

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



RIEGER
Industrievertretungen GmbH
www.rieger-iv.at

Wir sind für Sie da:
E-Mail: office@rieger-iv.at
Telefon: +43(1) 728 00 52
Fax: +43(1) 728 69 16
Rustenschacher Allee 10
1020 Wien, Austria

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

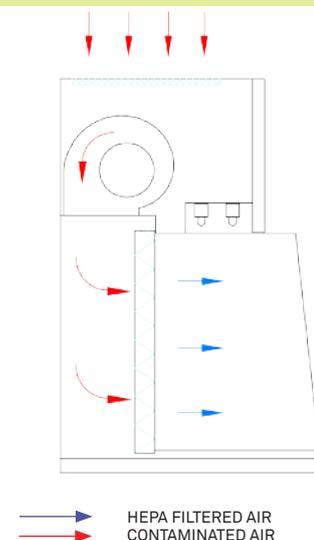
CLF Series is standard available in sizes 4, 5 and 6 ft width (120, 150 and 180 cm).



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

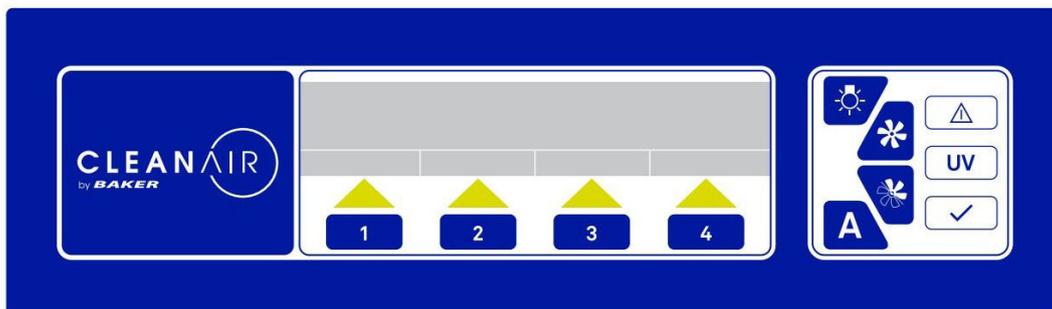
Advanced Safety features

- 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 |
|--|-------------------|-------------------|-------------------|
| PART NUMBERS | | | |
| Epoxy coated | NP0012475 | NP0012575 | NP0012675 |
| Stainless steel | NP0012475R | NP0012575R | NP0012675R |
| DIMENSIONS (MM) | | | |
| 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 ^[1] | 2082 | 2082 | 2082 |
| Weight (kg) | 225 | 270 | 325 |
| PERFORMANCES | | | |
| Horizontal velocity (m/s) | 0,45 | 0,45 | 0,45 |
| Sound level (dBA) | < 58 | < 58 | < 54 |
| Power consumption (w) ^[2] | 373 / 708 | 460 / 805 | 465 / 1000 |
| Light intensity (lux) | > 900 | > 900 | > 900 |
| ELECTRICS | | | |
| Electrical connection (V)/(Hz) | 230 / 50 | 230 / 50 | 230 / 50 |
| FILTERS | | | |
| 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, O₂, N₂, etc)
- Electrical sockets(s)
- UV light
- Stainless Steel worktop
- Stainless Steel bar with (6 or 8) hooks
- FAT / SAT / IQ / OQ