

SAFEMATE PRIME

CLASS II MICROBIOLOGICAL
SAFETY CABINET

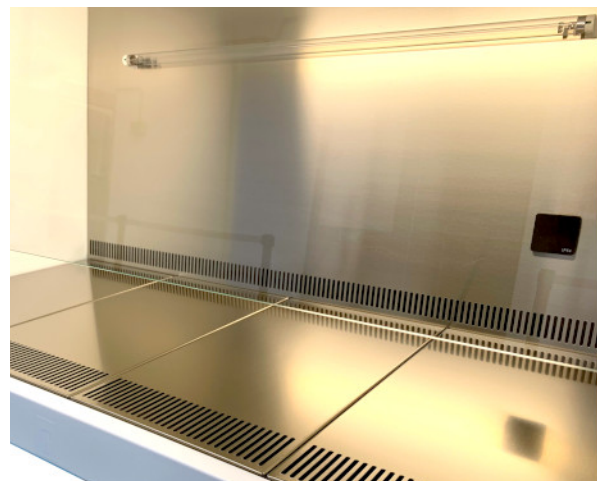
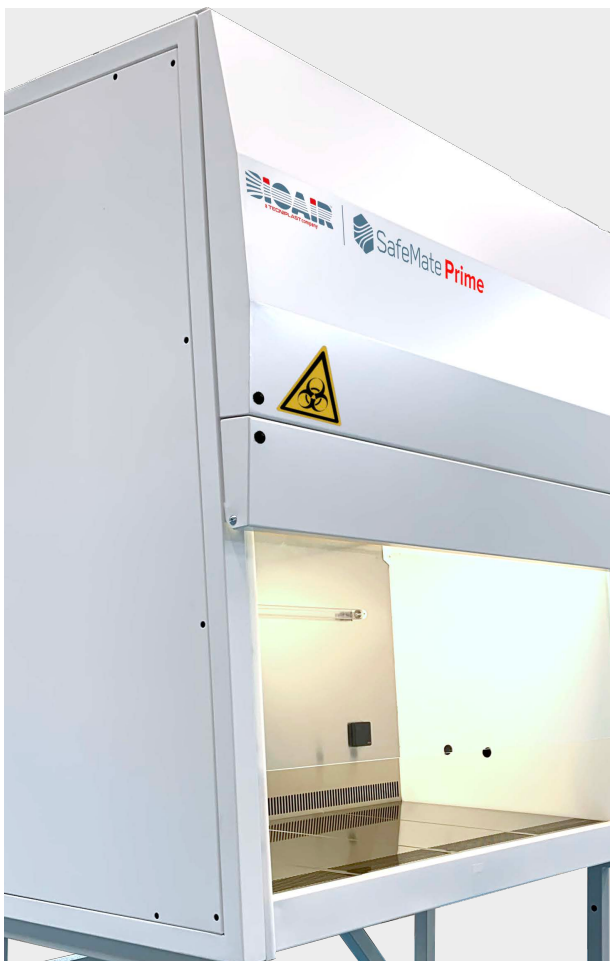


SAFETY AT ITS CORE

The PRIME series provides a very affordable entry in the highly acclaimed Safemate series of microbiological safety cabinets, concentrating on the most important aspects for a Class II cabinet and assuring the high level of operator, product and environment protection required by the EN12469-2000 standards

Your Safety is our Commitment.

No compromise for Operator, Product and Environment. Protection guaranteed as required by EN12469:2000 standard.



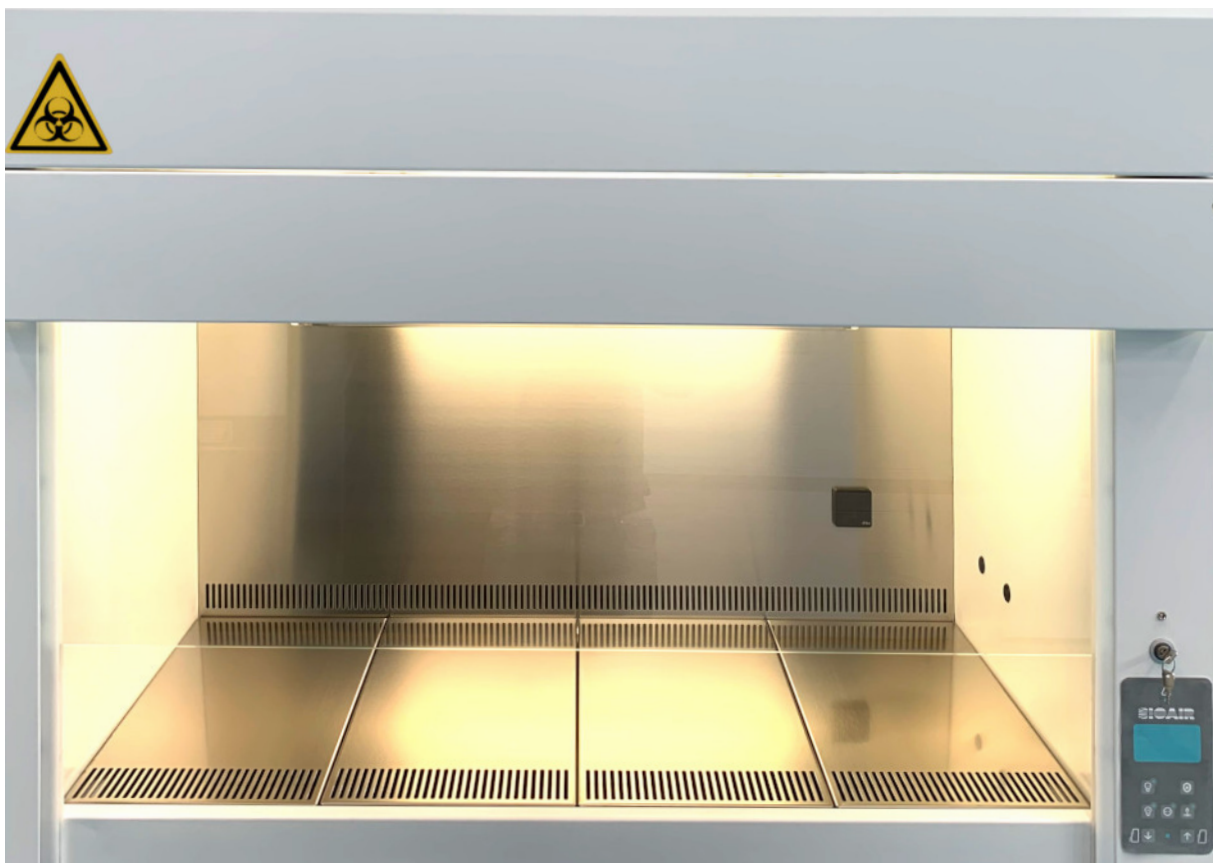
FEATURE RICH!

Electrical front sash: the front glass is operated using the switches on the main control panel allowing effortless opening and closing of the working area.

Same size sectors: the work surface sectors are all the same size, only 30cm wide to fit into autoclaves for sterilization.

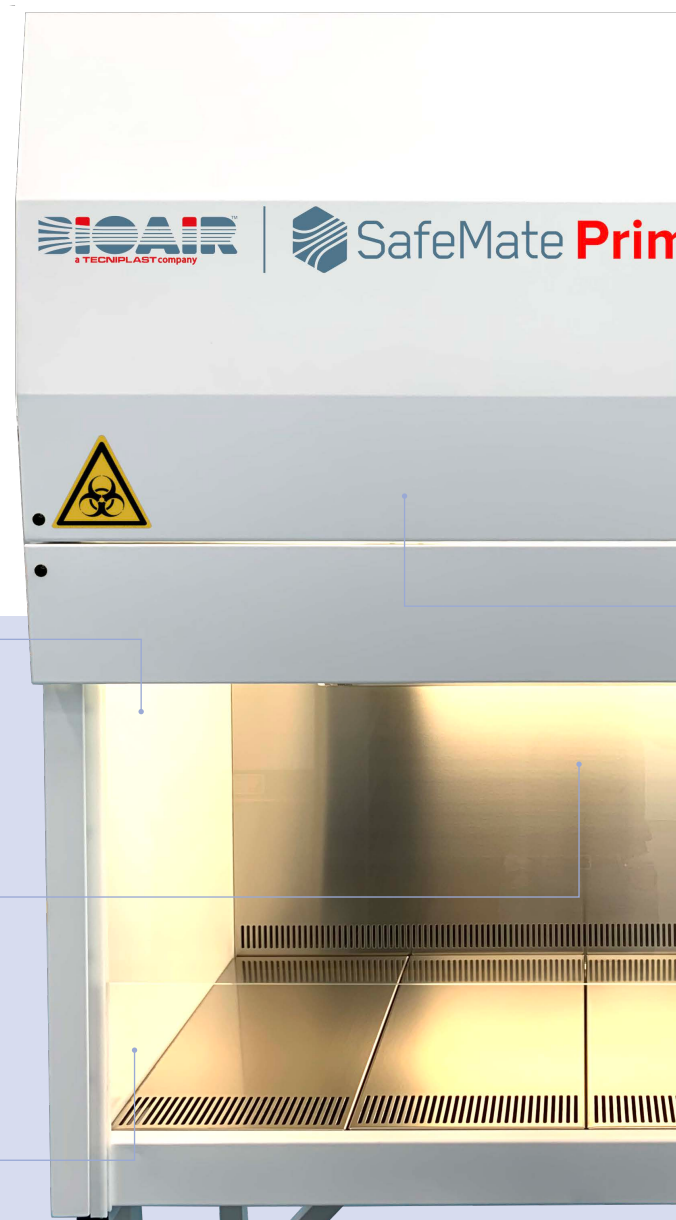
Customizable utilities: want more space in the working area? Do not take the optional taps if. Changed your mind and want the taps? Just buy the option and they will be installed in your cabinet even after sales!

Fully VHP compliant: with the optional VHP connector kit you can easily use any Hydrogen Peroxide vapour generation system to fully sterilize your cabinet.



SAFEMATE PRIME

CLASS II MICROBIOLOGICAL
SAFETY CABINET



Sloped front for the most
comfortable access



UV Lamp on back wall (standard)



Electrical sliding sash



Italian Quality

Our cabinet are completely made
in Italy using components of italian
or european origins! We use only
the best for our cabinets!



Silent operation: <49dB(A)

Auxiliary power socket

Gas & Vacuum taps (optional, retrofittable)

Wide range of
available support
stands

An elegantly crafted standard
control panel and display,
for your convenience

MAIN SPECIFICATIONS:

- ✓ State of the art AC motorblower enhances energy efficiency, reducing operating costs.
- ✓ Fully compliant Class II microbiological safety cabinet according to EN 12469 safety standard
- ✓ Electrical sliding sash
- ✓ UV light on back wall
- ✓ 5° Sloping front aperture to maximise comfort.
- ✓ White painted side walls for increased luminosity
- ✓ Optional utilities for gas and vacuum, installable in-field
- ✓ Real Time reporting of air speeds (inflow & downflow)
- ✓ Fully stainless steel working surface and backwall.



STANDARD UTILITIES

STANDARD ELECTRICAL EQUIPMENT	
Automatic electronic airflow velocity control PCB	✓
Motorblower (fan)	✓
Fluorescent lamps	✓
Sliding window electric motor	✓
Key operated switch	✓

STANDARD UTILITIES	
Tap for combustible gas line	Optional
Tap for inert fluids/vacuum line	Optional
Auxiliary electrical service socket	✓
UVC lamp	✓
Voltage-free contact (VFC) outlet	✓
DOP Sampling port	✓



OPTIONS & ACCESSORIES

CODE	DESCRIPTION	NOTES	SIZE 0.9	SIZE 1.2	SIZE 1.8
AS1L300	SUPPORT STAND 0.9		✓		
AS1L400	SUPPORT STAND 1.2	h= 730mm		✓	
AS1L600	SUPPORT STAND 1.8				✓
AZ1L010	CASTORS KIT	With retractable foot	✓	✓	✓
AP1K604	IV bar for 1.2	(includes 10 hooks)	✓	✓	
AP1K606	IV bar for 1.8				✓
AZ1H613	ARMRESTS		✓	✓	✓
DUCTING AND ADDITIONAL FILTERS OPTIONS					
AZ1H124	Active extraction kit		✓	✓	
AZ1H154	Additional charcoal filter adapter		✓	✓	
CP62000	Additional charcoal filter	Requires AZ1H124 and AZ1H154	✓	✓	
AZ1H126	Active extraction kit				✓
AZ1H156	Additional charcoal filter adapter				✓
CP66000	Additional charcoal filter	Requires AZ1H126 and AZ1H156			✓
AZ1H204	Passive transition adapter kit	Requires remote blower for extraction	✓	✓	
AZ1H206	Passive transition adapter kit				✓
AZ1H304	Extraction open hood ("thimble")	Requires remote blower for extraction	✓	✓	
AZ1H306	Extraction open hood ("thimble")				✓

TECHNICAL DATA

DESCRIPTION	SIZE 0.9	SIZE 1.2	SIZE 1.8
Part No. (cabinet)	LDN300N	LDN400N	LDN600N
Part No. (Solid Work Surface)	AZ9N030	AZ9N040	AZ9N060
Part No. (Perforated Work Surface)	AZ9N031	AZ9N041	AZ9N061
SPECIFICATIONS			
Reference Standards:	IEC 61010-1:2010 / EN 61010-1:2010 IEC 61326-1:2012 / EN 61236-1:2013 EN 12469:2000		
Electrical insulating/protection class [IEC 61140]:	I		
Mains supply voltage:	220-240 V- 50/60 Hz		
Required power line (W): (700 W service socket included)	1100	1200	1750
Absorbed power (W): (*) (fan and light on only)	300	375	600
Window glass UVC radiations retention (%):	98		
Combustible gas fixture max pressure (mbar):	20		
Inert fluids/vacuum fixture max pressure (bar):	4		
Electrical service socket max current (A):	3		
WEIGHT AND SIZE			
Net Weight (kg):	216	256	360
Overall size L x D x H (mm): (without support stand)	1074 x 795 x 1450	1380 x 795 x 1450	1990 x 795 x 1450
Front aperture size L x H (mm):	924 x 200	1230 x 200	1840 x 200
Working space size L x D x H (mm):	924 x 600 x 700	1230 x 600 x 700	1840 x 600 x 700
MATERIALS			
Main structure:	cold rolled steel, epoxy coated		
Working space surface:	stainless steel AISI 304 - SB finishing		
Front window:	laminated safety glass		
PERFORMANCES			
Laminar Air Flow mean velocity [EN 12469](m/s):	0,33 ÷ 0,40		
Inflow Air Barrier mean velocity [EN 12469](m/s):	0,53 ±10%		
Exhaust Air flow rate (m3/h):	350 ±10%	480 ±10%	600 ±10%
Exhaust Air flow ratio (%):	30 ±10		
Apf - Aperture Protection Factor [EN 12469]: (Retention efficiency at front aperture)	≥10 ⁵		
Working space air cleanliness class [EN 14644-1]:	ISO 3		
Illuminance [EN 12469] (lux):	>850		
Sound level [EN ISO 3744] (dB[A]): (**)	<54	<56	<60
Vibration [EN 12469] (mm RMS):	<0,005		
Max increase inside cabinet in temperature from the ambient [EN 12469] (°C):	<5		
FILTERS			
Filters efficiency class [EN 1822-1]:	H14 (***)		
Filters global MPPS efficiency [EN 1822-1](%):	99,995		
MPPS diameter [EN1822-1](µm):	0,1 ÷ 0,3		

* Motorblower on, lights on (flow 0.28m/s, LED lights)

** Measured in operating conditions. Actual values at customer site may be different due to room structure

*** Efficiency higher than ULPA (Class F) as per IESP-RP-CC001

OVER 40 YEARS OF EXPERIENCE

BioAir has been manufacturing Biohazard and Laminar Air Flow cabinets since the early '70s, when the Gelaire® brand became the “gold standard” for airborne contamination control in laboratories all over the world.

A family of Recirculating Fume Hoods, based on the adsorption of toxic vapors by charcoal filters, was successfully introduced a few years later, thus positioning the Company as the only one seriously focused on the protection of its operators, in line with its inspiring motto “Your safety is our commitment”.

This unique know-how and insistence on quality were continually developed, and 25 years on, under the name of BioAir®, the entire range was completely re-designed to meet the changing requirements of laboratory staff and increasingly stringent regulations.

At the top of the range are the Biohazard Cabinets (or Microbiological Safety Cabinets - MSC), the sum of the Company's know-how, certified to European standards (EN12469:2000) and also complying with Australian regulations. In other words, they are designed to provide technicians with the maximum level of safety when used according to GLP/GMP standards in their respective environments.

Today, in a facility occupying over 2,800 square meters, BioAir

manufactures a full range of microbiological safety cabinets, laminar flow cabinets and fume cupboards, with over 15 models, many of which available in different sizes. Customized models and cabinets designed for specific applications can be produced by our team of skilled engineers and operators.

Decades of experience in sales and support for cell biologists have enabled BioAir to give the market an extremely innovative CO₂ Incubator, the Safegrow® PRO, the fruit of deep knowledge of the optimum conditions required for critical tissue culture methods and input from scientists engaged in growing cells in vitro.

The core business of the recently established BioAir® Industrial Team is the design, manufacturing and validation of customized equipment for the protection of the operator and of the product in pharmaceutical and healthcare production facilities.

This dedicated team will leverage the long experience and production capability acquired in laboratory LAF applications to offer complex equipment ranging from **dispensing/sampling Downflow Booths** and **Clean Rooms** to **RABS** and **Isolators** for Regenerative Medicine and Advanced Cell Therapy.

PLUS BIOAIR

MADE IN ITALY

Our products are designed and produced in Italy, drawing on the long tradition and internationally recognized high quality of Italian manufacturing, to bring you the best equipment for your safety.

TRADITION AND EXPERIENCE

All our Microbiological Safety Cabinets were designed with your safety in mind and that's a task where even the smallest details count. Our team stems directly from the company that launched the market for MSCs in Europe, so we put a lot of history and experience into all our products, as well as care over those often-overlooked details that improve your safety.

WE CARE FOR YOU

Thanks to our network of highly trained dealers and distributors, our complete portfolio and long experience in the field, we will always be able to help you find the right product for your needs, no matter how unique they are. And our commitment doesn't stop there: our Service network will make sure your equipment always performs at its best.



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