

CLEANAIR
by **BAKER**

CrossFlow Greenline

CROSSFLOW CABINET
PRODUCT PROTECTION



Product Portfolio

Personal Protection

In some laboratories lab technicians must be protected against the substances in the cabinet.



Product Protection

In certain laboratories, the product or research must be performed or processed in a sterile environment.



Personal & Product Protection

There are various activities that are performed in a cabinet where both the person and the product must be protected.



Specials & Projects

If a standard cabinet does not meet your wishes & requirements; we have all disciplines in-house to adjust the cabinet to your needs.



Professionals in laminar flow and microbiological safety workbenches

CleanAir by Baker designs and produces high-quality microbiological safety workbenches and laminar flow systems for numerous markets and segments.

Our workbenches are mainly used in the pharmaceutical industry, (academic) hospitals, research laboratories, plant breeding and the food industry, but also in various technical applications.

You can find us wherever the protection/safety of people, products and the environment against micro-organisms, viruses and dust particles is necessary. All our products are created in close collaboration with you.

Our goal; let you as a customer benefit from the joint years of knowledge of Baker and CleanAir, by creating a range of extremely safe, high-quality biological safety workbenches and laminar flow systems - flexibly adaptable to your wishes.



High quality

CrossFlow series is a high quality crossflow cabinet range for handling non-hazardous materials that require a clean working environment.

- High quality
- Reliable performance
- Ergonomic design
- Low noise level
- Easy to clean
- User-friendly control panel
- Advanced safety features
- Low energy level

Basic principles

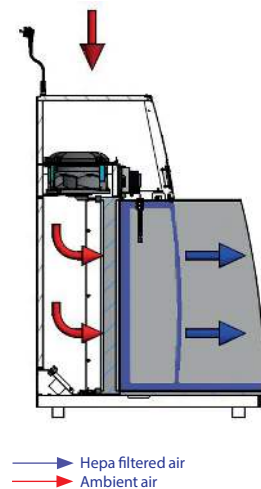
HEPA filtered horizontal laminar airflow (crossflow) creates an ISO Class 5 (14644-1) / GMP Class A (Annex 1) work area and prevents ambient air from entering the work area, ensuring product protection.

International safety standards

CrossFlow series is designed and manufactured in order to achieve a working area that exceeds the ISO Class 5 (14644-1), GMP Class A (Annex 1), PIC's and equivalent standards.

Applications

The CrossFlow series is suitable for work that must be performed under ISO 14644-1 (Class 5), GMP Annex 1 (Class A), PICs and similar standards. In the pharmaceutical industry, biotechnology, pharmacies, for example, in hospitals, academic laboratories, in tissue culture and in electronic laboratories.



Available sizes

CrossFlow series is standard available in (internal) sizes 4, 5 and 6 ft width (120, 150 and 180 cm).

Opties & Accessoires

The available options and accessories makes this cabinet adaptable for many applications. Together with the flexibility and our expertise, this cabinet is suitable to adapt to your specifications.

- Taps (natural gas, vacuum, O2, N2, etc.)
- Electrical sockets
- Cable feed through in worktop
- Stainless steel bar with 8 hooks
- Electrical height adjustable support frame
- Stainless steel worktop
- Stainless steel 304/316 body & support
- Protection grid in front of HEPA filter
- FAT / SAT / IQ / OQ

Features & benefits

General features

- Microprocessor flow control
- User-friendly control panel to be able to operate intuitively
- HEPA filter H14 (efficiency of 99,995% MPPS)
- Pre-filter (ISO 16890)
- Energy saving EC-fans
- LED light
- Epoxy coated steel in- and exterior
- Ergonomic thin HPL worktop, optional Stainless steel worktop
- Curved safety glass side windows
- Standard working height adjustable 740-940 mm
- Adjustable stainless steel feet support
- Flush side design = easy placement against each other

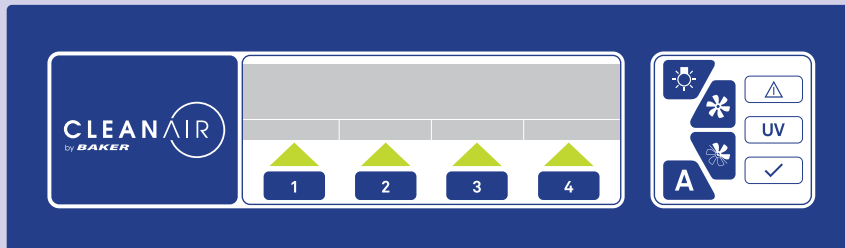


Advanced Safety features

- HEPA filter surface covers complete work area. No dead corners and a laminar flow in the entire working area
- Smooth interior for efficient and easy cleaning
- Automatic compensation for HEPA-filter clogging
- Two redundant microprocessors (fail-safe synchronization)

User-friendly control panel for intuitively operating

- Green signal indicates safe work mode
- Red light indicates alarm (visual and audible) for Airflow (high/low)
- Switch for work mode (on/off)*
- Switch for stand-by mode (on/off)
- Switch for UV light (on/off)**
- Switch for LED light (on/off)
- Switch for power socket (on/off)**
- English, Spanish, French, German and Dutch language
- Real-time clock
- Total running hours for fan and lights
- Pin code to prevent unauthorised usage
- Volt free contact for forwarding alarms to building management systems



*Also controllable by programmable clock (on) or timer
 **Also controllable by programmable clock (on/off) or timer



Technical Specifications

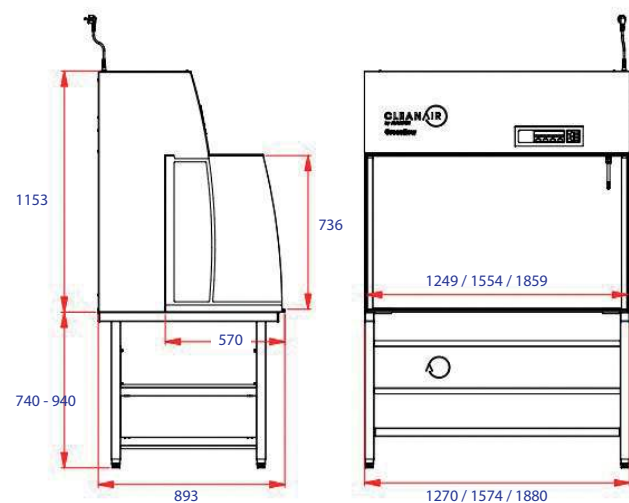
TYPE	CLF 475	CLF 575	CLF 675
DIMENSIONS (MM)			
Exterior dimensions (wxdxh) ^[1]	1270 x 893 x 1153	1574 x 893 x 1153	1880 x 893 x 1153
Interior dimensions (wxd ^[3] xh)	1249 x 570 x 736	1554 x 570 x 736	1859 x 570 x 736
Weight (excl. support) (kg)	110	150	190
PERFORMANCES			
Horizontal velocity (m/s)	0,45	0,45	0,45
Power consumption (w) ^[2]	59 / 151	75 / 198	90 / 245
Light intensity (lux)	> 1000	> 1000	> 1000
ELECTRICS			
Electrical connection (V/Hz)	230 / 50	230 / 50	230 / 50
FILTERS			
Pre-filter (ISO 16890) former G3: EN779	Coarsefilter	Coarsefilter	Coarsefilter
Horizontal HEPA filter (EN1822-1)	H14	H14	H14

[1] Height without support frame

[2] Stand-by mode and light off / work mode and light on

[3] without protection grid

[4] 1 meter from worktray in middle of workarea at 0,45 m/s



Would you like more information about the CrossFlow Greenline or our other Biological Safety Workbenches or laminar flow solutions?

Visit our website: www.cleanair.eu.com or contact our experts.

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