HMC EUROPE
Sterilization Technology



Vertical and table-top autoclaves

Sterilizing simply and well -
For microbiological tasks



Available in different sizes for perfect individualization according to your requirements!

Sterilizing simply and well

We assure durability, quality and comfort!



HMC Europe is known for high safety standards as well as low life cycle costs. Moreover we offer autoclaves which are convenient and easy to use.

Our **vertical autoclaves** guarantee a **long service life** thanks to sophisticated and proven technology. Japanese steel is used to manufacture high-tech chambers with reduced mass. This does not only provide a consistently **high quality of the autoclaves**, it also **ensures energy efficiency with short heating and cooling phases**.

Your safety is our top priority! HMC Europe's vertical and table-top autoclaves are optimally protected against overpressure due to constant pressure and temperature monitoring. Unintentional opening of the lid under pressure is prevented by the design of the device.

We offer reliable customer service and active support whenever it is needed. You will benefit from mor than 90 years of experience in the sector of autoclaving. With this knowledge we will help you to accomplish difficult tasks and to meet high standards even with limited resources in a simple and cost-efficient way.

After-sales support is very important to us. Besides simple and fast delivery you will be provided with detailed safety instructions. To ensure you will achieve the best possible result we support you from the beginning till the end of your project. Therefore we also bring the autoclave into service and offer service contracts - after all it is all about sterilizing simply and well.

Do you need further laboratory equipment? Just ask for our tailor-made solutions in the field of biological safety cabinets!

At first glance:
Our product portfolio

HMC EUROPE
Sterilization Technology

Vertical autoclaves premium
fulfilling highest demands regarding performance and comfort

HG-series

Vertical autoclaves classic
tireless, durable and ingeniously simple

HV-series

Table-top autoclaves
space-saving and convenient

HMT-series

Technical data and accessories
find the most suitable device for you

data & accessories

Environmental protection and service
our sustainable solutions for you

environment & service

Vertical autoclaves premium line
HG-Series

Highest demands regarding performance & comfort

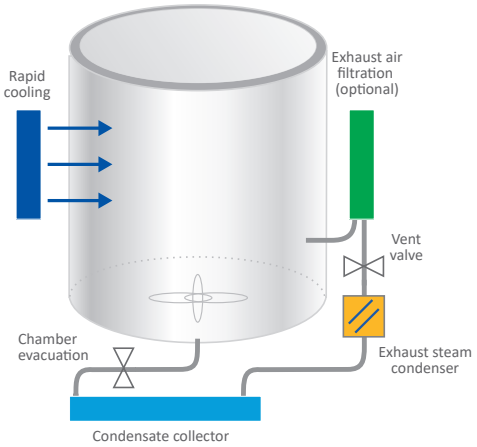
Features at first glance:

- > Certified according to the Pressure Equipment Directive 2014/68/EU
- > Available in two sizes with ca. 50 and 80 liters 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
- > Electrical, mechanical and constructional factors guarantee the highest level of quality and user protection
- > Also available with counter-pressure



The HG family
Premium autoclaves

Advanced functionality with many configuration options for a wide range of applications



Are you looking for...

... intuitive operation and higher working comfort?



Our solutions for you:

> The membrane keypad with **LED program display is absolutely self-explanatory**. You will easily find your way around. There won´t be any difficulties during loading and unloading the autoclave. Further advantages are the **low loading height and the smooth surface**. There are no obstructive locks or edges on which the baskets could get caught.
The **innovative exhaust steam condensation system** reduces odor and steam pollution to a minimum. Any condensate draining off the lid is collected and fed into the exhaust steam condenser. **The device and floor stay dry**.
For the 50 and 80 liters models only a **single-phase power supply** (220/240 V; 50/60 Hz) is required.

Are you looking for...

Our solutions for you:

... **low life-cycle-costs** as well as high **energy efficiency** because the protection of the environment is important to you?



> **Japanese steel** is used to manufacture high-tech chambers with reduced mass. This does not only provide a consistently high quality and long service life of the autoclaves, it also **ensures energy efficiency with short heating and cooling phases**. You will save time and money on electricity and repairs; **No electronics in the lid -** impervious to steam and heat; **Electrical heating with maximum efficiency,** directly in the feed water; **Dual sensor system (temperature and pressure)** for a controlled excess of pressure during the heating process which reduces the batch time; **The V-seal or double V-seal gasket** is embedded in the lid to protect it against any damage which may arise during loading and unloading. It can be replaced quickly if necessary.

... a **maximum of user protection?**



> **Electrical, mechanical and constructional factors** guarantee the highest level of quality and user protection: **electric and mechanical manometer** for alternating validation; **Safety valve (Made in Germany)**; Integrated **residual current circuit breaker**; **Certified according to 2014/68/EU by TÜV Rheinland (CE0035).**

> **Locking system with motorized lid** including pressure and temperature monitoring: opening and closing of the autoclave chamber are triggered via a single button. The lid is lowered gently and locked automatically. The program starts automatically; **Innovative passive sealing system** for a maximum imperviousness and at the same time a simple and durable construction; Unintentional opening of the lid under pressure is prevented by the design of the device; **Opening temperature pre-select between** 60-97 °C, **Thermolock** (optional); **Exhaust air filtration for applications in a S2 laboratory** (optional).

... **a variety of programs which meet your requirements?**

> **Timer function and 4 program groups** with 3 sub-groups each, including night and dissolution program. **Adaptions for customized programs are always possible**.

... **a simple way of cleaning your laboratory even below the autoclave?**

> **No water/waste-water installation required** except if optional automatic feed water supply is installed, **casters** for mobile use, **easy to clean plastic surface with rounded edges** in contact areas (no burns or injuries).

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

> From the **lifting device to a printer for documentation or a flexible temperature sensor**: our accessories make it possible to configurate the autoclave according to your requirements (loading accessories please see table on page 16|17).

Vertical autoclaves premium line
HG-Series

It is your choice - different autoclaving programs of the HG-Series



Loading baskets and cans offer more comfort when autoclaving. Autoclave deodorant and other accessories also make your everyday work easier. **Just have a look at page 16|17 or visit us at www.hmc-europe.com!**

- > Sterilization of solids: with fast release of steam for short processing times
- > Sterilization of liquids: with variable natural cooling or with rapid cooling for thermolabile materials
- > Sterilization of liquids: with subsequent warming cycle
- > Sterilization program for Agar with subsequent warming cycle
- > Dissolution program: pressure cooker program (up to 100°C) with subsequent warming cycle
- > Timer-controlled program: loading the autoclave in the evening - sterile and ready for punctual removal in the morning
- > Automatic standby operation: saves energy
- > **Adaptions for customized programs are always possible**

Individual configuration options

Flexible temperature sensor

- > For the sterilization of liquids
- > Extremely flexible, mechanically and chemically resistant
- > Quick response, encapsulated, steam-tight

Overview of all configuration options	
Type	**Art-Nr.**
Exhaust air filtration (Laboratories of safety level S2 and higher)	51011
Automatic feed water HG 50	51012
Automatic feed water HG 80	51013
Integrated printer	51016
Flexible temperature sensor / thermolock	51001
GLP Set (printer and exhaust air filter)	51030
Lifting device	51035
Validation connection	51080



Model comparison and accessories

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Find the right model for you

Functions	HG-series	HV-series
Chamber volume	50 and 80 liters	25, 50, 85 and 110 liters
Closing mechanism	motor driven lid	manual 1-finger closure (quick release)
Efficiency and durability	high efficiency and durability	simple, reliable and durable
Program memory	12	4 - 6 (depending on options)
Timerfunction	yes	yes
Design	modern	industrial
Task area	for different requirements	ideal for standard tasks
Counter-pressure	optional	no
Water connections/ Gas connections	optionally available	optionally available



Suitable accessories for your autoclaves

Loading accessories
With this „must-have“ you can easily and safely bring your sterilized goods into and out of the autoclave. We offer baskets in various sizes, with and without bowl or closed cans with and without holes. For our table top autoclaves we additionally support you with stacking systems, one set consisting of a rack with plates or grid.

Sterilization bags
These waste bags made of polypropylene film facilitate the sterilization and disposal of contaminated laboratory articles; available in different sizes, autoclavable up to 121°C or 134°C (depending on version).

Autoclave cleaner
Powerful against limescale and dirt: your autoclave will be cleaned quickly for an increased service life at regular application.

Autoclave deodorant
For a fresh scent in your laboratory, french perfume in five fragrances: classic, apple, citrus, berry and peach.

Indicator tape
Our allrounder: for sealing packages and at the same time for checking whether the labelled product has already been in the autoclave.



Selected accessories can also be ordered via www.hmc-europe.com as a free trial package.

Tireless, durable and ingeniously simple

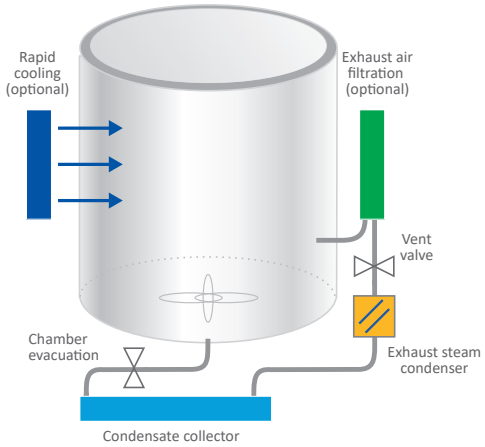
Features at first glance:

- > Certified according to the Pressure Equipment Directive 2014/68/EU
- > Available in 4 sizes with 25, 50, 85 and 110 liters of effective usable volume
- > Simple, reliable and with a long service life, your perfect choice for standard tasks
- > Optionally available with flexible temperature sensor for the sterilization of liquids
- > Electrical, mechanical and constructional factors guarantee the highest level of quality and user protection



The HV family
Classic autoclaves

Tireless devices for standard tasks



Are you looking for...

... an intuitive operation and long service life of your device?





Our solutions for you:

> Simple operation through a **bright display with program and progress indicators.**
The lid can be opened and closed with one finger. Radially locking bolts are moved **without applying any force**. The weight of the lid is completely balanced by a torsion spring for effortless opening and closing.
The **passive chamber seal** operates with virtually no wear. The lid gasket is not subjected to any mechanical friction and can be replaced easily if required.
Any condensate draining off the lid is collected and fed into the exhaust steam condenser. **Device and floor stay dry**.
For all devices up to 110 liters only a **single-phase power supply** (220/240 V; 50/60 Hz) is required.

Are you looking for...

... low life-cycle-costs as well as high energy efficiency because the protection of the environment is important to you?

Our solutions for you:

> **Japanese steel** is used to manufacture high-tech chambers with reduced mass. This does not only provide a consistently high quality and long service life of the autoclaves, it also **ensures energy efficiency with short heating and cooling phases**. You will save time and money on electricity and repairs; **No electronics in the lid -** impervious to steam and heat; **Electrical heating with maximum efficiency,** directly in the feed water; **Dual sensor system (temperature and pressure)** for a controlled excess of pressure during the heating phase which reduces the batch time**.**

... a maximum of user protection?

> **Electrical, mechanical and constructional factors** guarantee the highest level of quality and user protection: **electric and mechanical manometer** for alternating validation; **Safety valve (Made in Germany)**; Integrated **residual current circuit breaker**; **Certified according to 2014/68/EU by TÜV Rheinland (CE0035).**



> **Optional thermolock / flexible temperature sensor** for the sterilization of liquids. The thermolock prevents injuries to the operating personnel due to boiling delay. The lid can only be opened once the media temperature has dropped below the reference value after pressure equalization. Unintentional opening of the lid under pressure is not possible**.**

> **Exhaust air filter optionally available for safe, emission-free sterilization in a S2 laboratory**: During the heating phase, the steam displaces unsterilized residual air from the chamber and passes it through a filter system. In this way the surrounding air is prevented from being contaminated. Of course, there is an in-line sterilization of the exhaust air filter, which means the filter is sterilized during every cycle. Any condensate which acuumulates flows back into the chamber and gets sterilized.

... a variety of programs which meet your requirements?

> **Timer function and 3 program groups** with a max. of 6 programs including dissolution program. **Adaptions for customized programs are always possible**.

... a simple way of cleaning your laboratory even below the autoclave?

> **No installation to a feed water supply required**, **casters** for mobile use, **easy to clean plastic surface with rounded edges** in contact areas (no burns or injuries).

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

> From the **rapid lifting to a printer for documentation or a flexible temperature sensor**: our accessories make it possible to configurate the autoclave according to your requirements (loading accessories please see table on page 16|17).

Vertical autoclaves classic line
HV-Series

It is your choice - different autoclaving programs of the HV-Series

- > Sterilization of solids: with fast release of steam
- > Sterilization of liquids: with variable natural cooling
- > Sterilization of liquids: with optional rapid cooling for thermolabile materials
- > Sterilization of liquids: with subsequent warming cycle
- > Pressure cooker program: prepares Agar and keeps it ready for processing (up to 100°C)
- > Sterilization of Agar is possible with the sterilization program for liquids
- > Timer-controlled program: loading the autoclave in the evening - sterile and ready for punctual removal in the morning
- > Automatic standby operation: saves energy
- > **Adaptions for customized programs are always possible**



Individual configuration options

Overview of all configuration options	
Type	**Art-Nr.**
Exhaust air filtration (Laboratories of safety level S2 and higher)	50004
Automatic feed water	50017
Integrated printer	50006
Flexible temperature sensor / thermolock	50001
GLP Set (printer and exhaust air filter)	50021
Air cooling (rapid cooling)	50002

For loading baskets and cans to provide a more comfortable sterilization please see page 16|17 or www.hmc-europe.com

Table-top autoclaves
HMT-Series

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Space-saving and convenient

Find the autoclave suitable for your application!

The sterilizers are divided into 2 groups, the series "S" and "B". Which autoclave is **suitable** for your application should be determined during an individual consultation. Our product specialists are happy to assist you.



The HMT family
Table-top autoclaves

Perfect for easy tasks in your laboratory

Are you looking for...

... a way to sterilize all heat resistant laboratory instruments if they are suitable for sterilization?

... a way to sterilize simple packed or unpacked instruments?

... loading accessories for different applications?

Our solutions for you:

> **B-series autoclaves, e.g. our HMT 260/300 MB with vacuum, drying function and printer:** the air is removed from the sterilization chamber repeatedly with a fractionated prevacuum. Due to this the steam can sterilize through packages and in hollow parts.

> **S-series autoclaves, e.g. our HMT 230/260/300 MA with vacuum and drying function or HMT 230/260 FA.**

> From a batch system to loading baskets: our accessories makeit possible to configurate the autoclave according to your requirements (please see table on page 16|17).



Table-top autoclaves
The HMT-series at a glance

B-series autoclave HMT 260/300 MB - premium table-top autoclave

> Certified according to regulation 93/42/EEC
> Available in 2 sizes with a volume of 24 or 40 liters
> Powerful integrated vacuum pump, an essential feature for sterilizing tubes and hollow components
> 5 sterilization programs, fully automatic:
  - Sterilization of wrapped items: 121°C - 30 min.; 134°C - 15 min.
  - Sterilization of unwrapped items: 121°C - 15 min.; 134°C - 4 min.
  - Individual temperature selection from 105° to 135°C
  - Preset prion program
> 3 test programs: leakage test, helix test, Bowie-Dick test
> Controlled by a microprocessor
> Easy operation with a LCD display
> Documentation / data storage via SD card and printer
> Drying program, 1- 60 minutes
> 4 liters water tank, to be filled manually or automatically (purified water)
> Various safety features, e. g. safety valve or pressure-dependent door lock
> With modern design, easy maintenance



S-series autoclave HMT 230/260/300 MA - versatile table-top autoclave

> Certified according to regulation 93/42/EEC
> Available in 3 sizes with a volume of 16, 24 or 40 liters
> Powerful integrated vacuum pump, an essential feature for sterilizing tubes and hollow components
> 7 sterilization programs, fully automatic:
  - 121°C – wrapped / unwrapped (vacuum)
  - 134°C – wrapped / unwrapped (vacuum)
  - Liquid and prion programs
  - Bowie-Dick test
> Controlled by a microprocessor
> Progress indicator
> Internal water tank
> Electromechanical overheating protection
> Electronic overpressure protection
> Pressure safety valve
> Mechanical pressure-dependent door lock
> Reset/emergency button
> Easy maintenance



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S-series autoclave HMT 230/260/300 FA - for standard tasks

> Certified according to regulation 93/42/EEC
> Available in 3 sizes with a volume of 16, 24 or 40 liters
> 9 sterilization programs, fully automatic:
  - 121°C - wrapped / unwrapped solid items; with or without drying
  - 135°C - wrapped / unwrapped solid items; with or without drying
  - Liquid program: 121°C, 40 min.
> Controlled by a microprocessor
> Simple digital display
> Water tank
> Electromechanical overheating protection
> Safety valve
> Mechanical pressure-dependent door lock
> Reset/emergency button
> Easy maintenance



Functions	HMT MB-series	HMT MA-series	HMT FA-series
Chamber volume	24 and 40 liters	16, 24 and 40 liters	16, 24 and 40 liters
Vacuum pump	yes	yes	yes
Program memory	9	6	5
Test program	yes	no	no
Microprocess-controlled	yes	yes	yes
Design, Wartung	Modern, easy maintenance	Industrial, easy maintenance	Industrial, easy maintenance
Task area	For high Requirements	Ideal for varied tasks	Ideal for standard tasks
Water tank	yes	yes	yes
Drying schedule	yes	no	no

Please find further loading options and table top autoclave accessories on page 16|17

Technical data

Find the most suitable device for you

Vertical autoclaves HG/HV-Series	Unit	HG 50	HG 80	HV 25 L	HV 50 L
Art.-Nr.		**21001**	**21002**	**20000**	**20001**
Chamber volume	liters	60	85.1	28	54.2
Effective usable volume	liters	50.2	76	25	50
Chamber dimensions (Ø x H)	mm	364 x 482	364 x 730	240 x 550	300 x 710
External dimensions (W x D x H)	mm	455 x 691 x 890	455 x 691 x 1030	480 x 460 x 950	540 x 530 x 1040
Loading height*	mm	750	890	830	910
Required space (W x D x H)	mm	465 x 970 x 1250	465 x 970 x 1390	495 x 750 x 1250	560 x 810 x 1400
Electrical power	kW	3	3.8	1.5	2.0
Weight	kg	62	73	41	57
Power Supply	V	AC 230 V/240 V - 50/60 Hz - 1 phase			
Allowed operating temperature	° C	135		130	139
Selectable operat. temperature	° C	105 - 135		105 - 126	105 - 135
Warming temperature	° C	45 - 60		45 - 60 (Specialzyklus für Bearbeitung von Nährböden: 60 - 100	
Max. operating pressure	bar	2.5		1.4	2.2
Timer function		variable, 1 minute to 7 days			
Sterilization time	min.	variable, 1 to 300 minutes		variable, 1 to 250 minutes	
Locking system		automatic		Quick lock with one-lever option	
Certification		according to 2014/68/EU, CE 0035			
Vessel material		SUS304 (high-grade stainless steel)			
Integrated steam generator		No	No	No	No
Vacuum		No	No	No	No
Safety systems		Electro-magnetic safety lock, safety valve, low-water interrupt, overpressure protection switch, overheating protection switch, circuit breaker, fault indicator (visual and audible)			
Documentation		Integrated printer/RS232 (optional)		Integrated printer/USB (optional)	

Table-top autoclaves HMT-series	Unit	HMT 230 FA	HMT 260 FA	HMT 230 MA	HMT 260 MA
Art.-Nr.		**22004**	**22005**	**22002**	**22003**
Chamber volume	liters	16	24	16	24
Chamber dimensions (Ø x D)	mm	230 x 410	260 x 450	230 x 410	260 x 450
External dimensions (W x D x H)	mm	522 x 594 x 410	533 x 655 x 442	522 x 594 x 410	533 x 655 x 442
Electrical power	kW	1.9	2.4	2.0	2.8
Weight	kg	43	51	44	54
Water tank	liters	4.2			
Power Supply	V	AC 220 V / 240 V - 50/60 Hz			
Selectable operat. temperature	° C	121 / 135			
Max. operating pressure	bar	2.1			
Sterilization time	min.	4/15/22/30/ 40 min.	4/15/22/30/ 40 min.	4/15/22/30/ 40 min.	4/15/22/30/ 40 min.
Locking system		manual, electrically secured			
Certification		according to 93/42/EEC, CE 2460			
Vessel material		SUS304 (high-grade stainless steel)			
Vacuum		No	No	Yes	Yes
Safety systems		Overheating protection, safety valve, overpressure switch, mechanical-electrical chamber door lock, water level monitoring of the reservoir and sterilization chamber			
Documentation / Equipment		On request: recorder (SD-card) / USB			

*Height of the autoclave with open lid. This is the height the baskets must be raised to insert them into the autoclave chamber

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Vertical autoclaves HG/HV-series	Unit	HV 85 L	HV 110 L
Art.-Nr.		**20002**	**20003**
Chamber volume	liters	98.8	123.7
Effective usable volume	liters	85	110
Chamber dimensions (Ø x H)	mm	420 x 615	420 x 795
External dimensions (W x D x H)	mm	660 x 650 x 1000	660 x 650 x 1180
Loading height*	mm	870	105
Required space (W x D x H)	mm	680 x 930 x 1450	680 x 930 x 1650
Electrical power	kW	3.0	4.0
Weight	kg	71	81
Power Supply	V	AC 230 V/240 V - 50/60 Hz - 1 phase	
Allowed operating temperature	° C	133	127
Selectable operat. temperature	° C	105 - 128	60 - 123
Warming temperature	° C	45 - 60 (Specialzyklus für Bearbeitung von Nährböden: 60 - 100	
Max. operating pressure	bar	1.6	2.2
Timer function		variable, 1 minute to 7 days	
Sterilization time	min.	variable, 1 to 250 minutes	
Locking system		Quick lock with one-lever option	
Certification		according to 2014/68/EU, CE 0035	
Vessel material		SUS304 (high-grade stainless steel)	
Integrated steam generator		No	No
Vacuum		No	No
Safety systems		Electro-magnetic safety lock, safety valve, low-water interrupt, overpressure protection switch, overheating protection switch, circuit breaker, fault indicator (visual and audible)	
Documentation		Integrated printer/USB (optional)	

Table-top autoclaves HMT-series	Unit	HMT 300 MA	HMT 260 MB	HMT 300 MB
Art.-Nr.		**22012**	**22014**	**22021**
Chamber volume	liters	40	24	40
Chamber dimensions (Ø x D)	mm	300 x 570	260 x 450	300 x 570
External dimensions (W x D x H)	mm	620 x 900 x 489	533 x 655 x 442	620 x 766 x 489
Electrical power	kW	3.2	2.7	2.7
Weight	kg	68	59	87
Water tank	liters	4.2		
Power Supply	V	AC 220 V / 240 V - 50/60 Hz - 1 phase		
Selectable operat. temperature	° C	121 / 135	105 - 135	105 - 135
Max. operating pressure	bar	2.1		
Sterilization time	min.	4/15/22/30/40 min.	variable, 1 to 60 minutes	variable, 1 to 60 minutes
Locking system		manual, electrically secured		
Certification		according to 93/42/EEC, CE 2460		
Vessel material		SUS304 (high-grade stainless steel)		
Vacuum		Yes	Yes	Yes
Safety systems		Overheating protection, safety valve, overpressure switch, mechanical-electrical chamber door lock, water level monitoring of the reservoir and sterilization chamber		
Documentation / Equipment		On request: recorder (SD-card) / USB	Printer / SD-card; on request: flexible temperature sensor	

For loading baskets and cans to provide a more comfortable sterilization please see page 16|17 or www.hmc-europe.com

Accessories: loading baskets and cans with loading capacities

HG-Series / Loading capacities	Basket HG 50/ 80 w/o | w. bowl	Basket HG 80 w/o | w. bowl	Double Basket HG 50/80 w. bowl	Triple Basket HG 80 w. bowl	Can with hole	Can w/o hole	Can HG 50/ 80, 21 liters
Art-Nr.	51009 | 51010	51019 | 51023	51005	51034	51007	51008	51006
Ext. dimensions (Ø x H) in mm	346 x 235	346 x 315	332 x 460	332 x 700	345 x 190	345 x 190	340 x 306
Int. dimensions (Ø x H) in mm	338 x 220	338 x 300	325 x 450	325 x 690	330 x 185	330 x 185	301 x 296
HG 50 *(Baskets p. device)*	2	1	1	-	2	2	X[1]
HG 80 *(Baskets p. device)*	3	2	1	1	3	3	1
Round laboratory flasks 250 ml	16	32[2]	48[2]	64[2]	16	16	13
Round laboratory flasks 500 ml	11	11	20[2]	30[2]	10	10	8
Round lab. flasks 1.000 ml	8[3]	8	7	14[2]	7[3]	7[3]	5
Round lab. flasks 2.000 ml	4[3]	4	4	4	4[3]	4[3]	3
Square lab. flasks 500 ml	10	10	20[2]	30[2]	10	10	7
Erlenmeyer flasks 500 ml	7	7	14[2]	21[2]	7	7	5
Erlenmeyer flasks 1.000 ml	4[3]	4	8[2]	12[2]	4[3]	4[3]	3

HV-Series / Loading capacities	Basket HV 25 w/o | w. bowl (H. 50 mm)	Basket HV 25 high w. bowl (H. 100 mm)	Basket HV 50 w/o | w. bowl (H. 50 mm)	Basket HV 50 high w. bowl (H. 120 mm)	Basket HV 85 w/o | w. bowl (H. 50 mm)
Art-Nr.	50006 | 50027	50058	50007 | 50028	50057	50008 | 50029
Ext. dimensions (Ø x H) in mm	230 x 265	225 x 435	288 x 226	288 x 608	405 x 295
Int. dimensions (Ø x H) in mm	210 x 255	210 x 420	270 x 215	270 x 600	382 x 278
HV 25 *(Baskets p. device)*	2	1	-	-	-
HV 50 *(Baskets p. device)*	-	-	3	1	-
HV 85 *(Baskets p. device)*	-	-	-	-	2
HV 110 *(Baskets p. device)*	-	-	-	-	-
Round laboratory flasks 250 ml	7	5	10	10	21
Round laboratory flasks 500 ml	3	3	7	7	14
Round lab. flasks 1.000 ml	2	2	4	4	9
Round lab. flasks 2.000 ml	1[3]	1	1	1	5
Square lab. flasks 500 ml	3	2	6	6	13
Erlenmeyer flasks 500 ml	2	2	4	4	9
Erlenmeyer flasks 1.000 ml	1	1	2	2	5

HMT-Series / Loading capacities	Sterilizing box HMT 230 FA, MA	Sterilizing box HMT 260 FA, MA, MB	Sterilizing box HMT 300 MA, MB	Basket HMT 230 FA, MA	Basket HMT 260 FA, MA, MB
Art-Nr.	52012	52017	52039	52036	52037
Ext. dimensions (W x D x H), mm	345 x 183 x 130	375 x 215 x 135	500 x 205 x 185	340 x 180 x 120	370 x 220 x 120
Special characteristics	container with lid, side walls with closable holes			rectangular	
Loading capacity per device	1	1	1	1	1

Loading capacities per HMT	HMT 230 FA, MA	HMT 260 FA, MA, MB	HMT 300 FA, MA, MB
Round laboratory flasks 50 ml	23	46	55
Round laboratory flasks 100 ml	15	20	28
Round laboratory flasks 250 ml	8	11	21
Round lab. flasks 500 ml	4	5	12
Round lab. flasks 1.000 ml	-	-	7
Square lab. flasks 500 ml	4	8	18
Erlenmeyer flasks 250 ml	6	8	12
Erlenmeyer flasks 500 ml	3	3	8

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Sterilization Technology

Accessories articles[1]	Art-Nr.	Unit
Autoclave cleaner	70127	10 pcs
Autoclave deodorant (Apple, Citrus, Classic, Peach and Berry)	54006B, 54006BC, 54006D, 54006E, 54006F	50 pcs
Indicator tape	54002 / 54003	1 pc / 5 pcs
Autoclavable bags[2]	on request	depending on article

[1]for more information regarding accessories please see p. 7

[2]The autoclave bags for e.g. waste sterilization are available in different sizes from 1.5 liters up to 72 liters of volume as well as with or without multi-lingual safety print. For further information please contact us.



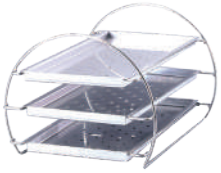
Basket HV 85/110 high w. bowl (H. 100 mm)	Basket HV 110 w/o | with bowl (H. 50 mm)	Can HV 25 closed	Can HV 50 closed	Can HV 85 closed | with a single row of holes	Can HV 110 closed | with a double row of holes
50061	50009 | 50030	50010	50011	50012A | 50012	50060 | 50013
405 x 610	405 x 385	225 x 260	288 x 222	410 x 289	410 x 379
382 x 600	382 x 373	210 x 255	270 x 220	390 x 284	390 x 372
-	-	2	-	-	-
-	-	-	3	-	-
1	-	-	-	2	-
1	2	-	-	-	2
22	21	7	11	22	22
14	28[2]	4	7	14	14
10	9	3	5[3]	10	10
5	5	1	2[3]	5	5
14	13	3	7	14	14
9	18[2]	2	4	9	9
5	5	1	2	5	5

Basket HMT 300 MA, MB	Stacking system set HMT 232 N	Stacking system set HMT 230 FA, MA	Stacking system set HMT 260 FA, MA, MB	Stacking system set HMT 300 FA, MA, MB	Spiral holder (all devices)
52038	52023	52024	52025	52054	52010
500 x 245 x 160	330 x 225 (max.) x 192 (max.)	330 x 225 (max.) x 192 (max.)	390 x 250 (max.) x 205 (max.)	550 x 290 (max.) x 245 (max.)	
rectangular	set, consisting of a rack with plates or grid and removal aid				f. small items
1	1	1	1	1	1

data & accessories

All data on loading capacities in the tables are non-binding guidance for you to help you find your perfect accessory.





Do you already know our consumables, e. g. autoclave deodorant for fresh room fragrance? For further information please see www.hmc-europe.com

[1] X = only 1 pc. of this basket can be loaded, no combination options with other sizes
[2] If intermediate pans are used
[3] The flasks are higher than the basket, so the baskets cannot be stacked.

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 i**ntegrate environmental protection in the different compartmens of our company.** That's 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.

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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" devices 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!

HMC EUROPE
Sterilization Technology

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

You already own an HMC device and need technical support?

With our **trained technicians** and our service network all over Europe we are happy to assist you. Your safety and satisfaction in handling your HMC autoclaves are our top priorities.

We are happy to assist you:

- **Installation and commissioning** of all HMC Europe devices on request (autoclaves and biological safety cabinets)
- **One-time maintenance services**
- **Regular maintenance services** based on a convenient maintenance contract
- **Data log** (Measurement of temperature and pressure inside the chamber of the autoclave)
- **Pressure equipment test for autoclave chambers according to BetrSichV**
- **Final DGUV-3** (test for electrical safety) after every maintenance/repair
- **Support by phone** for minor issues
- **On-site repairs**
- Your laboratory is developing, e.g. from a S1 to a S2 laboratory? We are happy to carry out **upgrades or modifications of your devices** on-site or in our technical department.



For an interactive map with our service partners and additional information please visit our homepage: **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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