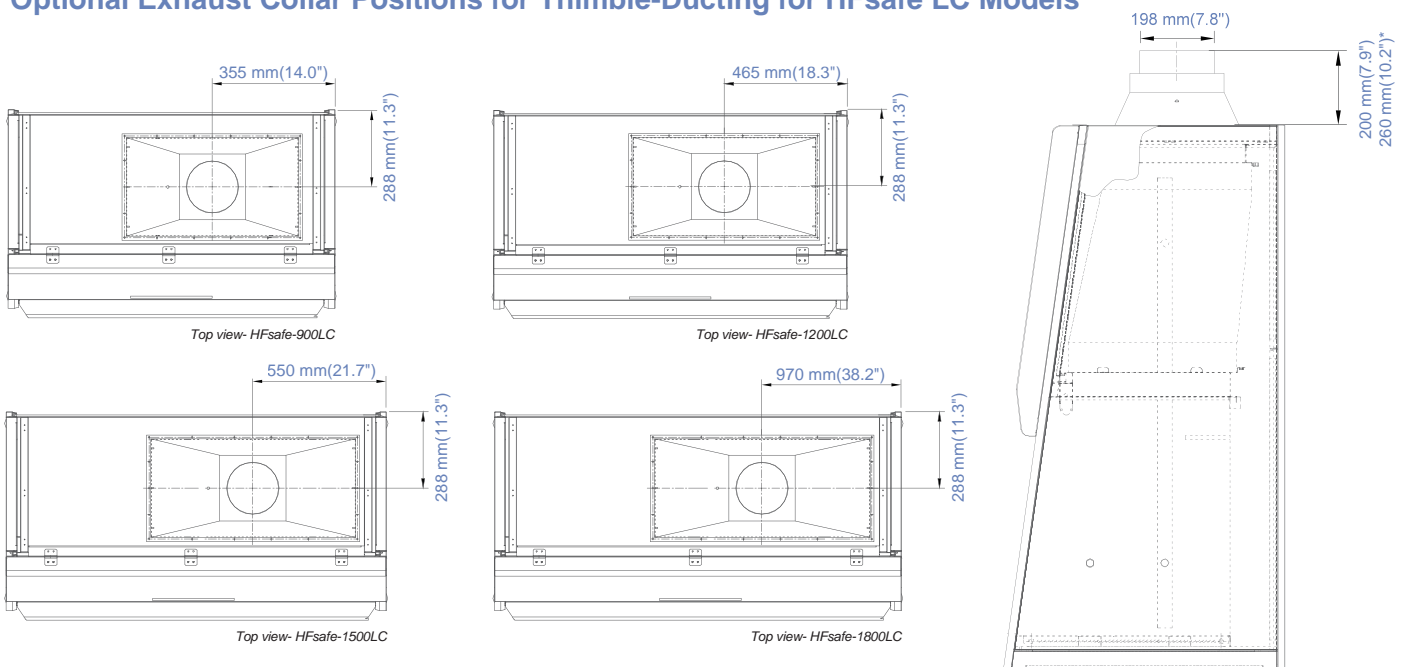
KI-discus containment test 1

HFsafe LC Biological Safety Cabinet Technical Specification



- | | | |
|---------------------|--|---|
| 1.Exhaust filter | 6.Universal electrical outlet
(2 single outlets in work zone) | 10.Stainless steel single-piece work tray |
| 2.Blower. | 7.Stainless steel armrest | 11. Micro processor control system |
| 3.Downflow filter | 8.Downflow sensor | 12.Manual sliding sash |
| 4.Standard UV light | 9.Gas /vacuum/water service fixture | 13.Single piece stainless steel back wall and side wall |
| 5.Fluorescent light | | 14. Thimble exhaust collar (optional) |

Optional Exhaust Collar Positions for Thimble-Ducting for HFsafe LC Models



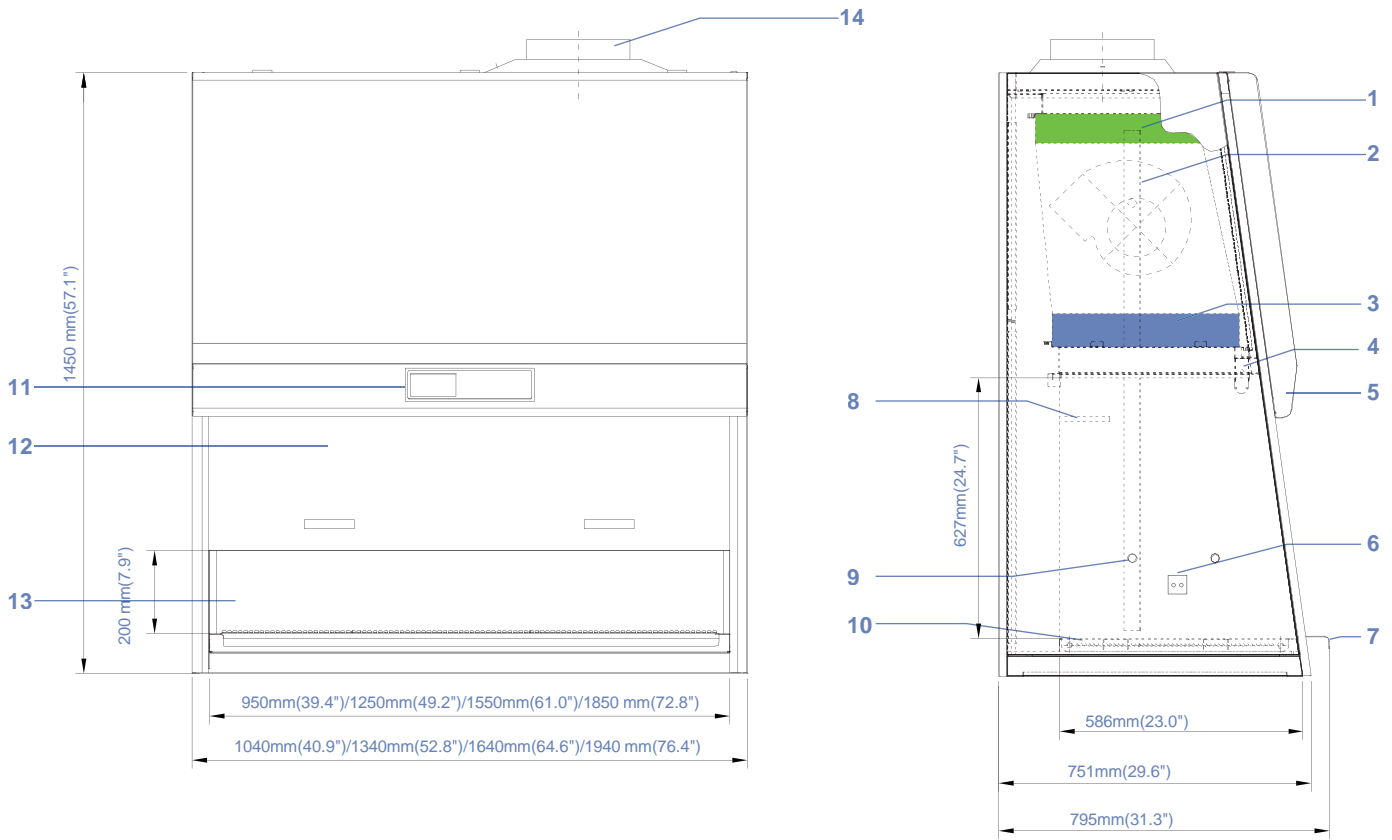
*Applicable for opening exhausting connection

General Specifications, HFsafe LC Biological Safety Cabinets (Class II Type A2)

Model	HFsafe-900LC	HFsafe-1200LC	HFsafe-1500LC	HFsafe-1800LC
Nominal Size	0.9 meters(3')	1.2 meters(4')	1.5 meters(5')	1.8 meters(6')
External Dimensions with Base Stand (WxDxH)	1023x771x2255mm 40.3"x30.4"x88.8"	1323x771x2255mm 52.1"x30.4"x88.8"	1623x771x2255mm 63.90"x30.4"x88.8"	1923x771x2255mm 75.7"x30.4"x88.8"
Internal Work Area, Dimensions(WxDxH)	900x600x678mm 35.4"x23.6"x26.7"	1200x600x678mm 47.2"x23.6"x26.7"	1500x600x678mm 59.1"x23.6"x26.7"	1800x600x678mm 70.9"x23.6"x26.7"
Internal Work Area, Space	0.54m ² (5.8 sq.ft)	0.72m ² (7.8 sq.ft)	0.9m ² (9.7 sq.ft)	1.08m ² (11.6 sq.ft)
Average Airflow Velocity *				
Inflow	0.53m/s(104.3fpm)	0.53m/s(104.3fpm)	0.53m/s(104.3fpm)	0.53m/s(104.3fpm)
Downflow	0.35m/s(68.9fpm)	0.35m/s(68.9fpm)	0.35m/s(68.9fpm)	0.35m/s(68.9fpm)
Airflow Volume				
Inflow	363m ³ /h(213cfm)	477m ³ /h(281cfm)	592m ³ /h(348cfm)	706m ³ /h(416cfm)
Downflow	658m ³ /h(377cfm)	866m ³ /h(510cfm)	1075m ³ /h(633cfm)	1282m ³ /h(755cfm)
Exhaust	363m ³ /h(213cfm)	477m ³ /h(281cfm)	592m ³ /h(348cfm)	706m ³ /h(416cfm)
ULPA Filter Typical Efficiency				
Downflow	Filters provide 99.9995% typical efficiency for particle size of 0.1 to 0.2 microns			
Exhaust	Filters provide 99.9995% typical efficiency for particle size of 0.1 to 0.2 microns			
Biosafety Protection Test				
Personnel Protection Test	KI-Discus containment and microbiological testing is performed			
Product Protection Test 1~8x10 ⁶ (three times in succession)	≤5CFU	≤5CFU	≤5CFU	≤5CFU
Cross-contamination Test 1~8x10 ⁶ (three times in succession)	≤2CFU	≤2CFU	≤2CFU	≤2CFU
Sound Emission (Typical)				
NSF/ANSI 49	<60dBA	<62dBA	<62dBA	<65dBA
EN 12469	<57dBA	<59dBA	<60dBA	<62dBA
Fluorescent Light Intensity	800~1200 Lux (74~112 foot candles)			
Excellent light distribution	Yes	Yes	Yes	Yes
RMS	≤2.3µm	≤2.3µm	≤2.3µm	≤2.3µm
Cabinet Construction				
Main Body	1.2mm(0.05") steel with white oven-baked epoxy-polyester			
Work Zone	1.5mm(0.06") stainless steel, type 304			
Side Walls	1.5mm(0.06") stainless steel, type 304			
Electrical sliding windows Option	Yes	Yes	Yes	Yes
Window material	Hardened/laminated safety glass			
Electrical				
Cabinet Full Load Amp(FLA)	2A	2A	4A	4A
Fuses	10A	10A	10A	10A
Cabinet Nominal Power	361W	452W	813W	850W
Optional Outlets FLA	5A	5A	5A	5A
Total Cabinet FLA	7A	7A	9A	9A
Power Supply*				
220V/50Hz	Yes	Yes	Yes	Yes
220V/60Hz	Yes	Yes	Yes	Yes
110V/60Hz	Yes	Yes	N/A	N/A
Net Weight				
Manual Type	120kg(264lbs)	225kg(496lbs)	280kg(617lbs)	320kg(705lbs)
Shipping Weight				
Manual Type	175kg(386lbs)	295kg(650lbs)	350kg(772lbs)	390kg(860lbs)
Shipping Dimensions Maximum(WxDxH)	1125x945x1717mm 46.3"x37.2"x67.3"	1425x945x1717mm 56.1"x37.2"x67.3"	1725x945x1717mm 67.9"x37.2"x67.3"	2026x945x1717mm 79.8"x37.2"x67.3"
Shipping Volume, Maximum	1.81m ³ (63.9cu.ft.)	2.30m ³ (81.2cu.ft.)	2.79m ³ (98.5cu.ft.)	3.27m ³ (115.5cu.ft.)

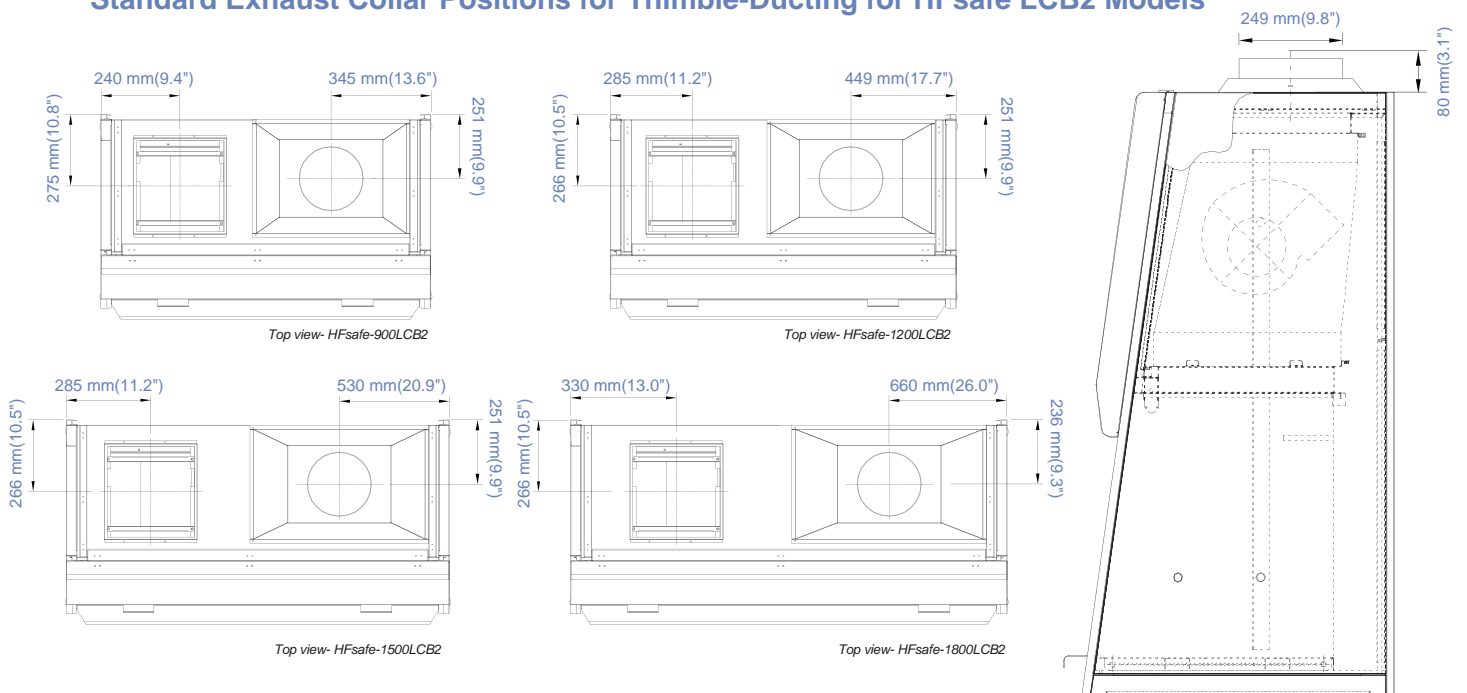
* Please contact us for more optional power supply information

HFsafe LCB2 Biological Safety Cabinet Technical Specification



- | | | |
|---------------------|-------------------------------------|---|
| 1.Exhaust filter | 6.Universal electrical outlet | 10.Stainless steel single-piece work tray |
| 2.Blower. | (2 single outlets in work zone) | 11. Micro processor control system |
| 3.Downflow filter | 7.Stainless steel armrest | 12.Manual sliding sash |
| 4.Standard UV light | 8.Downflow sensor | 13.Single piece stainless steel back wall and side wall |
| 5.Fluorescent light | 9.Gas /vacuum/water service fixture | 14.Thimble exhaust collar |

Standard Exhaust Collar Positions for Thimble-Ducting for HFsafe LCB2 Models



General Specifications, HFsafe LCB2 Biological Safety Cabinets (Class II Type B2)

Model	HFsafe-900LCB2	HFsafe-1200LCB2	HFsafe-1500LCB2	HFsafe-1800LCB2
Nominal Size	0.9 meters(3')	1.2 meters(4')	1.5 meters(5')	1.8 meters(6')
External Dimensions with Base Stand (WxDxH)	1040x710x2130mm 40.9"x30.0"x83.9"	1340x710x2130mm 52.8"x30.0"x83.9"	1640x710x2130mm 64.6"x30.0"x83.9"	1940x710x2130mm 76.4"x30.0"x83.9"
Internal Work Area, Dimensions(WxDxH)	950x575x625mm 37.4"x22.6"x24.6"	1250x575x625mm 49.2"x22.6"x24.6"	1550x575x625mm 61.0"x22.6"x24.6"	1850x575x625mm 72.8"x22.6"x24.6"
Internal Work Area, Space	0.54m ² (5.8 sq.ft)	0.72m ² (7.8 sq.ft)	0.9m ² (9.7 sq.ft)	1.06m ² (11.4 sq.ft)
Average Airflow Velocity *				
Inflow	0.53m/s(104.3fpm)	0.53m/s(104.3fpm)	0.53m/s(104.3fpm)	0.53m/s(104.3fpm)
Downflow	0.30m/s(59.1fpm)	0.30m/s(59.1fpm)	0.30m/s(59.1fpm)	0.30m/s(59.1fpm)
Airflow Volume				
Inflow	363m ³ /h(214cfm)	477m ³ /h(281cfm)	592m ³ /h(348cfm)	706m ³ /h(416cfm)
Exhaust	927m ³ /h(546cfm)	1220m ³ /h(718cfm)	1515m ³ /h(892cfm)	1805m ³ /h(1062cfm)
Filter Typical Efficiency				
Downflow	ULPA filters provide 99.9995% typical efficiency for particle size of 0.1 to 0.2 microns			
Exhaust	HEPA filters provide 99.97% typical efficiency for particle size of 0.3 microns			
Biosafety Protection Test				
Personnel Protection Test	KI-Discus containment and microbiological testing is performed			
Product Protection Test 1~8x10 ⁶ (three times in succession)	≤5CFU	≤5CFU	≤5CFU	≤5CFU
Cross-contamination Test 1~8x10 ⁶ (three times in succession)	≤2CFU	≤2CFU	≤2CFU	≤2CFU
Sound Emission (Typical)				
	800~1200 Lux (74~112 foot candles)			
NSF/ANSI 49	<60dBA	<62dBA	<62dBA	<65dBA
EN 12469	<57dBA	<59dBA	<60dBA	<62dBA
Fluorescent Light Intensity				
Excellent light distribution	Yes	Yes	Yes	Yes
RMS	≤3μm	≤3μm	≤3μm	≤3μm
Cabinet Construction				
Main Body	1.2mm(0.05") steel with white oven-baked epoxy-polyester			
Work Zone	1.5mm(0.06") stainless steel, type 304			
Side Walls	1.5mm(0.06") stainless steel, type 304			
Electrical sliding windows Option	Yes	Yes	Yes	Yes
Window material	Hardened/laminated safety glass			
Electrical				
Cabinet Full Load Amp(FLA)	4A	4A	5A	5A
Fuses	10A	10A	10A	10A
Cabinet Nominal Power	850W	855W	1200W	1200W
Optional Outlets FLA	5A	5A	5A	5A
Total Cabinet FLA	9A	9A	10A	10A
Power Supply*				
220V/50Hz	Yes	Yes	Yes	Yes
220V/60Hz	Yes	Yes	Yes	Yes
Net Weight				
Manual Type	210kg(463lbs)	250kg(551lbs)	295kg(650lbs)	340kg(750lbs)
Shipping Weight				
Manual Type	260kg(573lbs)	310kg(683lbs)	365kg(804lbs)	420kg(926lbs)
Shipping Dimensions Maximum(WxDxH)	1125x945x1710mm 44.3"x37.2"x67.3"	1425x945x1710mm 56.1"x37.2"x67.3"	1725x945x1710mm 67.9"x37.2"x67.3"	2026x945x1710mm 79.8"x37.2"x67.3"
Shipping Volume, Maximum	1.81m ³ (64cu.ft.)	2.30m ³ (81cu.ft.)	2.79m ³ (99cu.ft.)	3.27m ³ (115cu.ft.)

* Please contact us for more optional power supply information

Heal Force Laboratory Equipment

Heal Force specialises in the design, development, manufacture and sales of laboratory equipments in the fields of Biosafety protection, Centrifugation, Cell culture, Water purification & Gene amplification.



Biosafety Cabinet

Heal Force brand stands for the highest standards of safety, ergonomics and performance. Taking advantage of a heritage from over 25 years experience, Heal Force offers safety features, options and accessories beyond the standard requirements, to fulfill virtually all needs. Thousands of units installed in laboratories in more than 100 Countries.

Centrifuge

Neofuge, the name that defines quality centrifuges from Heal Force. Offering bench-top high speed models with or without refrigeration for today' s discerning laboratory technicians. Neofuge series provide excellent centrifugal effect and maximum application versatility.

CO₂/Tri-Gas Incubator

Heal Force Smart Cell incubator provides you with unsurpassed natural simulation to ensure optimum growth conditions for you culture at all time. That's why it becomes the first choice of researchers in fields of application including tissue engineering, in vitro fertilization, neuroscience, cancer research and other mammalian cell researches.

Water Purification

Well-proved Heal Force water purification system offers ideal and comprehensive solution for a choice of water qualities that range from primary for simple routine washing and rinsing, through to ultra-high grade for the most critical science and analytical applications.

Thermal Cycler

Since PCR is central for molecular biology research, you need flexible solutions that can help you achieve PCR success for virtually any application. Heal Force has been developing new cycling platforms from economical option to advanced series to empower your search. These instruments are renowned for their reliability, accuracy, and user-friendly interfaces.



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