

Information to

Model HG 50

Autoclave,	
Chamber volume:	50 Litre
Chamber dimensions (mm):	364 Ø x 482 H
Loading high:	750 mm
External dimensions (mm):	455B x 691T x 890H
Working temperature:	105° C – 135° C
Max. Chamber pressure:	2,5 bar
Power:	2,0 kW
Power supply:	230 Volt/50-60Hz
Net weight:	62kg
Capacity baskets	2



Description and technical information:

Contained in the base price:

Fully automatic microprocessor controlled
12 installed programs
timer-controlled night program - overnight sterilization does not heat up the laboratory
AGAR program with thermostatic heating for AGAR Production
Liquid program with removal temperature of 95°C
small feed water consumption
Electronic pressure switch, pressure and temperature control
exhaust bottle for condensation , this prevents fogging and unpleasant odours
drain valve for easy cleaning of sterilization chamber
bottom plate for baskets and cans
air-cooling by pressing a bottom usable
Lid-opening and lid-closing by pressing a bottom
on wheels - cleaning is possible even under the autoclave

Safety:

Safety valve
Pressure control of max. pressure
Limiter for max. chamber temperature
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.

Loading high is only 750mm without edges and eyelet at which baskets can hang remain. 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):
Liquid program including warming program
Liquid program without warming program
Liquid program with fast recooling
Liquid program with fast recooling and warming program
Solid sterilization
AGAR program

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.

Air-cooling

Fast recooling of liquids and media, cooling by strong ventilator, timesaving up to 40% against self cooling, no water connection, no supporting pressure necessary, recommended for frequent sterilisation

Built-in

Article Nr. 210010

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 Filtercartridge (validated on MS II Coliphagen and Bevundimonas 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

Article Nr. 51014

Stainless steel sterilizing basket HG 50/80

electro polished wire mesh basket, dimension Ø 338 x 220 H
Capacity HG 50: 2 baskets

Article Nr. 51009

Electropolished wire mesh basket for HG 50/80 with bottom,
dimension Ø338mm x 220mm H, with integrated reception dish

Article Nr. 51010

Stainless steel sterilizing basket HG 80

electro polished wire mesh basket, dimension Ø 338mm x 210mm H

Article Nr. 51019

Stainless steel sterilizing basket HG 80 with bottom

dimension Ø 330mm x 310mm H with integrated reception dish

Article Nr. 51023

Stainless steel sterilizing basket long with bottom

dimension Ø 325mm x 450mm H with integrated reception dish

Article Nr. 51023

Stainless steel sterilizing can for HG 50/80

electro polished stainless steel can Dim. Ø 330mm x 185mm H,

Article Nr. 51007

Stainless steel sterilizing can for HG 50/80

electro polished stainless steel can Dim. Ø 330mm x 185mm H, without holes

Article Nr. 51008

Freight and Package, Free German border HG 50

behind first lockable door, with package

Article Nr. 21300