

Information to**Model HGD 113**

Autoclave,
Chamber volume total/effective: 132,9/113 litre
Chamber dimensions (mm): 500 Ø x 576 H
External dimensions (mm): 686B x 930T x 870H
Working temperature: 105° C – 135° C
Max. Chamber pressure: 2,5 bar
Power: 6,8 KW
Power supply: 400 Volt/50-60Hz/3 phases
Net weight: 184kg
Capacity baskets 2

**Description and technical information:****Contained in the base price:**

Separate steam generator
Vacuum function: Pre- and Drying vacuum
Fully automatic microprocessor controlled
12 installed programs, special programs adjustable
Timer-controlled night program - overnight sterilization does not heat up the laboratory
AGAR program with thermostatic heating for AGAR Production
Drying program with vacuum and chamber warming
Liquid program with removal temperature of 60- 95°C
Solid Program for glasses and instruments
Steam pot program
USB Connection,
Water cooling system
Automatically water supply
Lid-opening and lid-closing by pressing a bottom
On wheels - cleaning is possible even under the autoclave

Safety:

Sterilisation parameters can't be changed after starting the program run
Safety valve TUV proofed
Automatically door locking, sensor controlled and spring tension limited
Limiter for max. chamber temperature
Course announcement, big illuminated display
Collective connection for resignation administrations
Bottom plate to ground baskets and vessels
Safety sensor for heating elements
Approval by TÜV Bayern e.V.
CE-mark

Chamber and basics:

Lid with fast locking device and pressure are made from stainless steel (SUS 304). For easy cleaning the chamber is polished. The housing is powder coated and also easy to clean. additionally heat protection under the lid handle. The main switch is built-in and is protected by unintentional using. Two recessed handles facilitate easy manipulation.

The feed-water-level is controlled and low water level is indicated. For protection of heating elements the autoclave cannot be started without enough water. An optional feed water connection automatically controls the water level. The exhaust steam condenser cools steam and condensate. This prevents fogging of instruments and unpleasant odours.

The central quick lock can be actuated with one finger touch. An optional thermo lock with sterilization time control prevent hazards to the laboratory staff by delayed boiling. The lid remains closed until overpressure inside of sterilization chamber. The heat resistant plastic cover protects for touching of hot parts. The lid gasket is a part of the lid, swings towards the top away and cannot be damaged by baskets or similar things. There is space for 2 baskets inside .

Full automatic microprocessor controlled

There are 12 installed sterilization programs available (according equipment):

- 3 Programs for Liquid sterilisation
- 3 Programs for Solid sterilisation
- 3 Programs for textile (Fabrics) sterilisation (vacuum function)
- 3 AGAR programs

Sterilization temperature and –time can be easily changed before sterilization start. The steam exhaust (cooling time) is adjustable, for sterilization of sensitive media.

Timer controlled sterilisation start (overnight program). This offers an additionally sterilisation. With this program it is possible to have a ready-to-use AGAR in the morning
Flexible area code of the ventilation time – so also Durham small tubes can be sterilized.

The program works from start to end of sterilisation full automatically. The temperature is controlled either direct inside liquids (flexible temperature sensor, optional) or inside the chamber. The process is temperature controlled and for shortening of heating-up-time additionally pressure controlled. This offers low power consumption and fast process time.

Autoclave HG 113 Article Nr. 21007

Accessories Exhaust air filter

sterilisation of exhaust air, when sterilizing high infectious materials
During the venting phase the non-sterile residual air in the autoclave will be pressed out from the steam. The steam-air- mixture is contaminated by (infected) germs. As the sterilisation conditions in the heating phase are not yet sufficient, this air-mixture must be sterile filtrated. The high flow bio X Filter cartridge (validated on MS II Coliphagen and Beuvundimonas Diminuta!) has got retention down to 0,01 micron, is installed in a separate steal case which will be sterilized with each charge. So the Filter can be changed without risk.

Article Nr. 51011

Flexible temperature sensor

for point started sterilisation time by media temperature
media temperature control with flexible temperature sensor
with opening temperatures of
95°C (open vessels), 90°C (closed plastic vessels), 80 °C (pressure tight closed glass bottles)
Sensor cable s=4mm
precision $\pm 0,2^{\circ}\text{C}$

Article Nr. 51001

Process documentation SEGOSOFT®

Software for safety and easy documentation of all relevant sterilisation-data,
CD ROM License for one device

Note: Service card with further costs is necessary

Article Nr. 51014

Stainless steel sterilizing basket "A" HG 113/133 small

Electro polished wire mesh basket, outside dimension Ø475 x 221mm H
Inner dimension Ø475 x 215mm. With collecting dish. Capacity HG113: 2 baskets

Best.-Nr. 51024

Basket with collecting dish "A" HG 113/133 small

Electro polished wire mesh basket, outside dimension Ø475 x 221mm H
Inner dimension Ø475 x 215mm. Capacity HG113: 2 baskets

Best.-Nr. 51024

Stainless steel sterilizing basket "B" HG 113/133 middle

Electro polished wire mesh basket, outside dimension Ø475 x 275mm H
Inner dimension Ø475 x 269mm. Capacity HG113: 2 baskets

Best.-Nr. 51025

Basket with collecting dish "B" HG 113/133 middle

Electro polished wire mesh basket, outside dimension Ø475 x 275mm H
Inner dimension Ø475 x 269mm. Capacity HG113: 2 baskets. With collecting dish

Best.-Nr. 51027

Stainless steel sterilizing basket "C" HG 113/133 big

Electro polished wire mesh basket, outside dimension Ø475 x 325mm H
Inner dimension Ø475 x 319mm. Capacity HG113: 1 basket

Best.-Nr. 51031

Basket with collecting dish "C" HG 113/133 big

Electro polished wire mesh basket, outside dimension Ø475 x 325mm H
Inner dimension Ø475 x 319mm. Capacity HG113: 1 basket. With collecting dish

Best.-Nr. 51033