

# Laminar-flow cabinet BIO190 CYTO

🏠 [Laminar airflow Safety class II > Laminar-flow cabinet BIO190 CYTO](#)



System  
zarządzania  
ISO 9001:2008

www.tuv.com  
ID 9105080567

## Description

- vertical laminar air flow
- 3 HEPA filters with efficiency of 99.995% for particles with a diameter > 0.3 um
- exhaust carbon filter in compliance with DIN 12980
- microprocessor control system with touchscreen in Polish/English or any other language
- automatic filter compensation ensures constant and safe speed of air flow in the cabinet
- hour timer of the cabinet and UV lamp operation
- adjusted air flow
- clear and easy-to-use control panel-optical and acoustic signals
- silent fans, noise level below 56 dB
- front window made of tempered double glass without frame, inclined at an angle of 8°, electrically raised and lowered, with a possibility to shut it completely – closing the workspace
- split worktop (6 autoclavable boards), made of stainless steel
- internal workspace made of stainless steel
- permanently fixed UV lamp in the upper part of the workspace, protected from accidental switching on during operation
- white LED lightning system min. 1200 lux
- workspace sides with window openings
- workspace equipped with a drain made of stainless steel for easy cabinet decontamination and cleaning
- four power sockets inside workspace
- removable armrest
- frame with lockable castors
- power supply 230V/50 Hz

## Gallery



## Warranty and certificates

Product certificates:

- TUV certificate for compliance with the standard EN 12469, EN 61010-1:2010, EN 61326-1:2013
- CE declaration of the manufacturer
- ISO 9001

Protocol from tests is issued and enclosed for each cabinet.  
Warranty for the laminar airflow unit: 36-month warranty.



Safety  
Regular  
Production  
Surveillance



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## Technical data



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<b>Nominal width</b> in mm	1960	
<b>External dimensions</b> width/depth/height in mm	1960 / 790 / 2069	
<b>Internal dimensions</b> width/depth/height in mm	1876 / 644 / 710	
<b>Maximum height</b> with frame in mm	2050	
<b>Area of working space</b> in m <sup>2</sup>	1,2	
<b>Number of perforated plates in top</b> in pcs.	6 or 1	
<b>Maximum height of window panel lifting during work</b> in mm	200	
<b>Maximum height of front window panel lifting</b> in mm	440	
<b>Air flow</b> in m/s	inlet	0,53
	working space	0,35
<b>Air flow</b> in m <sup>3</sup> /h	inlet	544
	operation 63%	1111
	outlet 37%	544
<b>Number of HEPA filters</b> in pcs.	Preliminary	1
	Primary	1
	outlet	1
<b>HEPA filter efficiency</b>	> 99,995 % for MPPS	
<b>Loudness level</b> in dB	< 56	
<b>Illuminance</b> in lux	> 1400	
<b>Maximum power consumption</b> in W	500	
<b>Power of UV bactericidal lamp</b> in W	18	
<b>Number of electric sockets inside the chamber</b> standard, in pcs.	4	
<b>Control panel</b> with touchscreen	menu in polish,english	
<b>Gas valve</b> (option)	mechanical, with 3/8" connector	
<b>Chambe</b>	Floor, working plates, sides and back of the working space	Steel sheet AISI 304. Acid-proof, galvanized steel sheet
	External enclosure	Steel 1203, thickness 2 mm, covered with polystyrene RAL 7035
	Front window panel	Safety glass, thickness 6 mm, inclined at an angle of 8°
<b>Equipment weight</b> in kg	460	

