



Biological Safety Cabinets

*Class II - Tailor-made solutions
for microbiological tasks*

Available as
mini safety cabi-
net with a width
of only 600 mm



**Just convince
yourself**

Tailor-made solutions for your performance!



Our products adjust to your needs, not the other way around: choose from many different features to design your cabinet. Our **products can be customized and configured to meet every specific requirement.**

Do you have highest demands regarding quality, technology and comfort? In this case you have found the right partner in HMC Europe! Our cabinets are engineered and produced in Scandinavia for **the highest level of efficiency and product quality!**

We are always one step ahead: troubles when cleaning or any space problems will not have to concern you. **We make safe working as easy and comfortable as possible.** From the big working surface to the divided table top, we know your needs and have the right answers.

Saving electricity made easy: you additionally benefit from a **remarkably low power consumption and noise level** made possible by use of latest technology.

What happens if there should be a problem? We know that your time is precious. Via a **unique optional remote support** we offer unmatched user support, trouble shooting, adjustments and update service in a minimum of time. If necessary our technicians will visit with the right equipment.

Your safety is our ultimate ambition: When dealing with dangerous substances you depend on the reliability of your working tools. To ensure it just let our **TÜV-certified experts set, calibrate and commission your biological safety cabinet.** For a maximum of protection for users and products.

Features at first glance:

- > 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 1300 mm (External dimensions) / 1200 mm (Internal dimensions)
- > Latest technology (e.g. opt. remote control)
- > Remarkably low noise level and power consumption
- > Many different features
- > Produced in Sweden
- > Functional and modern design



HMC BSC 600
Safety in miniature size

Perfect for challenging tasks in the smallest spaces



HMC BSC 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 CO₂-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.

Technology: state of the art



Are you looking for...

... a maximum of product and user protection?



... an uncomplicated way of cleaning the unit?

... recreation for tired eyes?

... a highly effective UV-light to degerm your working surface?

... to easily weigh your samples inside the BSC at 4 decimals without imprecisions caused by vibrations on the working surface?

... the possibility of adding options to meet your requirements?

Our solutions for you:

- > **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**.
- > **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. By that the front window can be accessed for **cleaning from above without any airflow interruption**.
- > A **dimnable LED-light** is a standard feature for the working space; maximum 2000 lux.
- > **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.
- > 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.
- > 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 configure the safety cabinet according to your requirements.

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

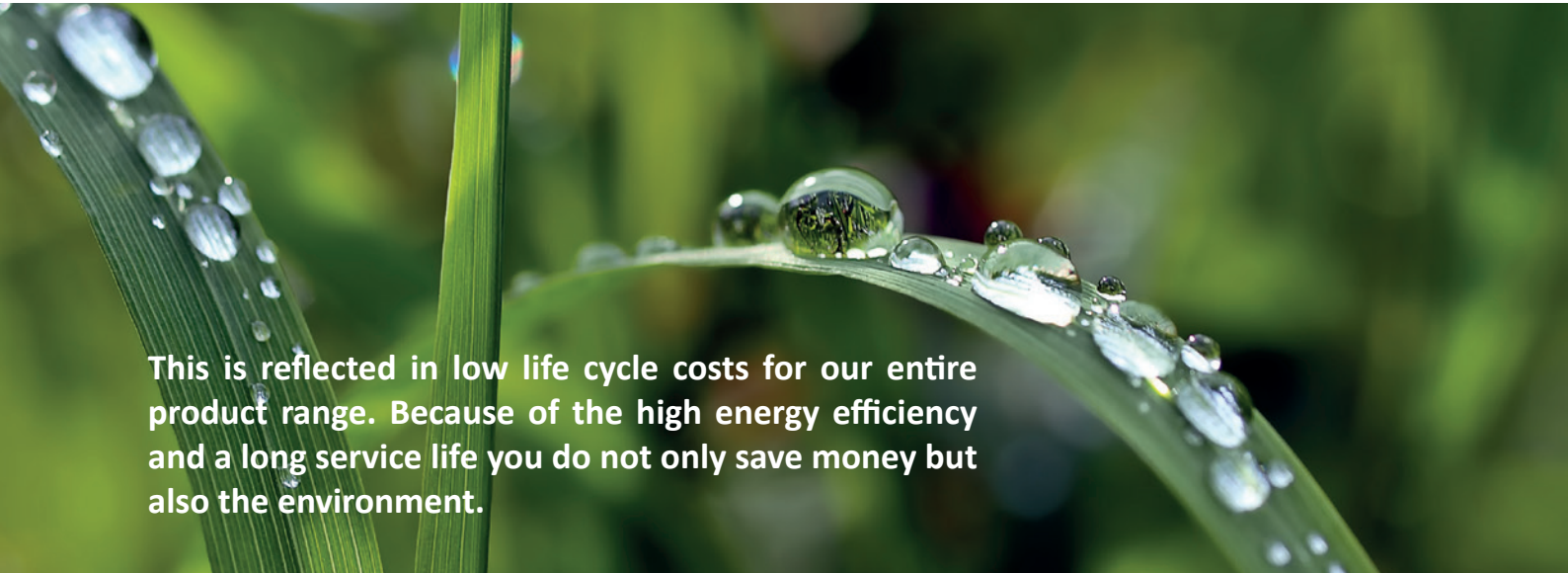
| Technical data | Unit | HMC Safeguard Pro 600 | HMC Safeguard Pro 1200 |
|---|-------|---|--------------------------|
| Art.-Nr. | | 80000 | 80001 |
| External dimensions, W x D x H | mm | 600 x 730 x 1953 (1978) | 1303 x 799 x 1953 (1978) |
| Internal dimensions, W x D x H | mm | 540 (597) x 530 (640) x 700 | 1200 x 520 (625) x 700 |
| Front window opening | mm | 200 (adjustable 180 - 330) | |
| Work height, standard support stand | mm | 700 - 1050 | |
| Weight | kg | 145 | 220 |
| Downflow | m/s | 0,28 (adjustable 0,25 - 0,53) | |
| Inflow | m/s | 0,45 (adjustable 0,45 - 0,55) | |
| Deviation | ±% | <8 | <8 |
| Noise level ISO3744 | dB(A) | 46 | 46 |
| Down flow rate | m3/h | 340 | 680 |
| Exhaust flow rate | m3/h | 180 | 390 |
| Downflowfilter, 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 V/50-60 Hz or 110-120 V/50-60 Hz | |
| Power consumption, from | W | 60 | 100 |



Our Safeguard Pro 600 is not wider than a customary laboratory dish was-her! By that, you can make the most of the space in your laboratory.

**Saving resources?
Of course!**

Environmental protection is important to us!



This is reflected in low life cycle costs for our entire product range. Because of the high energy efficiency and a long service life you do not only save money but also the environment.

How can we achieve this? For our autoclaves **we manufacture high quality materials** to high-tech chambers with reduced mass. This ensures **energy efficiency with short heating and cooling phases**. For **maximum efficiency** the heating takes place directly in the feed water. Moreover, we achieve **a remarkably low power consumption and noise level** for our biological safety cabinets by using latest technology.

All of our products are designed for **durability** to ensure you can enjoy your equipment for a long time. That is not only a matter of sustainability but also a surplus value for you.

In our **maintenance contracts** we ensure that a maximum service life can be achieved by examining the devices carefully. The best thing is to convince yourself personally!

As a family business we think and plan long-term and **integrate environmental protection in the different compartments of our company**. That is why this catalogue is printed on paper obtained from sustainable forestry. The difference: FSC guarantees the use of forests according to social, economic and ecological criteria to preserve an environment worth living in for future generations.

Recycling in a different way



Do you have scarce financial resources but do not want to have a lack of quality? Just try one of our **"as good as new" autoclaves from fairs or service loans**. You only have to cut back on prices. Technically the devices are always in perfect condition, visually as good as new or with only slight signs of wear and tear. All devices are examined closely before shipping and the functionality is confirmed by a certificate. Just contact us, we are happy to assist you!

With our certified technicians and service partners we are always at your side.

You own a device from HMC Europe and need technical support?

With our **trained technicians** and our service network all over Europe we will be happy to assist you. Your safety and satisfaction in handling your HMC safety cabinet is our highest ambition.

We are happy to assist you:

- > **Installation and commissioning of all** HMC Europe biological safety cabinets
- > **Calibration of the safety cabinets:** Testing and adjustment of air flows (Inflow and Downflow) and filter test (Downflow-Filter and Exhaust-Filter) on site according to DIN EN 12469. The calibration is required by law for every new installation in the laboratory or a change of location of the safety cabinet in the room or building.
- > **One-time maintenance services**
- > **Regular maintenance services** based on a convenient maintenance contract
- > **Final DGUV-3** (test for electrical safety) after every maintenance/repair
- > **Support by phone** for minor issues
- > **On-site repairs**



For an interactive map with our service partners and more information please visit us online: www.hmc-europe.com.

How can we assist you?

HMC
EUROPE

Sterilization Technology

HMC Europe is your perfect partner for peak performances



Individual and experienced consulting and extensive customer service: We provide excellent consulting service and active support for our customers from the first offer to commissioning, shipping and maintenance of your devices.



You want to start immediately? No problem! We **deliver reliably and punctually. Almost all units are in stock.**



We will support you with our **skilled technicians and service network all over Europe.** Whether you need a modification, repair or a maintenance service.



Safety produced in series: Every HMC Europe autoclave or biological safety cabinet is built in modern factories according to latest technology.

**We also support
you in servicing your
HMC products. Just ask for
our maintenance
contracts!**

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