





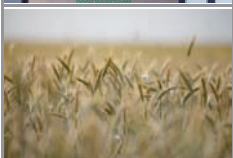

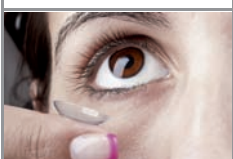



35 years know-how
in
steam sterilization

VARIOKLAY®

Laboratory autoclaves

VARIOKLAV® Laboratory autoclaves

Guideline for sterilization

Field of application	Work areas and objectives	Norms, regulations
 <p>Liquids, expendable materials and equipment</p>	<p>Sterile working and experimental conditions in microbiological laboratory, production of culture media</p>	<p>DIN 58951 GLP</p>
 <p>Laboratories with requirements according to the classification of biological agents in risk groups</p>	<p>Decontamination of equipment, sterile disposal of products, potentially infectious laboratory waste including wastewater in the risk groups 1 to 4</p>	<p>DIN 58951 BiostoffV GLP, GMP</p>
 <p>Laboratories with genetically modified agents, evaluation according to the classification in security levels</p>	<p>Decontamination of equipment, sterile disposal of products, waste and wastewater of laboratories in the security levels 1 to 4</p>	<p>DIN 58951 GenTechG, Gen TSV GLP, GMP</p>
 <p>Clinical laboratories, risks according to the classification of infectious germs in resistance levels</p>	<p>Decontamination of equipment, safe disinfection and sterilization of infectious pathogens and C-waste of clinical applications in 'moist heat'</p>	<p>DIN 58951 German Infection Protection Act (IFSG) RKI-Directive</p>
 <p>Manufacturing of sterile, pharmaceutical and medical products</p>	<p>Pharmaceutical products, e.g. provision of medical care through validated processes</p>	<p>DIN 58950, GLP, GMP, FDA, German Medicine Act, MPG, DIN EN 17665</p>
 <p>Provision of medical products in health services</p>	<p>Sterilization and storage of products for medical care provision through validated processes</p>	<p>DIN EN 285, DIN EN 13060, DIN EN 17665, MPG, MPBetreibV, RKI-Directive</p>
 <p>Verifying sterilizability and useful life</p>	<p>Determination of required sterilizing parameters for working equipment, expendable materials, indicators, e.g. process steps, reproducibility, thermal fatigue resistance</p>	<p>DIN EN 285 DIN EN 13060 DIN EN 17665</p>
 <p>Long term tests of products in a pressure climate chamber in saturated steam</p>	<p>Verifying thermal and pressure resistance, artificial aging, wear and diffusion behaviour of glass</p>	<p>e.g. HAST-Test DIN 52339</p>

Our concept – a modular device concept

Choosing a basic device

Floor or tabletop model?

Floor models make the best use out of the chamber volume by using baskets with the height of respective bottles.

Tabletop models can be easily loaded and unloaded, can be charged without baskets and require a massive table or an undercarriage.

Chamber volume of 25 to 200 litres

Which chamber volume is required?

What footprint is available?

The models are manufactured in different sizes. Our in-house production allows us to offer otherwise identically constructed devices with an extended chamber at low costs.

Applications

Sterilizers are part of the standard equipment of every microbiological laboratory.

Liquids and culture media are usually autoclaved at 121°C and 134°C. This complies with the requirements of most application fields.

The basic devices of our models are already equipped for these typical laboratory tasks.

If monitoring of production processes is needed, a special module makes the sterilization data traceable by printing it directly or by transferring it to external software.

Classifications for biological and genetically modified agents or infectious germs in the clinical field are defined according to their risk (also see "Guideline for sterilization").

Please clarify the classification of your laboratory and the requirements if needed with the relevant regulatory body.

Customer-oriented processes

How often and what, at what quality requirements is sterilized?

Apart from few exceptions all applications typical for a laboratory are covered by the two fast cooling modules and the two vacuum processes pre-vacuum for deaeration and post-vacuum for drying.

Using these, sterilization processes of liquids in open and hermetically-closed vessels as well as solid and porous goods (expendable materials) are swiftly performed with high quality.

When potentially hazardous agents are involved, the respective requirements and regulations need to be fulfilled. In these cases the module exhaust air filtration with condensate sterilization in combination with the documentation module (for traceability of the sterilizing process) ensures a validated and safe operation.

Extensions

In the highest risk group 4 and security level 4 additional measures need to be provided especially for hazardous materials that should be sterilized (on request).

All models are available with an extended chamber and most modules are retrofittable if the sterilization chamber is already equipped with a double jacket for cooling and heating.

For special sterilization tasks more programmes are obtainable, e.g. for Durham tubes.

Processes without prior venting are especially suited for steam/air mixtures. Sterilizing temperatures above 134°C are also possible.

It is recommended to stir culture media flasks with a capacity of more than 10 litres, during the entire sterilization. The continuous circulation of the liquid through a magnetic stirrer prevents the occurrence of a temperature gradient – hot at the top and cold at the bottom – in the media and minimises the risk of high thermal stress in the upper layers.

Accessories

An abundant supply of round, square, open and closed sterilizing baskets, lifting hoists and for media supplying completes our product portfolio.

Services after purchase

Transportation, installation, commissioning, training and installation testing according to the regulation for industrial safety by an authorised person, on demand operational qualification and validation of defined processes.

VARIOKLAV steam sterilizers comply with the European Pressure Equipment Directive and are equipped and certified for **stationary** as well as for **mobile** operation.

Warranty

- 1 year on material or production defects
- 5 years on stainless steel pressure vessels

HP Medizintechnik is a certified manufacturer of medical products



VARIOKLAV® Laboratory autoclaves

● ● ● The German Original

Performance you can trust – with the modularity to meet your needs

HP Medizintechnik GmbH VARIOKLAV laboratory autoclaves are designed and manufactured to exacting quality standards for safe, reproducible steam sterilization performance.

HP Medizintechnik GmbH is a certified manufacturer of steam sterilizers for medical purposes according to the German Medical Devices Act (MPG)

Easy, efficient, reliable

Ideally suited for laboratories where space is at a premium, our VARIOKLAV range spans slimline floor model and compact tabletop autoclaves with capacities from 25 to 200 litres. Units are fully equipped for routine sterilization tasks in laboratories, and can be customized with a variety of modules to provide unmatched versatility for specialist processes and high throughput applications.

- Four standard programs for safe sterilization of liquids, culture media, equipment and waste
- Fast, optimized deaeration with steam flushing and up to eight pressure changes
- Fast heating and cool-down for rapid throughput
- All processes can be validated

Uniquely small due to the space-saving steam generator

VARIOKLAV laboratory autoclaves are characterized by their compact size. They are equipped with an ultra-flat steam generator that reduces external autoclave dimensions to a minimum.



Separation of the steam generator and sterilization chamber maximizes the usable space capacity and eliminates chamber fittings. Neither heating elements nor feed water inside the chamber obstruct the loading, the unloading or the cleaning.



The separate steam generator prevents contamination of feed water by condensate, waste or media.



Versatile and expandable modules for individual requirements

The VARIOKLAV models can be optimally configured for a variety of application due to this wide selection. Standard units can be equipped with many different modules, enabling:

- High throughput by fast cooling sterilization of liquids and culture media
- Sterilization of solids and porous goods with pre-vacuum (waste) and additionally with drying vacuum (e.g. glass)
- Exhaust-air filtration with condensate sterilization
- GLP/GMP sterilization cycle traceability
- Chamber extension and variable equipment options for special applications available on demand
- Media temperature-controlled timing module for sterilizing large liquid volumes or documenting reaction times

Compact and economic

- Low power requirements
- Low feed water consumption of only 0.4 to 6 litres per charge
- Small footprint, because laboratory space is expensive

Easy and comfortable to use

Each basic VARIOKLAV autoclave is equipped with the same, easy-to-use control interface. All phases of the sterilization process run automatically. Frequently used programs can be initiated with a single button press.

- Fast-close, easy-open lid/door lock mechanism operates at the touch of a button
- Pneumatic support lifts lid on floor model autoclaves
- Automatic water filling from water source or tank
- Low deck height on floor models for easier loading and unloading

Improved safety

Our VARIOKLAV autoclaves are designed with utmost operator safety in mind. They comply with the DIN 58951-2 standard, and are certified to Category I or II under the European Pressure Equipment Directive. The sterilizing chamber is manufactured from 1.4571 titanium-reinforced stainless steel in accordance with EN 10028-7 standards.

Efficient, safe sterilization

Precise temperature control ensures reproducible cycles and delivers reliable sterilization without overheating or damage to media.

- Measurements from up to four temperature sensors are continuously compared to exact reference values
- VARIOKLAV autoclave sterilizing chamber can be pre-heated while the operator prepares the load, reducing the heating time of a cold unit.



Safe operation

Steam pressure that impacts on lids and doors is evenly distributed across multiple points on the closing ring of the fast closing system, ensuring maximum safety.

Two pressure sensors check for complete pressure release before VARIOKLAV autoclaves can be opened.

Air operated valves instead of solenoid valves require low maintenance and are reliably pressure and vacuum tight.



Unique fingertip fast closing system

Safe, quick and convenient – our automatic closing mechanism allows the opening and closing of the VARIOKLAV floor or tabletop autoclave at one touch of the button.

A pneumatic silicone seal secures the chamber for perfect pressure and vacuum tightness.

HP Medizintechnik
VARIOKLAV® Laboratory autoclaves

Performance you can trust - with the modularity to meet your needs.



Floor models, round chamber outstanding capacity - Low loading heights, fast loading and unloading

Advantages

- Extremely slim design, only 500 and 600 mm wide
 - Versatile control unit, simple for operators and flexible for lab management – all common laboratory requirements are covered
 - Thermal barrier pursuant to TRB 402* for liquids, built-in reference sensor, no media temperature sensor required
 - Customer-oriented sterilization programs
- * German standard for pressure vessels

Safe and future-proof

- Modules available for fast cooling, pre-vacuum and drying and for exhaust-air filtration with condensate sterilization
- Direct and independent batch documentation
- Special developed fitting blocks without dead spaces ensure a high sterilization quality and eliminate problem zones when sterilizing waste
- Abundant supply of accessories

HP Medizintechnik VARIOKLAV floor model autoclaves 75 S and 135 S

Slimline VARIOKLAV floor model autoclaves accommodate large loads in high-capacity sterilization baskets

- Chamber capacities of 75, 100 and 135 and 175 litres
- Deck heights as low as 750 mm for fast, easy loading and unloading
- Automatic exhaust steam condensation ensures a low temperature in the drain pipe, adjustable
- Available extension: media temperature control MT including a flexible liquid sensor
- Pneumatic lid lift for easy access
- Optional lifting hoist for heavy loads



Model	Order No.
Basic model VARIOKLAV 75 S*	51024301
Basic model VARIOKLAV 135 S*	51024302

*Media temperature control MT is not included



Outstanding chamber capacity
 VARIOKLAV tabletop autoclave chamber eliminates heating elements and feed water. The devices allow a comfortable loading from the front, if it is set up in a convenient table height.

Tabletop models, space-saving swing door, outstanding capacity where space is limited

Advantages

- Slim design, extremely small depth of 810 and 890 mm
- Versatile control unit, simple for operators and flexible for lab management - all common laboratory requirements are covered
- Innovative thermolock pursuant to TRB 402* for liquids, built-in reference sensor, no media temperature sensor required
- Customised sterilization programs

* German technical rules for pressure vessels

Safe and future-proof

- Modules available for fast cooling, pre-vacuum and drying and for exhaust-air filtration with condensate sterilization
- Direct and independent batch documentation
- Special developed fitting blocks without dead spaces ensure a high sterilization quality and eliminate problem zones when sterilizing waste
- Abundant supply of accessories

HP Medizintechnik VARIOKLAV tabletop autoclaves 75 T and 135 T

VARIOKLAV tabletop autoclaves offer chamber capacities of 75, 100 and 135 to 175 litres in a compact design.

- Neither heating elements nor feed water inside the chamber for an easy cleaning
- Efficient sterilizing of up to 28x1 litre bottles in one cycle (135 T)
- Removable shelf, height-adjustable in four positions
- Automatic exhaust steam condensation ensures a low temperature in the drain pipe, adjustable
- Available extension: media temperature control MT including a flexible liquid sensor
- Low feed water consumption for high throughput
- Undercarriage made of stainless steel or undercarriage with two castors for an easy cleaning of the footprint



Model	Order No.
Basic model VARIOKLAV 75 T*	51024303
Basic model VARIOKLAV 135 T*	51024304

*Media temperature control MT is not included

A rack system for the VARIOKLAV 25 T tabletop autoclave provides adjustable loading levels for applications flexibility (see accessories).



Compact, high performance tabletop model with rectangular chamber

HP Medizintechnik VARIOKLAV 65 T tabletop autoclave with or without undercarriage

Through its rectangular sterilizing chamber design the extremely compact VARIOKLAV 65 T offers the same range of functions as the bigger tabletop models and a maximized capacity of 65 litres on a minimal footprint.

- Slim footprint of only W/D 525/800 mm
- Efficient loading capacity of up to 18 square bottles of 1 litre
- Capacious feed water reservoir integrated, no feed water supply required
- Various application fields, especially suited for pharmaceutical labs, when high sterilization quality is requested
- Certified as a mobile and stationary medical device (1StE) according to EN 13485 for sterilizing medical products in hospitals



Small tabletop model with the technology of the big ones

HP Medizintechnik VARIOKLAV 25 T tabletop autoclave

The ultra-compact VARIOKLAV 25 T autoclave provides an exceptional 25 litres capacity for the smallest work areas.

- Exceptionally small footprint of only W/D 385/680 mm
- Efficient sterilizing of up to 4x1 litre bottles in one cycle
- Connection to a feed water supply is not required
- Feed water reservoir enables up to eight runs
- Chamber insert tray for metal baskets with several loading levels



Model	Order No.
Basic model VARIOKLAV 65 T*	50085022
Basic model VARIOKLAV 25 T**	51024306

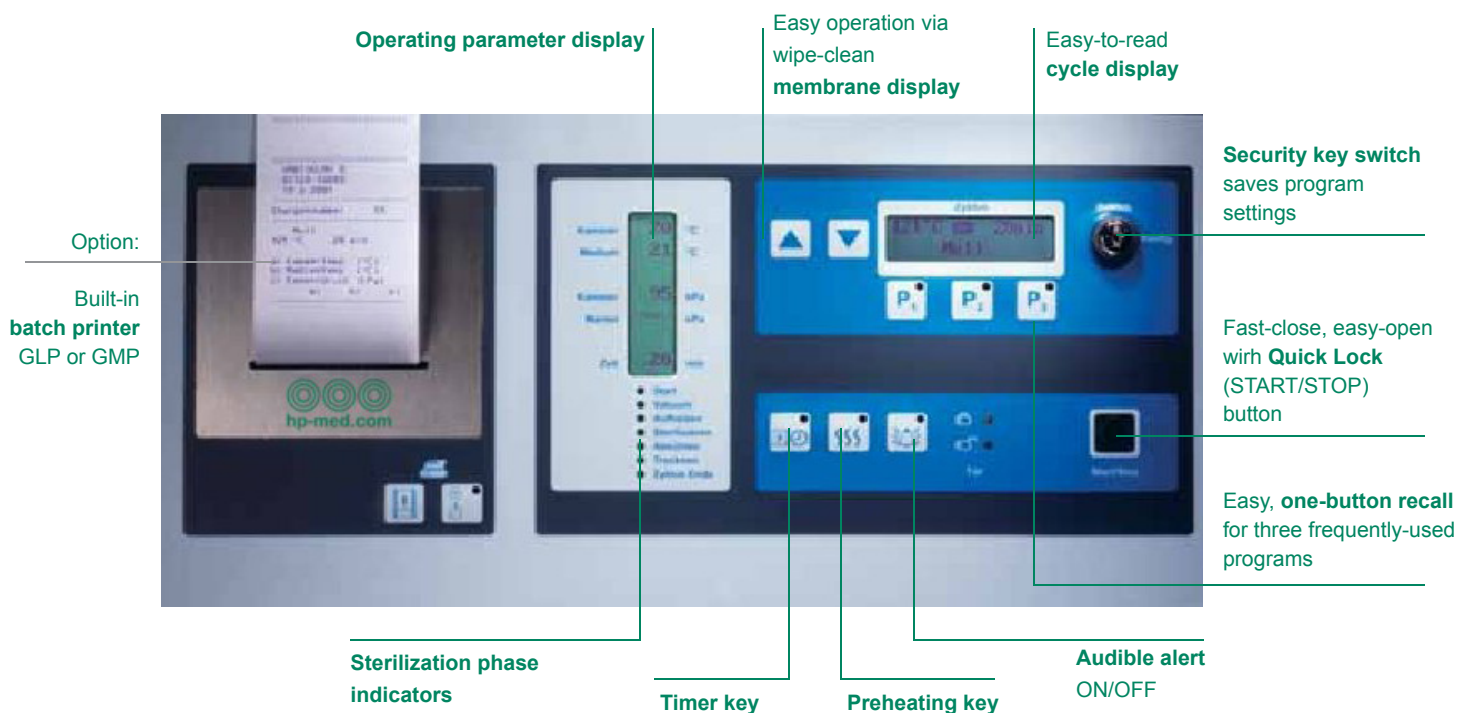
*No media temperature control MT is included ** Media temperature control MT is included



VARIOKLAV® steam sterilizers user-friendly microprocessor control

All HP Medizintechnik VARIOKLAV autoclaves are equipped with identical, easy-to-use controls. The same intuitive user interface is fitted as standard across the range, providing program control and access to module functions through a washable waterproof membrane keypad.

- Four standard sterilization programs for liquids, culture medium, equipment and waste
- Up to 16 individually configurable programs to be stored
- PC interface with analysis software
- Safe shut-down in the event of program interruption
- Convenient delayed start mode
- Error code display



User interface with a clearly arranged display of all process data during the execution of the programme

VARIOKLAV® Module options

Module options allow our HP Medizintechnik VARIOKLAV autoclaves to be configured for a variety of specialized sterilization tasks and process requirements.

Fast cooling



High throughput liquid and culture media sterilization

The fast cooling modules dramatically shorten autoclave cooling times, enabling greater throughput in batch processing applications. Cooling times are reduced to between 5 and 80 minutes, depending on procedure, vessel size and autoclave load.

- Media temperature control MT: Highly flexible, robust media probe for precise control of sterilization time

- Easily exchangeable in the case of service
- Monitoring of sensor break and short circuits
- Cooling water consumption: 15 to 40 litres

RM fast cooling module for sterilization of liquids in open vessels

- Integrated stainless steel water jacket provides cooling without reducing autoclave capacity
- Media temperature control MT and media temperature sensor included
- Cooling times reduced by up to 40%
- Advantageous for thermally unstable media, adjustable with drawal temperature



RG fast cooling module for sterilization of liquids in open and hermetically-closed vessels

- Integrated stainless steel water jacket, ventilator fan and counter pressure system with sterile compressed air
- Media temperature control MT and media temperature sensor included
- For fast, secure cooling of pressure-tight closed vessels, too
- Ultra-fast cooling times for open and lightly closed vessel sterilization
- Advantageous for thermally unstable media, adjustable with drawal temperature



Module	Order No.
RM fast cooling module** (open)	51900801
RG fast cooling module*,** (open, closed)	51900803

*Not available for VARIOKLAV 25 T ** Including media temperature control MT

VARIOKLAV® Module options

Pre-vacuum and drying



Sterilization of waste, solids and porous material

Integrated pre-vacuum module for VARIOKLAV autoclaves ensure safe sterilization of porous materials and items that are difficult to deaerate. An additional module with post-vacuum allows the unloading of materials in a dry state.

- Wrapped instruments (container, fleece)
- Tubes, syringes, pipettes, pipette tips in boxes
- Waste in bags (in combination with emission free sterilization)
- Textiles, filter candles and plates
- Equipment and materials with hollows or cavities
- Glass and working equipment

VF module fractionated pre-vacuum for thorough deaeration before sterilization

- Single pre-vacuum or fractionated pre-vacuum cycle completely removes atmosphere to enhance steam penetration and improve the sterilization quality
- Adjustable vacuum levels and pressure cycling allows economic processes for complete deaeration



VT module vacuum drying prevents re-contamination after sterilization

- After-sterilization, deep vacuum drying with powerful double wall heating eliminates moisture
- Chamber is uniformly heated from the outside, followed by sterile venting to prevent re-contamination



Module	Order No.
VF fractionated pre-vacuum module* (including single vacuum program)	51900805
VT fractionated pre-vacuum and vacuum drying module with sterile ventilation*	51900807

*Not available for VARIOKLAV 25 T

VARIOKLAV® Module options

Module options allow our HP Medizintechnik VARIOKLAV autoclaves to be configured for a variety of specialized sterilization tasks and process requirements.

Emission-free sterilization



Hazardous material sterilization

Our VARIOKLAV autoclaves are available with exhaust-air filtration and condensate sterilization. This enables safe, emission-free sterilization of hazardous biological materials and media, including pathogens, infectious agents and genetically engineered samples. Both the external atmosphere and waste-water drainage system are protected from contamination.

- Sterile disposal of potentially infectious laboratory waste in risk group 2 to 4
- Sterile disposal of genetically modified material from 2 to 4 security level laboratories
- Pressure-resistant stainless steel filter housing with integrated temperature measuring point
- Steam heated double jacket made of stainless steel enables exact temperature control of the sterilization chamber
- Safe sterilization of infectious material or pathogens from the clinical area
- Short steam paths ensure complete sterilization including the filter
- Easy-to-exchange filter, ensures sterility after each use, not penetrated by spores

FA module for exhaust-air filtration with condensate sterilization for safe sterilization of hazardous materials

- Aerosols contained in exhaust air are retained by a filter prior to sterilization
- Simultaneous sterilization of chamber contents, collected condensate and filter housing
- Sterilization chamber with bottom respectively back are evenly steam heated from outside
- Drain valve in the chamber floor has no inaccessible spaces and thereby guarantees a complete sterilization and removal of the condensate
- Pneumatically controlled valves safely lock the disposal area even in case of a media supply failure



Module	Order No.
FA module for exhaust-air Filtration with condensate sterilization*	51900809
Exhaust air filter cartridge	on request

*Not available for VARIOKLAV 25 T and 65 T

VARIOKLAV® Module options

Process documentation



Sterilization cycle traceability

Integrated printers for VARIOKLAV autoclaves provide a compliant hard copy of batch process parameters.

- E.g. for the documentation of validated processes
- The built in pressure and temperature sensors are still adjustable
- Printing on normal paper
- Print-outs have a shelf life of at least 10 years
- RS 232 and USB interface for process documentation via SegoSof

GLP batch printer for compliance through simple data recording

- Process steps, start/stop times, chamber/reference temperatures, chamber pressure and any alert alarms are registered
- Records digitally process data of the controller
- Recommended for routine procedures and security level 2 laboratories



GMP batch printer for compliance through the independent measuring system I-M-S

- Process steps, start/stop times, chamber/reference temperatures, chamber pressure, and any alert alarms are registered
- Temperature and pressure data from independent reference sensors calibrated to ISO 9000 standards are registered and displayed
- Recommended for demanding applications, pharmaceutical manufacturing and risk group 3 waste



Module	Order No.
GLP batch printer	51900810
GMP batch printer for the independent measuring system I-M-S *	51900811

*Not available for VARIOKLAV 25 T Extension Software SegoSof for process documentation

VARIOKLAV® Extensions

No overheating, high quality,
exact sterilization times



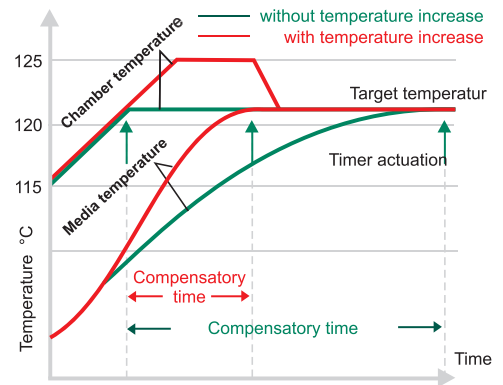
Media temperature control MT

The media temperature-controlled timing module is required for sterilizing large liquid volumes or documenting reaction times, when thermal stress affects the quality of the culture media.

- Suitable for temperature-sensitive media
- Assures a complete sterilization of large liquid volumes provided the probe is placed correctly

Effect of the media temperature control MT:

Controlled temperature increase e.g. to +4 K beyond target. The target temperature of 121°C is reached much earlier in the media because of the momentary increase of the chamber temperature.



Media temperature control MT

- Flexible liquid sensor for reference vessel
- Timer-controlled sterilization
- Ensuring target temperatures is reached
- Already integrated in the RM and RG fast cooling modules



Magnetic stirrer inside the sterilization chamber

- Recommended: stirring during the sterilization process minimizes temperature stratification in large volumes – hot above and cold below and besides reducing heating times also assures sterilization times
- No overheating at the media surface, no cold areas at the bottom
- Documentation of thermal stress through media temperature control MT



Extension	Order No.
Media temperature control MT*	51900818
Magnetic stirrer for flasks above 10 l	50107364

*Integrated in the fast cooling modules RM and RG

Loading capacity examples

Basic models and extended versions

Type	Chamber Net Volume (l)	Chamber Extension (mm)	Type of laboratory flasks					Erlenmeyer Flasks (1.000 ml)	Waste Solids (kg)
			Round (500 ml)	Round (1.000 ml)	Round (2.000 ml)	Square (250 ml)	Square (500 ml)		
Floor models									
VARIOKLAV 75 S	75	-	45	18	10	80	28	10	≤ 25
VARIOKLAV 100 S*	100	+ 200	60	27	10	100	36	15	≤ 30
VARIOKLAV 135 S	135	-	66	45	16	140	66	24	≤ 30
VARIOKLAV 155 S*	155	+ 100	**	**	**	**	**	**	≤ 30
VARIOKLAV 175 S*	175	+ 200	**	**	**	**	**	**	≤ 30
Tabletop models									
VARIOKLAV 25 T	25	-	6	4	-	14	12	3	≤ 5
VARIOKLAV 65 T	65	-	21	18	8	90	24	8 - 10	≤ 30
VARIOKLAV 75 T	75	-	28	15	8	72	28	8 - 12	≤ 25
VARIOKLAV 100 T*	100	+ 200	**	**	**	**	**	**	≤ 30
VARIOKLAV 135 T	135	-	64	27	10	100	64	15	≤ 30
VARIOKLAV 155 T*	155	+ 100	**	28	**	**	**	18	≤ 30
VARIOKLAV 175 T*	175	+ 200	**	**	**	**	**	21	≤ 30

*Models with extended chambers **capacity depends on the basket size

Ordering information and technical specifications

Floor and tabletop basic models and models with extended chamber

Type	Order No.	Chamber net volume (l)	Internal dimensions D/L (mm)	Operating temperature (°C)	Max. operating pressure / vacuum (bar)	Steam generator capacity / total volume (l)	Power requirement / heat output (kW)	External dimensions W/D/H (mm)	Weight (kg)
Floor models									
VARIOKLAV 75 S	51024301	75	400/600	98° - 134°	4.0/-1	4.0/6.0	4.8/4.5	500/650/1,000	140
VARIOKLAV 100 S	51024301 51900822*	100	400/800			4.0/6.0	4.8/4.5	500/650/1,200	160
VARIOKLAV 135 S	51024302	135	500/700			5.0/8.0	7.8/7.5	600/750/1,050	170
VARIOKLAV 155 S	51024302 51900830*	155	500/800			5.0/8.0	7.8/7.5	600/750/1,150	195
VARIOKLAV 175 S	51024302 (2x) 51900830*	175	500/900			5.0/8.0	7.8/7.5	600/750/1,250	210
Tabletop models									
VARIOKLAV 25 T	51024306	25	260/600	98° - 134°	4.0/-1	1.5/3.0	3.2/3.0	385/680/525	75
VARIOKLAV 65 T	51024307	65	320/600			5.0/8.0	9.6/9.0	530/850/700	145
VARIOKLAV 75 T	51024303	75	400/600			4.0/6.0	4.8/4.5	540/810/780	150
VARIOKLAV 100 T	51024303 51900822*	100	400/800			4.0/6.0	4.8/4.5	540/1,010/780	170
VARIOKLAV 135 T	51024304	135	500/700			5.0/8.0	7.8/7.5	640/890/880	180
VARIOKLAV 155 T	51024304 51900830*	155	500/800			5.0/8.0	7.8/7.5	640/990/880	205
VARIOKLAV 175 T	51024304 (2x) 51900830*	175	500/900			5.0/8.0	7.8/7.5	640/1,090/880	210

*Models with extended chambers Electrical supply 3N/400V/50Hz (except 25 T = 230V/50Hz)

Program options and extensions

Floor and tabletop basic models

Sterilization programs	Order No.
Steam pot program	51900812
Sterilization of Durham tubes - broth program (must be combined with RM or RG fast cooling module)	51900813
Sterilization temperature increased to 140°C in saturated steam for all programs, not available for 25 T and 65 T)	51900815
Extensions	Order No.
Chamber extension +200 mm, 25 litres for 75 S and 75 T	51900822
Chamber extension in steps of 100 mm (max. +300 mm), 20 litres per 100 mm for 135 S and 135 T	51900830
Software SegoSof for process documentation, including digital signatures in accordance with the German Signature Act (SigG)	50085028
Aquastop in case of leaks or damaged connections, ready-to-connect for up to 3 water supply lines, 100% uptime	50085029
Validation on request (unless data loggers are used)	51900826

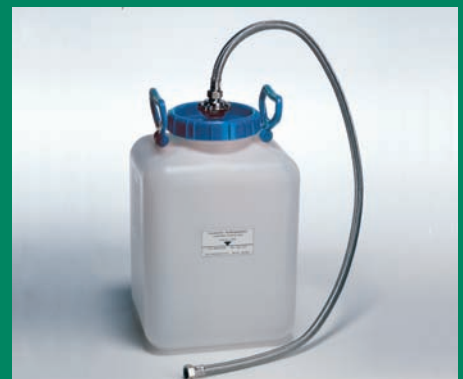
More sterilization programs and extensions can be found in our price list or are available on request

Accessories

Floor and tabletop basic models

Description	Dimensions D/H and W/H (mm)	Order No.
Condensate collection container 20 l		50089353
Storage tanks for demineralised water, 20 l*		50095734
Pressure proof, encapsulated magnetic stirrer (with 1 stirring point, stirring bar and external control unit)		50107364
Lifting hoist (maximum lift 900 mm, maximum weight 40 kg), powdercoated		50095875
Casters with locking mechanism set for floor models		51900851
Wire basket round for VARIOKLAV 135 S	485/320	50092114
Wire basket round for VARIOKLAV 135 S	485/200	50091748
Wire basket with drip tray round for VARIOKLAV 135 S	485/320	50092112
Hanging tray for sterilization baskets for VARIOKLAV 135 S	480/5	50090683
Metal basket for VARIOKLAV 135 S	470/310	50099824
Metal basket round with rotating lid for VARIOKLAV 135 S	490/345	50095753
Wire basket round for VARIOKLAV 75 S	385/260	50091747
Metal basket with drip tray round for VARIOKLAV 75 S	385/260	50091196
Metal basket for VARIOKLAV 75 S	390/280	50092106
Metal basket round with rotating lid for VARIOKLAV 75 S	380/260	50095759
Center shelf for VARIOKLAV 65 T	320/600	50085024
Center shelf for VARIOKLAV 75 T	360/580	51900834
Center shelf for VARIOKLAV 135 T	460/660	51900835
Undercarriage for VARIOKLAV 65 T		50098202
Undercarriage for VARIOKLAV 75 T		50085023
Undercarriage for VARIOKLAV 135 T		50098207
Chamber insert tray with one metal basket for VARIOKLAV 25 T		50091319

*Not required for VARIOKLAV 25 T and 65 T



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