Microbiological safty cabinets class II

HMC EUROPE
Sterilization Technology

Features at first glance:

- > certified according to EN12469
- > Biological safety cabinets, class II
- > Highest personal, product and carry-over protection
- > Negative pressure system
- > Available in different sizes:
  - ◦ HMC Safeguard Pro 600 with a width of only 600 mm (external & internal dimensions)
  - ◦ HMC Safeguard Pro 1200 with a width of ca. 1300 mm (external dimensions) / 1200 mm (internal dimensions)
- > Latest technology (e.g. optional remote control)
- > Remarkably low noise level and power consumption
- > Many different features / options
- > Produced in Sweden
- > Functional and modern design



HMC Safeguard Pro 600
Safety in miniature size

Perfect for challenging tasks in the smallest spaces



HMC Safeguard Pro 1200
The classic size

Ideal for comfortable and spacious working

Other sizes on request - just contact us, we will be happy to assist you!

Are you looking for...

... **no exposure to noise and more comfortable working?**



... **low life-cycle-costs, quick-starting devices** and in addition a **low CO_2-emission** because protecting the environment is important to you?

Our solutions for you:

> **Our safety cabinets have a remarkably low noise level:** less than 47 d(BA) at 0,5 m/s inflow and 0,35 m/s downflow. Simple operation is ensured by an intuitively operable display with touch-screen, electrically adjustable front glass and optionally a support stand (electrically or mechanically height adjustment).

> **Remarkably low power consumption:** the safety cabinet can run at half speed all the time and therefore is quickly ready to operate. In addition it keeps the working space free from aerosol from the surrounding air. You will save time and money because the low power consumption can **pay off the purchase costs** in little time.

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Are you looking for...	Our solutions for you:
... **a maximum of product and user protection?** 	> **Visual and audible alarm signal** according to the strict standards of TÜV Nord (Germany) as well as DIN EN 12469; **Separate display for checking status and alarm messages** for clear notification; the safety cabinets are **suitable for clean rooms.**
... **an uncomplicated way** of cleaning the unit?	> **Frameless side windows** for easy cleaning and a **divided stainless steel working surface** which is particularly simple to handle and to clean. Optionally: For easy cleaning without the risk of contamination, we offer a front window that can be adjusted further downwards.Thereby the front window can be accessed for **cleaning from above without any airflow interruption.**
... **recreation for tired eyes?**	> A **dimmable LED-light** is a standard feature for the working space; maximum 2000 lux.
... a **highly effective UV-light** to degerm your working surface?	> **Optionally integrated UV-light** hidden in the back wall of the working surface so the light is not interrupting the air flow when not in use.
... to easily **weigh your samples** inside the BSC at **4 decimals** without imprecisions caused by vibrations on the working surface?	> The cabinet is **close to vibration free** and offers weighing inside at 4 decimals without any additional support stand. But if necessary, we also offer fitting weight stones.
... **the possibility of adding options to meet your requirements?**	> Do you need a custom built model? Just contact us, we will be happy to assist you. From castors for an easy commissioning to USB and RJ outlets for documentation: our accessories make it possible to configurate the safety cabinet according to your requirements.

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Options and technical data - Find the most suitable device for you!

Individual options

- > Unique remote support: you save precious time because we can do web-based trouble shooting and, if necessary, our technicians will afterwards visit with the right equipment
- > Castors for an easy commissioning (take care: if moved the cabinet's airflows must be calibrated again!)
- > Working surface in one piece, not divided
- > Back wall made of stainless steel
- > Working space as a standard feature is from stainless steel 304, but it is also available in 316
- > Self-closing front window at power failure thanks to an additional battery; it keeps the device running for another 20 minutes
- > USB und RJ outlets for documentation
- > Gas and water taps

Technical data	Unit	HMC Safeguard Pro 600[1]	SP 900[2]	SP 1200[1]	SP 1500[2]	SP 1800[2]
Article number		80000	80002	80001	80004	80003
External dimensions, W x D x H	mm	600 x 730 x 1953 (1978)	1003 x 799 x 1953 (1978)	1303 x 799 x 1953 (1978)	1603 x 799 x 1953 (1978)	1907 x 799 x 1953 (1978)
Internal dimensions, W x D x H	mm	540 (597) x 530 (640) x 700	900 x 520 (625) x 700	1200 x 520 (625) x 700	1500 x 520 (625) x 700	1800 x 520 (625) x 700
Front window opening	mm	200 (adjustable 180 - 330)				
Work height, standard support stand	mm	800 - 850				
Work height, adjustable support stand	mm	700 -1050				
Work height, electrically elevated support stand	mm	750 - 1050				
Weight	kg	110	190	220	250	280
Downflow	m/s	0,28 (adjustable 0,25 - 0,53)				
Inflow	m/s	0,45 (adjustable 0,45 - 0,55)				
Deviation	±%	<8	<8	<8	<8	<8
Noise level, measured according to EN12469	dB(A)	46	46	46	47	47
Down flow rate	m3/h	340	510	680	840	1010
Exhaust flow rate	m3/h	180	290	390	480	580
Mainfilter, Exhaustfilter	Type	HEPA H14 EN1822, 99,999 % at 0,3 µm particle size				
Lighting of the working surface (LED-light)	lux	0-2000, dimmable				
Voltage frequency	V/Hz	220-240/50-60 or 110-120/50-60				
Power consumption, from	W	60	90	100	130	140

[1] The Safeguard Pro 600 and 1200 devices are in stock. They are usually available within 2-4 weeks.

[2] The Biological Safety Cabinets Safeguard Pro 900, 1500 and 1800 are not in stock and have a delivery time of 10-12 weeks. Please contact us for the exact delivery times.

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