

GALLENKAMP BIOLOGICAL SAFETY CABINETS



G A L L E N K A M P

FEATURES

- 200mm height window front with $\pm 5\text{mm}$ precision position alarm
- Filter life indication with audio and visual alarm system
- Integrative stainless steel inner structure and covered corner facilitate cleaning
- Integrated armrest enhances user comfort and prevents airflow disorder
- 10° inclined angle sash offers wider and brighter operation zone
- Foot control is available
- 2 built-in waterproof sockets enable device operation
- 3 valves for extendable functions
- User-friendly control panel



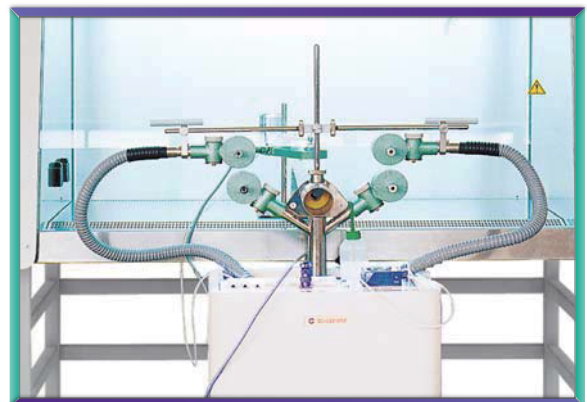
Leak Test



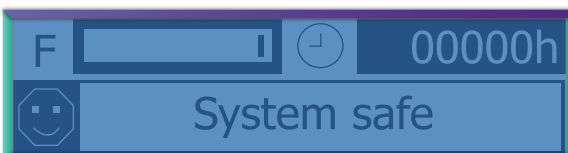
KI-Disc Containment Test (1)



Filter Life Indicator (For Type A2 Manual-control Models)



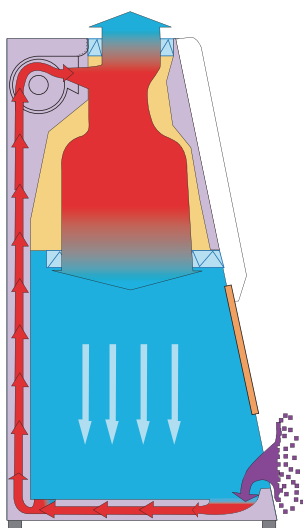
KI-Disc Containment Test (2)



Filter Life Indicator (For Type A2 Motorized-control)

SAFETY FEATURES

- Downflow without eddy currents and dead air pockets in operation zone
 - Negative pressure protection
 - Non air leakage from operation zone
 - High efficient HEPA and ULPA filters
 - Strict KI-Discus containment test
 - Cabinet & filters leakage DOP test
 - UV interlock provides additional safety by prohibiting UV light unless the front window is fully closed
 - UV disinfection timer (30 and 60 minutes)
 - UV-resistant & toughened safety glass front window
 - Vertical laminar airflow provides protection for operators, samples and environment.
 - Interchangeable inflow and downflow velocity and volume
 - Password protection
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- 30% air exhaust
 - 70% air circulation
 - Average Airflow Velocity at 0.53 m/s
 - Negative pressure air surrounding all biological contaminated parts



- Inflow Air
- Negative Flow
- Unfiltered Air
- Filtered Air



SAFETY IS PARAMOUNT



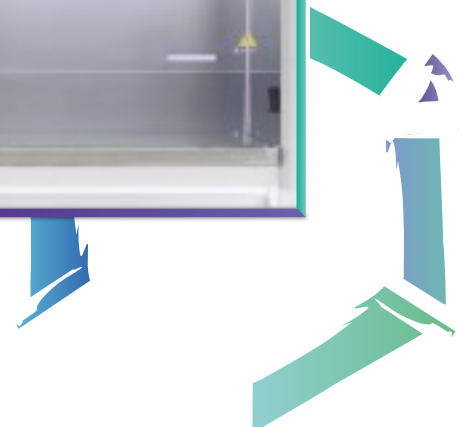
- Patented Flow-saFe system automatically balances the downflow and inflow velocities to maintain user and sample protection.
- You can keep a constant check on the airflow, window position etc.- anytime, anywhere.
- When the front sash is closed, our intelligent speed control automatically reduces flow speed.
- Negative-pressure, dual side walls prevent the possibility of contamination from leaks to the exterior environment.

ENHANCED COMFORT AND CONVENIENCE

- 10 ° backward-slant provides protection with more comfortable viewing than vertical sashes.
- Counter-balanced sliding sash can be raised to a maximum height for easy introduction of large items.
- The radiused edge prevents the potentially dangerous practice of placing materials in this area.
- Constructed of seamless, non-porous, autoclavable Type 304 stainless steel.

UV DECONTAMINATION

- Programmable UV light timer simplifies operation while extending life time
- Powerful UV irradiation ensures thorough disinfection of the complete chamber.
- UV lamp with interlocking safety switch function is designed for your safety.
- Unique hidden UV lamp protects the operator's eyes





EASY TO CLEAN

- The cabinet work zone has no welded joints to collect contaminants or rust.
- The K960 thermal cycler has the most advanced semiconductor technology based on Peltier
- 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

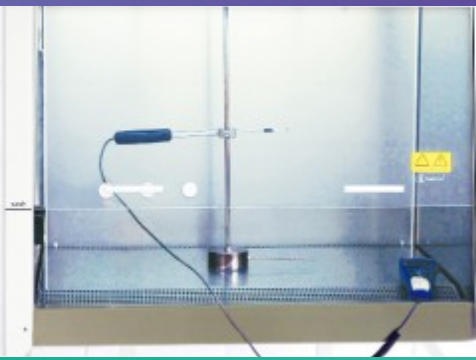


- LCD is mounted at eye level for at-a-glance viewing of airflow, operating parameters, and alarm messages.
- The intuitive interface delivers a constant read-out of working area temperature, air velocity/volume, filter life span, total running time.
- Patented filter life indicator is designed to measure filter life according to actual condition of membrane.
- Negative-pressure, dual side walls prevent the possibility of contamination from leaks to the exterior environment.



COMPREHENSIVE PERFORMANCE TESTING

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



Inflow/Downflow Velocity



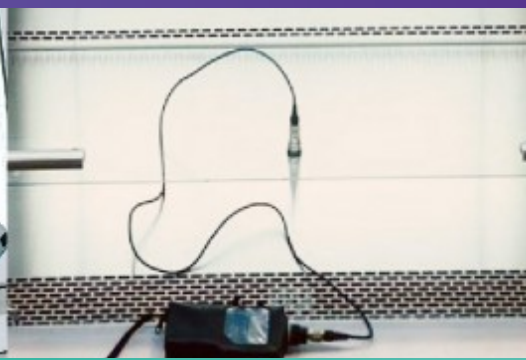
Air particle count test



UV radiation test



Scan test for filters



Vibration test



Illumination test



- One of the few companies in the world equipped to perform the KI-Discus test for validating the operator/personnel protection capabilities
- 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 GKsafe model is factory tested on a sampling basis using the KI-Discus method for operator safety.

Code	Model	Description	External Dimensions WxHxD mm	Internal Dimensions WxHxD mm
GKSafe-1200LC	1200LC	Class II Type A2 Biological Safety cabinet Manual control, ULPA filter, 30% Air Exhaust. Interlocked UV light	1340x790x2130	1250x575x625
GKSafe-900LC	900LC	Biological safety cabinet Manual control, ULPA filter, 30% Air Exhaust. Interlocked UV light.	1040x790x2130	1250x575x625
GKSafe-1500LC	1500LC	Biological safety cabinet Manual control, ULPA filter, 30% Air Exhaust. Interlocked UV light.	1640x790x2130	1550x575x625
GKSafe-1800LC	1800LC	Biological safety cabinet Manual control, ULPA filter, 30% Air Exhaust. Interlocked UV light.	1940x790x2130	1850x575x625
GKSafe-900LA	900LA	Class II Type A2 Biological Safety cabinet Motorised control, ULPA filter, 30% Air Exhaust. Interlocked UV light.		
GKSafe-1200LA	1200LA	Class II Type A2 Biological Safety cabinet Motorised control, ULPA filter, 30% Air Exhaust. Interlocked UV light.		
GKSafe-900LCB2	900LCB2	Class II Type B2 Biological safety cabinet Manual control, UPLA and HEPA filters, 100% Air Exhaust.	1040x790x2200	950x575x625
GKSafe-1200LCB2	1200LCB2	Class II Type B2 Biological safety cabinet Manual control, UPLA and HEPA filters, 100% Air Exhaust.	1340x790x2200	1250x575x625
GKSafe-1500LCB2	1500LCB2	Class II Type B2 Biological safety cabinet Manual control, UPLA and HEPA filters, 100% Air Exhaust.	1640x790x2200	1550x575x625
GKSafe-1800LCB2	1800LCB2	Class II Type B2 Biological safety cabinet Manual control, UPLA and HEPA filters, 100% Air Exhaust.	1940x790x2200	1850x575x625

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