

- HIGH QUALITY • RELIABLE PERFORMANCE • ADVANCED SAFETY FEATURES
- USER-FRIENDLY CONTROL PANEL • ERGONOMIC DESIGN • EASY TO CLEAN
- LOW NOISE LEVEL

# CLEANAIR

by **BAKER**

## CLF series



**CROSSFLOW CABINET**  
PRODUCT PROTECTION



## High quality

CLF 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

### International safety standards

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

### Applications

It's applications are in the field of pharmaceutical industry, biotechnology, pharmacies, hospitals, university laboratories, tissue culture and electronic laboratories.

### Available sizes

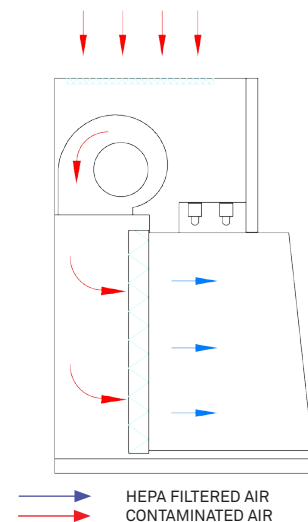
CLF Series is standard available in sizes 4, 5 and 6 ft width (120, 150 and 180 cm).



Crossflow 475 EC

### Basic principle

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



## Features & Benefits

### General features

- Microprocessor flow control
- Control panel with alarms and parameters
- HEPA filter H14 (efficiency of 99,995% MPPS)
- Pre-filter G3 (efficiency of 80 - 90% Am)
- Epoxy coated steel in- and exterior (1,5 - 2 mm)
- Laminate worktop, optional Stainless steel worktop
- Sloped safety glass side windows

### 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
- Small barrier at the back of the worktop protects the HEPA filter against spilled liquids
- Automatic compensation of air velocity because of HEPA-filter clogging
- Two redundant microprocessors (fail-safe synchronization)
- Optional UV light safety control: FL light will be switched off when UV light is switched on

### Adapt to any application

The available options and accessories make this cabinet adaptable to many applications. Together with the flexibility and expertise of our engineering department, this cabinet is suitable to customise to customer specific requirements.

### Control panel with alarms and parameters



- Green light 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 FL light (on/off)
- Switch for power socket (on/off) \*\*
- Switch for gas valve (on/off)
- English, Spanish, French, German and Dutch language
- Real-time clock
- Total running hours for fan, FL, UV

- Pin code to prevent unauthorised usage
- RS 232 and RS 485 connection
- Volt free contact for forwarding alarms to building management systems
- Volt free contact(s) which can be used to switch on/off an external system
- Prepared for control of disinfection options

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

## Technical Specifications

TYPE	CLF 475	CLF 575	CLF 675
<b>PART NUMBERS</b>			
Epoxy coated	NP0012475	NP0012575	NP0012675
Stainless steel	NP0012475R	NP0012575R	NP0012675R
<b>DIMENSIONS (MM)</b>			
Exterior dimensions (wxdxh)	1290 x 890 x 1350	1595 x 890 x 1350	1900 x 890 x 1350
Interior dimensions (wxdxh)	1190 x 580 x 730	1495 x 580 x 730	1805 x 580 x 730
Height with support frame <sup>[1]</sup>	2082	2082	2082
Weight (kg)	225	270	325
<b>PERFORMANCES</b>			
Horizontal velocity (m/s)	0,45	0,45	0,45
Sound level (dBA)	< 58	< 58	< 54
Power consumption (w) <sup>[2]</sup>	373 / 708	460 / 805	465 / 1000
Light intensity (lux)	> 900	> 900	> 900
<b>ELECTRICS</b>			
Electrical connection (V)/(Hz)	230 / 50	230 / 50	230 / 50
<b>FILTERS</b>			
Pre-filter (EN 779)	G3	G3	G3
Horizontal HEPA filter (EN 1822)	H14	H14	H14

[1] Support frame with working height 810 mm

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

### Standards

The cabinets are build according to the following standards: ISO Class 5, GMP Class A, 2006/42/EC, 2004/108/EC, 2006/95/EC, EN 61010-01.

### Options & Accessoires

- Support frame
- Taps (natural gas, vacuum, O<sub>2</sub>, N<sub>2</sub>, etc)
- Electrical sockets(s)
- UV light
- Stainless Steel worktop
- Stainless Steel bar with (6 or 8) hooks
- FAT / SAT / IQ / OQ