

Autoclaves / Steam Sterilizers, HMC



Vertical and table-top autoclaves for microbiological tasks:

High safety standards and low life cycle costs, convenient and easy to use. You will be provided with detailed safety instructions, for After-sales support is very important to us. Therefore we also bring the autoclave into service and offer service contracts.

Premium vertical autoclaves of the HG-Series – fulfilling highest demands regarding performance and comfort

Intuitive operation and enhanced operating comfort with premium user protection.

Features at a glance:

- Certified according to the Pressure Equipment Directive 2014/68/EU
- Available in 4 sizes with 50, 80, 113 and 130 litres of effective usable volume
- Innovative locking system with motorized lid including pressure and temperature monitoring
- Steam generation in the chamber
- High energy efficiency and long service life
- Rapid cooling for short cooling times
- Optionally available with flexible temperature sensor for the sterilization of liquids
- Timer function and 4 program groups with 3 subgroups each, including night and pressure cooker program, adaptations for customized programs are always possible
- Coasters ensure mobility of the unit
- Easy-to-clean plastic surface with rounded corners at contact points (avoids burns and concussions)
- Electrical, mechanical and constructional factors guarantee the highest level of quality and user protection
- Does not require any water/waste water installations, except with automatic water supply (models HGS and HGD)
- With our wide range of accessories from the printer to the media temperature sensor, we can customise our autoclaves to your needs

Autoclaves of the HG series with special equipment:

- HGS autoclaves with integrated steam generator
- 113 or 133 litres of effective usable volume
- Extremely short heating times due to highly efficient steam generator directly at the chamber
- Dynamic multi-directional steam inlet ensures that steam is permanently available
- Preheating program
- Segmented jacket heating
- No heating elements in the boiler
- Pyrolytic self-cleaning program
- Insulation jacket
- Rapid water recooling as a standard
- Automatic water infeed and automatic drain

HGD autoclaves with steam generator (s. HGS) and additional vacuum pump, directly coupled to boiler

- 113 or 133 litres of effective usable volume
- Extremely short heating times due to highly efficient steam generator directly at the chamber (s. HGS)
- Pre- and drying vacuum for the sterilisation of fabrics, hollow components, tubes, bottles, pipettes, glass vessels, all open-pore materials, mixing fractions in garbage bags or filters
- Powerful water ring pump (vacuum) saves time and ensures highest level of efficiency

HG series, electrical heated directly in the chamber, with rapid cooling system

	①	②	③	④
Type	HG 50	HG 80	HG 113	HG 133
Chamber volume	160	85.1	131.7	152.2
Useful volume	150.2	76	108	129
Chamber dim. Ø×H mm	364×482	364×730	500×552	500×656
Outer dim. W×D×H mm	455×691×890	455×691×1030	686×870×930	686×870×1034
Space requ. W×D×H mm	465×970×1250	465×970×1390	700×1150×1350	700×1150×1450
Weight	kg 62	73	137	145
Power	kW 3	3.8	5.8	5.8
Voltage	V AC 230/240	AC 230/240	AC 400	AC 400
Working temperature °C	60 – 135	60 – 135	60 – 135	60 – 135
Max. work. pressure bar	2.5	2.5	2.5	2.5
Documentation	Integrated printer/RS232/USB (optional)	Integrated printer/RS232/USB (optional)	Integrated printer/USB (optional)	Integrated printer/USB (optional)
Order No.	10 60 52101	10 60 52102	10 60 52103	10 60 52104

Carriage on request



HGS series with steam generator and water-cooling

Type	HGS 113	HGS 133
Chamber volume	l 131.7	153.4
Useful volume	l 113	133
Chamber dim. Ø×H	mm 500×576	500×680
Outer dim. W×D×H	mm 686×870×930	686×870×1034
Space required W×D×H	mm 700×1150×1350	700×1150×1450
Weight	kg 153	161
Power	kW 6.8	7.1
Voltage	V AC 400	AC 400
Working temperature	°C 60 – 135	60 – 135
Max. working pressure	bar 2.5	2.5
Documentation	Integr. printer/USB (optional)	Integr. printer/USB (optional)
Order No.	10 60 52105	10 60 52106

Carriage on request

HGD series with vacuum, steam generator and water-cooling

Type	HGD 113	HGD 133
Chamber volume	l 131.7	153.4
Useful volume	l 113	133
Chamber dim. Ø×H	mm 500×576	500×680
Outer dim. W×D×H	mm 686×870×930	686×870×1034
Space required W×D×H	mm 700×1150×1350	700×1150×1450
Weight	kg 184	192
Power	kW 6.8	7.1
Voltage	V AC 400	AC 400
Working temperature	°C 60 – 135	60 – 135
Max. working pressure	bar 2.5	2.5
Documentation	Integr. printer/USB (optional)	Integr. printer/USB (optional)
Order No.	10 60 52107	10 60 52108

Carriage on request

Options and accessories

Article	Order No.
Flexible thermo couple	10 60 55101
Modular printer	10 60 55116
Exhaust air filter	10 60 55111
⑤ Lifting device	10 60 55135
Automatic water supply HG 50	10 60 55112
Automatic water supply HG 80	10 60 55113
Automatic water supply HG 113/133	10 60 55136
GLP Set (printer and exhaust air filter)	10 60 55130
Validation connection	10 60 55180
Process documentation SEGO® Soft, 1 license	10 60 55030

Process documentation SegoSoft®, fully automated documentation, data output in graphic or table form, digital preservation in PDF/A1 format with advanced digitale signature

Matching loading baskets and buckets available on request.

⑥ Loading baskets / loading buckets

Article	Inner Ø mm	Inner height mm	Order No.
HG 50/80 Loading basket	345	235	10 60 55109
HG 50/80 Loading basket with collecting tub	345	235	10 60 55110
HG 80 Loading basket	345	315	10 60 55118
HG 80 Loading basket with collecting tub	345	315	10 60 55123
HG 50/80 Double basket with tub	345	460	10 60 55105
HG 80 Triple basket with collecting tub	345	700	10 60 55134
HG 50-80 Bucket with hole	345	190	10 60 55107
HG 50-80 Bucket without hole	345	190	10 60 55108
HG 50-80 Bucket without hole (21 litres)	340	306	10 60 55106
HG 113/133 Basket A (small)	480	235	10 60 55124
HG 113/133 Basket A (small) with collecting tub	480	235	10 60 55125
HG 113/133 Basket B (medium)	480	275	10 60 55126
HG 113/133 Basket B (medium) with collecting tub	480	275	10 60 55127
HG 113/133 Basket C (tall)	480	325	10 60 55132
HG 113/133 Basket C (tall) with collecting tub	480	325	10 60 55133
HG 113/133 Bucket	490	340	10 60 55128
HG 113/133 Bucket with lid	490	340	10 60 55129

