



Safe working, pure silence,  
advanced ergonomics

# **BIOWIZARD** *Golden*LINE

Microbiological  
Safety Cabinet  
class II

EN 12469 certified by TÜV



Ergosilence





The superior advantages of

# BIOWIZARD *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 window 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 window and guarantees a comfortable working position



# The most ergonomic cabinet on the market



The electric base stand of the Ergosilence cabinet is extremely sturdy. It works smoothly and is simple to use. The programmable memory function can store three individual working heights. A pedal or a remote control come as optional extras.

## 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



The Golden Line Ergosilence cabinet has an adjustable electric base stand for easy working height adjustment. The workstation has been redesigned – the slanting desk top allows the operator's arms to rest in comfortable positions. The gel arm pad makes it simple to find the correct working position.

The perforated front edge is inclined to prevent the operator from blocking the airflow. The rear wall perforation is covered with a strip to prevent accidental shut-off of airflow with laboratory tools. The operator's safety is enhanced.

The EC technology ensures low energy consumption.

## Silence

- Most silent on the market
- Under 50 dB(A) (Golden Line 130)

## 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

## Ergonomics

- Comfortable working position
- Easy-to-use control panel
- Easy to clean
- Adjustable working height: 616 - 916 mm, with extension profiles: 736 - 1036 mm

## Service and maintenance

- All maintenance work via front panel

## Design

- Nice lines, good looking curves
- Fresh colour

## Equipment

- Comes fully loaded as standard

Ergosilence

# Technical details and options



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	665	665	665	665
Air volumes (m <sup>3</sup> /h)				
Recirculation	725	965	1205	1444
Exhaust $\hat{=}$ In flow 0,45 m/s	284	383	494	593
Total	1009	1348	1699	2037
Exhaust duct ( $\phi$ , mm)	200	200	250	250
Exhaust duct location A	487	640	812	965
Lighting (W)	2x36	2x36	2x36	2x36
Weight (incl. base, kg)	243	281	319	371
Power consumption, from (W)	92	134	156	213
Transport height with base 1990 mm, without base 1440 mm				

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

## Technical details

- Electrical adjustable base stand
- Slanted electrical front window
- Constant measurement of the airflow velocities
- Plugged holes in side windows
- Three piece table top
- Gel arm pad
- Smooth touch user interface with a real time clock
- 1/2 speed switch
- PCB interface for service info
- UV usage hour center
- Double socket with socket / UV socket timers
- Media valve installation channels

## 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
- Magnetic safety valve for gas

Leading expertise in **clean air technology**



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*Finnish design and manufacturing*