GALLENKAMP
VERTICAL LAMINAR FLOW CLEAN BENCHES

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OVERVIEW

Gallenkamp laminar flow clean benches set the standard in quality, design, and innovation that comes from a heritage of over 25 years of experience. We know how important it is to offer a high level of protection to operators, samples, and the environment with advanced technology. With an extensive trace record of safety, reliability and performance, Gallenkamp cabinets and benches make an idea investment for a wide range of applications.

BLOWER

GKsafe CY cabinets work in the same way as conventional Class II cabinets, however there is additional HEPA filtration below the work surface. This filtration enables a filter change without exposing the ambient environment or service personnel to potential hazards.

ILLUMINATION LAMP

Illumination provides sufficient brightness to theworking chamber.

UV LAMP

Emission of 235.7 nanometers for most efficient decontamination. Automatic UV timer program saves your time during daily work

SATETY GRADE GLASS

The front glass window provides protection from explosion and UV with more comfortable viewing

WORK TOPS

Standard constructed of seamless, non-porous type 304 stainless steel

PREFILTER

Chemically and thermally enhanced technology increase filtration capacity and efficiency,together with ergonomical filter change design for easy maintenence

EASY TO USE

Centered and angled down color-display for better at-a-glance viewing of safety and performance data.

LONG LIFE HEPA FILTER

Long life HEPA filter provides high separability for particles. Self-compensation for the clogging of filters and life span indicator optimize working condition and minimizes services

REAL-TIME AIRFLOW MONITORING

Velocity of airflow and temperature are inspected and indicated on control panel. Alert the user if airflow is insufficient

UNIVERSAL ELECTRICAL OUTLETS

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

ALPHACLEAN CLEAN BENCHES ARE IDEAL FOR A WIDE RANGE OF APPLICATIONS WHERE SAMPLE PROTECTION IS REQUIRED.

Proven reliability
Outstanding safety is assured through a variety of core components and features to improve cleanliness

Energy Efficiency
From the motor controller to lighting, a new patent-pending innovations provide significant annual costsavings while maintaining superior performance

Outstanding comfort
With several thoughtful features, from the view screen to the work environment and ergonomic design

A BLOWER
Automatically compensates for normal power line variation, air diruptiona and filter loading. Motor consumes less energy, reduce heat output and operates more quietly.

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C UV LAMP
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Certified performance
With an innovative front-access design, on-site validation, customer support packages, Maintenance is quicker and easier than ever before.
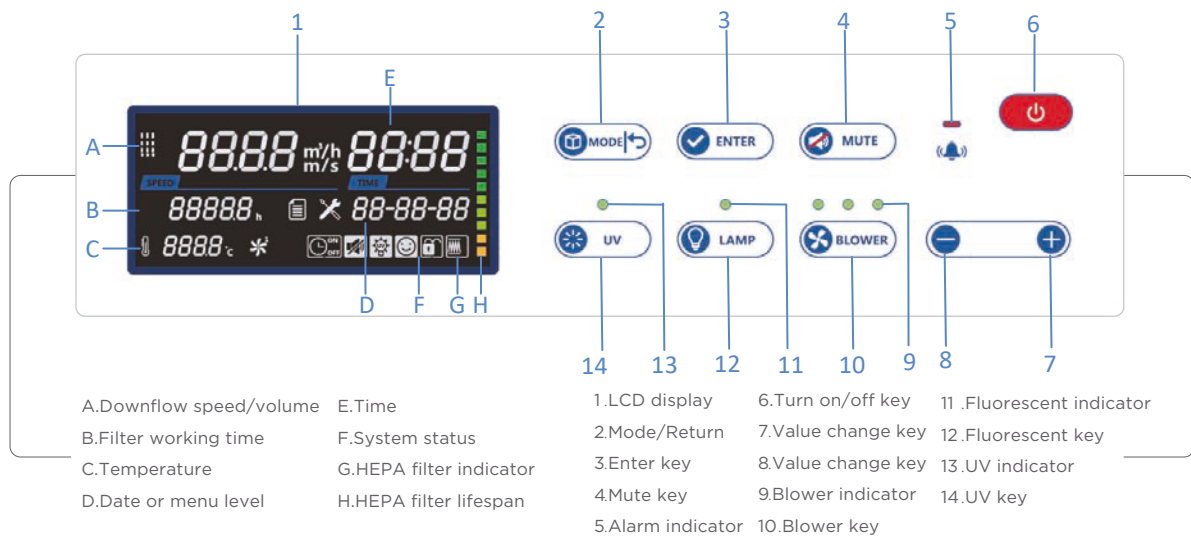
Flow-SaFe

Laminar airflow over the working area takes containment to new levels, ensuring your safety
Smart and self-induced motor monitors and controls fan speed in real-time to maintain constant airflow during filter loading and temporary obstruction
Patented Flow-SaFe technology consumes less energy, reduces heat output and operates quietly

Lab-AleRt

Filter life indicator is designed to measure filter life span according to actual condition of membrane Visual and acoustic alarm for indication of unsafe airflow conditions and window position Interlocking safety mechanism is set between UV lamp and fluorescent light/front sash status.
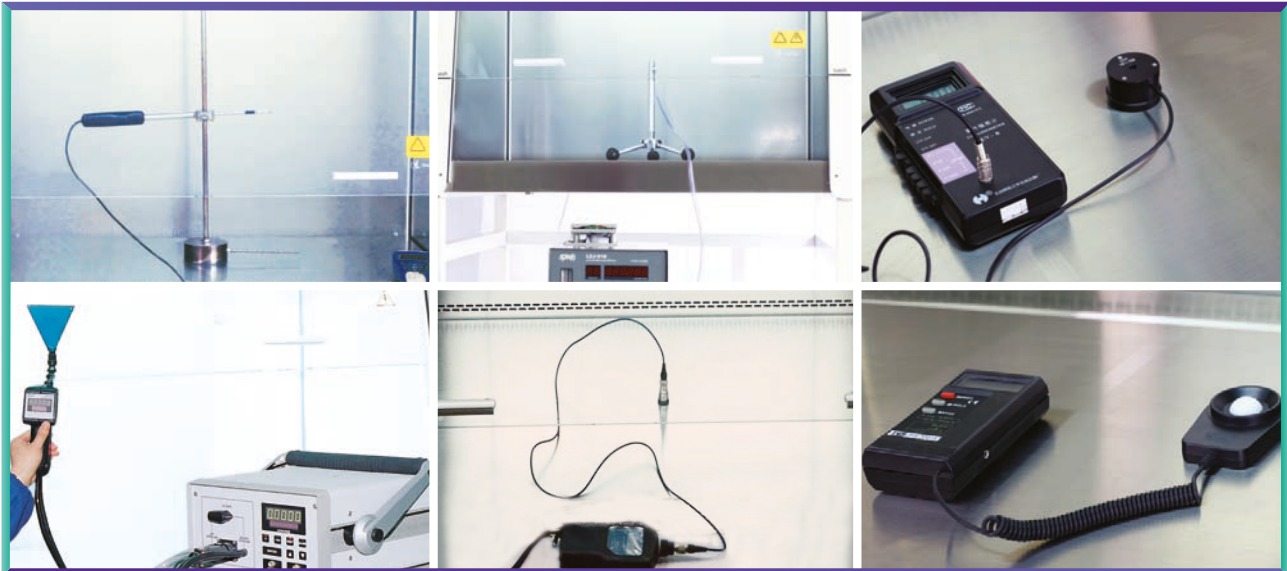
Navi-Max

The colored LCD display offers an unprecedented level of viewing and operation experience. 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

A. Downflow speed/volume	E. Time	1. LCD display	6. Turn on/off key	11. Fluorescent indicator
B. Filter working time	F. System status	2. Mode/Return	7. Value change key	12. Fluorescent key
C. Temperature	G. HEPA filter indicator	3. Enter key	8. Value change key	13. UV indicator
D. Date or menu level	H. HEPA filter lifespan	4. Mute key	9. Blower indicator	14. UV key
		5. Alarm indicator	10. Blower key	

Air velocity profile   Non-viable particle counting   UV radiation test

Integrity testing of HEPA filters   Vibration test   Illumination test

Air Velocity Profile	Verifies the hood is providing the proper air balance to protect the product from contamination
Integrity Testing of HEPA filters	Assures the existing HEPA filters are free of leaks and are properly sealed to prevent leakage or possible contamination to the work area
Non-Viable Particle Counting	Testing provided to verify clean bench is meeting designed air cleanliness classification level per ISO 14644 specifications
Viable / Microbial Air Testing	Assures Bioburden levels for bacteria and/or fungi are within acceptable parameters per the cabinet design or client specifications
Viable / Microbial Surface Testing	Assures Bioburden levels for bacteria and/or fungi are within acceptable parameters per cabinet design or client specifications
Airflow Visualization Profile	Verifies the hood is providing non-turbulent airflow to work area
Lighting Measurement	Verifies the lighting level is meeting the clean bench design level or worker comfort level
Sound Level Measurement	Verifies the sound level is not exceeding the clean bench design or worker comfort level
Temperature, Relative Humidity Measurements	Verifies the clean bench is operating within its design specifications

Code	Model	Decription	External Dimensions WxHxD mm	Internal Dimensions WxHxD mm
GKSafe-Alpha1300	Alpha Clean 1300	Vertical laminar flow clean bench HEPA filter	1500x760x1630 with base stand	1380x650x510

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