

Pure silence,
advanced ergonomics

BIOWIZARD *Golden*LINE

Safe
working
with a
sound of
silence



Microbiological
Safety Cabinet
class II

EN 12469 certified by TÜV



The superior advantages of

BLOWIZARD *Golden*LINE

Microbiological Safety Cabinet class II certified according to EN 12469



Silent working conditions as a standard feature

Save your brain, concentrate on work

European Agency for Safety and Health at work has made work related noise one of its main themes. Current Microbiological Safety Cabinets have high noise levels and the EN norm settles for under 65 dB(A).

Noise is undesired and unpleasant for workers. It puts load on brains and can harm physically and mentally.

High sound level not only affects hearing, stress level and blood pressure but also weakens concentration, creativity and comprehension.

Kojair Tech Oy has developed a Microbiological Safety Cabinet according to EN12469 with sound levels from 48 dB(A).

Practical ergonomics

- Extremely silent, comfortable operation
- The electric sliding front panel closes completely, also available in a manual version
- Efficient light tubes ensure shadowless lighting over the whole working area. Max. >2000 lux.
- Laminated safety glass side windows
- Comfortable arm support made of material that feels warm against the arm
- The backwards-slanted front side gives a clear view through the sliding door and guarantees a comfortable working position



Silence

- Most silent on the market
- Under 52 db(A) *

Lights

- Adjustable lights
- Over 2000 lux *
- No shadows
- Glare free

* in Biowizard Golden 130

Ergonomics

- Comfortable working position
- Easy-to-use control panel
- Easy to clean
- Adjustable work height (700 - 900 mm) can be chosen on site

Service and maintenance

- All maintenance work via front panel

Design

- Nice lines, good looking curves
- Fresh colour

Equipment

- Comes fully loaded as standard



Adjustable lights

- Light exceeds EN 12469
- Lights fully adjustable between 750 and 2000 lux
- No shadows
- Anti-glare shields
- Light tubes can be changed from outside



Easy to clean

- Easily cleaned front glass
- All surfaces are smooth without any screws or crevices
- The polished, standard stainless steel three-piece table top is easy to remove for cleaning
- Stainless steel bottom sink with round corners
- Window opens fully for easy inside cleaning
- The cabinet is easy to clean with normal cleaning solvents

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Technical details and options

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| Biowizard Golden Line | 100 | 130 | 170 | 200 |
|------------------------------------|------|------|------|------|
| Total width (mm) B | 975 | 1280 | 1625 | 1930 |
| Working space (mm) | | | | |
| Width | 885 | 1190 | 1535 | 1840 |
| Depth | 600 | 600 | 600 | 600 |
| Height | 720 | 720 | 660 | 660 |
| Air volumes (m ³ /h) | | | | |
| Recirculation | 785 | 1030 | 1310 | 1550 |
| Exhaust $\hat{=}$ In flow 0,45 m/s | 285 | 380 | 495 | 595 |
| Total | 1070 | 1410 | 1805 | 2145 |
| Exhaust duct (ϕ , mm) | 200 | 200 | 250 | 250 |
| Exhaust duct location A | 487 | 640 | 812 | 965 |
| Lighting (W) | 2x55 | 2x55 | 2x55 | 2x55 |
| Weight (incl. base, kg) | 180 | 240 | 290 | 330 |
| Power (max. W) 230 V AC, 50 Hz *) | 740 | 940 | 940 | 1170 |
| Power consumption (W) | 350 | 400 | 450 | 600 |

*) Possible also for 220-240 V AC, 60 Hz
Transport height with base 1990 mm, without base 1440 mm



Technical details

- Adjustable base stand
- Slanted electrical front window
- Constant measurement of the airflow velocities
- Magnetic safety valve for gas
- Three piece table top
- Smooth touch user interface with a real time clock
- 1/2 speed switch
- Media valve installation channels
- PCB interface for service info
- UV usage hour center
- Socket / UV socket timers

Options

- Exhaust connection fitting
- Clean room compatible electrical base stand
- One piece table top with lowered middle section
- UV light with magnetic fastening
- Fully integrated double exhaust filtration
- Anti flowback damper
- Potential free connection
- Extra double sockets, compatible with different European standards
- Extra gas and other media valves
- Foot pedal for front window control

Ask for customized applications for your special needs; microscopes, IVF, weighing, isotope solutions etc.

Service

- Access to the follow-up information via the front panel
- Comprehensive Kojair training system
- Spare parts available, guaranteed for 10 years (filters, lights etc.)
- Installation and commissioning
- Easy performance of annual testing procedures, manuals, specs etc.
- All maintenance can be performed through the front
- Due to enlarged HEPA- filter media area, filter life time is extra long



Service measurements with versatile, calibrated instruments



Hot wire anemometer



UV meter



Particle counter



Balometer



Aerosol photometer



KI discus tester



Illumination meter

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