CERTOCLAV

Fast
Compact
High Quality

COMPACT LABORATORY AUTOCLAVES

valid from 01.01.2024

Manuals, technical information and training videos:
www.certoclav.com

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CertoClav:
Quality since 1957

CertoClav has been developing and producing innovative steam sterilizers for over 60 years. Because of their compact size, our autoclaves are especially interesting for small labs or as an optimal addition to a large autoclave. CertoClav autoclaves have clear benefits for everyday laboratory practice. Their excellent performance stems not only from pioneering technology, but also from our reliable services.

Thanks to our sophisticated technology and the tried and tested, high quality components our autoclaves are low-maintenance and often in use for over 20 years. We offer a quick and inexpensive repair and maintenance service as a matter of course. Replacement devices are available anytime if needed. Here at CertoClav, our customers are our first priority. We want to offer you the best possible service and make sure you are 100% satisfied.

All our products are CE certified and follow the subsequent directives and standards:
- 2014/35/EU Low Voltage Directive
- 2014/30/EU EMV Directive
- 2011/65/EU Directive on the restriction of the use of certain hazardous substances in electrical and electronic equipment

You can find all CertoClav laboratory autoclaves and accessories in our new product catalogue 2024, compact at a glance. This catalogue reflects the know-how and wealth of experience, we gathered in collaboration with you in all sectors, all around the world. We, at CertoClav, are proud to be able to offer you cost-efficient end-to-end solutions among autoclaves, which let you quickly, safely and conveniently perform dependable sterilizations of liquids and solids of all kinds. If you want to learn more about CertoClav, our products, latest innovations and our retailers visit our website: www.certoclav.com

If you need further assistance please let us know and directly contact us via Email at support@certoclav.com or via phone at +43 732 674 278.

Michael Dirix
CEO of CertoClav
Sterilizer GmbH

CertoClav laboratory autoclaves

CertoClav autoclaves are efficient and economical to operate. Even small quantities can be autoclaved. Their simple operation allows effortless work in just a few easy steps. They are reliable, durable, nearly maintenance-free and transportable.

In addition to their robust construction, CertoClav autoclaves are distinguished by their functional and straightforward design. Many of our models can be programmed according to user requirements and are therefore extremely versatile. This makes CertoClav autoclaves suitable for a wide range of applications in everyday laboratory work, as well as in research and education. In addition to our devices we also offer a range of documentation and process management solutions.

With CertoTrace we offer a secure, simple and professional way to document the entire sterilization process. The software records which products have been sterilized by whom and when. Therefore, the traceability of sterilized products and the management of expiration dates are already integrated in the work process.

Our CertoCloud is a management software for PCs, smartphones and tablets. With it, you are able to control and manage your autoclave from anywhere you are. CertoCloud is also available as a lab-internal private cloud, which does not require an internet connection.

Autoclaves

Vertical laboratory autoclaves made of aluminum

- CertoClav EL
- CertoClav MultiControl

Vertical laboratory autoclaves made of stainless steel

- CertoClav Classic
- CertoClav MultiControl 2
- CertoClav Connect

Horizontal laboratory autoclaves

- CertoClav VacPro 12
- CertoClav VacPro 22
- STE-45-T & CertoAssist - SET

Highlights*

- 12-45-liter chamber volume
- robust construction
- cost-effective, space-saving solution
- fast heat-up time due to high performance
- for exacting sterilization
- autoclaves with vacuum
- sterilization of liquids, solids, waste, etc.
- customizable programming
- media sensor for liquids
- integrated documentation solution
- GMP/GLP, IQ|OQ|PQ

* Not every highlight is included in every model

Function and application overview

CertoClav Autoklav	EL	MultiControl	Classic	MultiControl 2	Connect	VacPro 12 + 22	STE-45-T
Feature							
documentation		+		+	+	+	+
programmable temperature		+		+	+	+	+
Only two temperature modes	+		+				
touchscreen					+	+	+
CertoCloud					+	+	+
Sterilization of							
unpackaged solids without hollow bodies	+	+	+	+	+	+	+
liquids	+	+	+	+	+	+	+
bottles	+	+	+	+	+	+	+
instruments	+	+	+	+	+	+	+
synthetic materials	+	+	+	+	+	+	+
rubber (105 °C)		+		+	+	+	+
textiles						+	+
packaged instruments						+	+
porous materials						+	+
hollow bodies type A and type B (pipettes, empty glassware, vials and tubes) according to EN 13060						+	+
Processing / preparation of							
culture media / agar agar	+	+	+	+	+	+	+
Waste treatment							
sterilization of waste	+	+	+	+	+	+	+
sterilization of waste in disposal bags						+	+
sterilization of biological hazardous substances (S2)		+		+			
Material tests		+		+	+	+	+
Long-term cycles		+		+	+		
automated cycle repetition						+	
Class B program cycles						+	+

Sterilizable goods

Instruments

Unpackaged instruments
single & double
packaged instruments

Liquids
in open bottles

Liquids with
Media sensor

Food
in open jars

Synthetics &
rubber

Textiles

Porous materials
& sand

Instruments
with cavities

Filters & waste

Vertical laboratory autoclaves made of aluminum

Benefits at a glance

The classics among our laboratory autoclaves have been on the market for over 60 years and impress with their robust construction. Furthermore, our autoclaves are extremely low maintenance. They are vented by flow procedures or fractional venting.

The sterilization chamber is made of high-quality 3103 aluminum. A heater is pressed into the bottom of the chamber, but the heating elements do not get into contact with the water directly and therefore cannot calcify. This extends the service life of the autoclaves.

Our laboratory autoclaves are ready for operation in just a few simple steps. The sterilization chamber can be opened and closed safely and easily with one simple step, simply turn the lid and remove it. They are both easy to transport and location independent. All you need is a power supply. The water used is a mixture of tap water and demineralized water.

Our autoclaves are safeguarded by a multi-level safety system. It consists of an overpressure valve, a pressure valve, a safety lock inside the lid to prevent opening under pressure and the overpressure safety cavity.

CertoClav EL

The economical end-to-end solution

For more than 60 years, the CertoClav EL has been our tried and tested economic autoclave end-to-end solution with valve control. A precision thermometer, a control valve, and a precision manometer with drag indicator provide precise processes and accurate results for all applications.

This model is available in two versions, each with two temperature levels. You can choose between 125/140 °C and 115/121 °C. These temperature settings are controlled via the control valve on the lid. These valves are not interchangeable, because the thermostat of the device is harmonized with and calibrated to the respective valve!

Ideal for the sterilization of unpackaged solids without hollow bodies, liquids, bottles, instruments, synthetic materials, food preservation, culture media preparation, and waste.

Key features

- robust construction
- 2 temperature levels (125/140 °C or 115/121 °C)
- thermostat controlled
- simple operation
- high heating capacity
- heating plate integrated into base
- venting by flow procedure
- precision thermometer
- precision manometer with drag pointer

Scope of delivery:
CertoClav EL including instrument tray and power cable

Also available as a SET with a wire basket, made of stainless steel, for convenient handling of autoclaving goods.

Specifications

	CertoClav EL 125/140 °C		CertoClav EL 115/121 °C	
Article number	8501312	8501318	8501312A	8501318A
Chamber volume	12 liters	18 liters	12 liters	18 liters
Chamber diameter	24 cm	24 cm	24 cm	24 cm
Chamber depth	26 cm	39 cm	26 cm	39 cm
Chamber material	3103-aluminum	3103-aluminum	3103-aluminum	3103-aluminum
Max. operating pressure	2.7 bar	2.7 bar	2.7 bar	2.7 bar
Mains connection	230 V, 50/60 Hz	230 V, 50/60 Hz	230 V, 50/60 Hz	230 V, 50/60 Hz
Heating capacity	1900 W	1900 W	1900 W	1900 W
Max. sterilization temperature	125 °C or 140 °C	125 °C or 140 °C	115 °C or 121 °C	115 °C or 121 °C
Net weight	6.2 kg	7.6 kg	6.2 kg	7.6 kg
Product dimensions (W*D*H)	39.5*27.5*50.5 cm	39.5*27.5*66.5 cm	39.5*27.5*50.5 cm	39.5*27.5*66.5 cm

Accessories

Article	Article number
Wire basket with handle	8583010
Service Set 1	1250499
Condensation vessel	8582020
Exhaust hose	8582016
Water distiller	8500482
Operation qualification	1250001

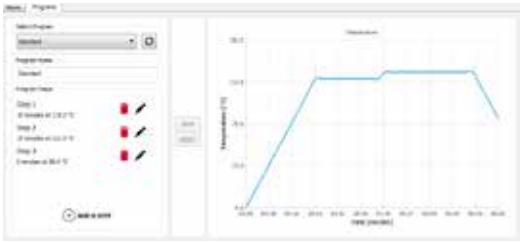
CertoClav MultiControl

The programmable all-rounder

The CertoClav MultiControl is a PT100 sensor-controlled laboratory autoclave. It is operated via a control unit. With this control unit you can customize the programs of the autoclave to your requirements. The possible settings range from 1 minute to 30 days and from room temperature to 140 °C. This simplifies and accelerates the work process in the laboratory and, at the same time, offers a versatile range of applications. The control unit is equipped with a USB and a printer port (RS232) for the transfer or printout of sterilization protocols. The automated process control saves valuable employee time and the automated error detection validates the sterilization result.

A software, recording the process data via USB, is included as a basic version. Without connecting a PC, the control unit can only be used to set programs that include just one time and one temperature step. For programs that include several time and temperature steps, the PC software professional version is required.

Ideal for extended / long-term cycles and material tests like GSB AL 631, HAST Test, Pressure Cooker Test und IPC-TM 650, as well as culture media preparation, sterilization of waste, sterilization of biological hazardous substances (S2), unpackaged solids without hollow bodies, liquids, bottles, instruments, synthetic materials, and rubber.



PC software professional version

Key features

- microprocessor-controlled
- automatic venting by fractional flow procedure
- electronic process control
- PT100 temperature sensor
- time and temperature individually editable
- control unit with LCD display
- RS232 & USB port
- heating integrated in the base

Scope of delivery:
Product set of CertoClav MultiControl and MC2 control unit, including instrument tray, power cable, PC software basic version available as free download

Also available as a SET with a wire basket, made of stainless steel, for convenient handling of autoclaving goods.

Specifications

	CertoClav MultiControl
Article number	8502312A
Chamber volume	12 liters
Chamber diameter	24 cm
Chamber depth	26 cm
Chamber material	3103-aluminum
Max. operating pressure	2.7 bar
Mains connection	230 V, 50/60 Hz
Heating capacity	1900 W
Max. sterilization temperature	20 °C to 140 °C, adjustable
Net weight	6.6 kg
Product dimensions (W*D*H)	39.5*27.5*48 cm

Accessories

Article	Article number
Wire basket with handle	8583010
Service Set 1	1250499
Condensation vessel incl. filter & hose	8582010
Filter cartridge	8582011
Condensation vessel incl. hose	8582020
Exhaust hose	8582016
PC software professional version	8500210
Log printer	1300187
Water distiller	8500482
Operation qualification	1250001

Vertical laboratory autoclaves made of stainless steel

Benefits at a glance

The new, improved generation of our laboratory autoclaves comes in a new design, with more functions and a completely new touchscreen control. The steam sterilizers impress with their solid construction and they are extremely low maintenance. They are vented by flow procedures or fractional venting.

The sterilization chamber is made of corrosion-resistant, electropolished stainless steel (316L), which makes it extremely robust. A heater is bolted to the bottom of the chamber, but the heating elements do not get into contact with the water directly and therefore cannot calcify. This extends the service life of the autoclaves.

Our laboratory autoclaves are ready for operation in just a few simple steps. The sterilization chamber can be opened and closed safely and easily with one simple step, simply turn the lid and remove it. They are both easy to transport and location independent. All you need is a power supply. The water used is a mixture of tap water and demineralized water.

Our autoclaves are safeguarded by a multi-level safety system. It consists of an overpressure valve, a pressure valve, a safety lock inside the lid to prevent opening under pressure and a bimetal safeguard to prevent overheating of the device.

CertoClav Classic

The indestructible with timer

The robust CertoClav Classic, the result of the further development of the CertoClav EL, is made of stainless steel and extremely low maintenance. A precision thermometer, a control valve, and a precision manometer with drag indicator provide precise processes and accurate results for all applications.

This model is available in two versions, each with two temperature levels. You can choose between 125/140 °C and 115/121 °C. These temperature settings are controlled via the control valve on the lid. These valves are not interchangeable, because the thermostat of the device is harmonized with and calibrated to the respective valve!

A timer is integrated to regulate the duration of the sterilization process. If the timer is activated, the device switches off automatically after the predefined sterilization time has passed. If the timer has not been activated, the autoclave must be switched off manually.

control valve

Key features

- robust construction
- 2 temperature levels (125/140 °C or 115/121 °C)
- thermostat controlled
- simple operation
- integrated timer function
- venting by flow procedure
- precision thermometer
- precision manometer with drag pointer
- heating plate integrated into base

Scope of delivery:
CertoClav Classic including instrument tray and power cable

Ideal for the sterilization of unpackaged solids without hollow bodies, liquids, bottles, instruments, synthetic materials, culture media preparation, and waste.

Specifications

	CertoClav Classic 125/140 °C	CertoClav Classic 115/121 °C
Article number	8510174	8510184
Chamber volume	18 liters	18 liters
Chamber diameter	26 cm	26 cm
Chamber depth	35 cm	35 cm
Chamber material	stainless steel 316L	stainless steel 316L
Max. operating pressure	2.7 bar	2.7 bar
Mains connection	230 V, 50/60 Hz	230 V, 50/60 Hz
Heating capacity	1300 W	1300 W
Max. sterilization temperature	125 °C or 140 °C	115 °C or 121 °C
Net weight	8.8 kg	8.8 kg
Product dimensions (W*D*H)	44.5*30*60.5 cm	44.5*30*60.5 cm

Accessories

Article	Article number
Wire basket with handle	1300149
Service Set 2	1310186
Condensation vessel	8582020
Exhaust hose	8582016
Water distiller	8500482
Operation qualification	1250001

CertoClav MultiControl 2

The programmable all-rounder

The CertoClav MultiControl 2 is a PT100 sensor-controlled laboratory autoclave. It is operated via a control unit. With this control unit you can customize the programs of the autoclave to your requirements. The possible settings range from 1 minute to 30 days and from room temperature to 140 °C. This simplifies and accelerates the work process in the laboratory and at the same time, offers a versatile range of applications. The control unit is equipped with a USB and a printer port (RS232) for the transfer or printout of sterilization protocols. The automated process control saves valuable employee time and the automated error detection validates the sterilization result.

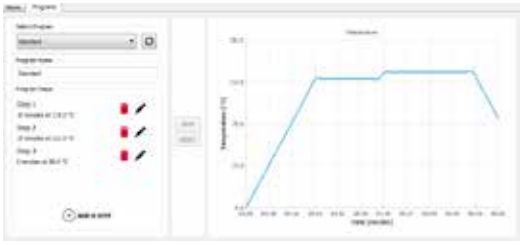
A software, recording the process data via USB, is included as a basic version. With the control unit only programs that include just one time and one temperature step can be set. For programs that include several time and temperature steps, the PC software professional version is required.

Ideal for extended/ long- term cycles and material tests like GSB AL 631, HAST Test, Pressure Cooker Test und IPC-TM 650, as well as for culture media preparation, sterilization of waste, sterilization of biological hazardous substances (S2), unpackaged solids without hollow bodies, liquids, bottles, instruments, synthetic materials, and rubber.

Key features

- microprocessor-controlled
- electronic process control
- PT100 temperature sensor
- time and temperature individually editable
- control unit with LCD display
- automatic venting by fractional flow procedure
- RS232 & USB port
- heating integrated in the base

Scope of delivery:
Product set of CertoClav MultiControl 2 and MC2 control unit, including instrument tray, power cable, PC software basic version available as free download



PC software professional version

Specifications

	CertoClav MultiControl 2
Article number	8510175
Chamber volume	18 liters
Chamber diameter	26 cm
Chamber depth	35 cm
Chamber material	stainless steel 316L
Max. operating pressure	2.7 bar
Mains connection	230 V, 50/60 Hz
Heating capacity	1300 W
Max. sterilization temperature	20 °C to 140 °C, adjustable
Net weight	9.5 kg
Product dimensions (W*D*H)	44.5*30*53.5 cm

Accessories

Article	Article number
Wire basket with handle	1300149
Service Set 2	1310186
Condensation vessel incl. filter & hose	8582010
Filter cartridge	8582011
Condensation vessel incl. hose	8582020
Exhaust hose	8582016
PC software professional version	8500210
Log printer	1300187
Water distiller	8500482
Operation qualification	1250001

CertoClav Connect

The fully automatic with cloud documentation

CertoClav Connect is a fully automated laboratory autoclave that requires no prior training. It is operated with a 7-inch, robust, high resolution touch screen, the CertoTouch. All operating steps are explained with training videos directly on the CertoTouch. Individual sterilization programs, which include several time and temperature steps can also be created directly on the CertoTouch. Once the autoclave is connected to the Internet via WLAN, it can be connected to the CertoCloud, an automatic process documentation.

With this automatic documentation the autoclave meets all GLP requirements. The basic license of CertoCloud is already included.

Ideal for extended/ long- term cycles and material tests like GSB AL 631, HAST Test, Pressure Cooker Test und IPC-TM 650, as well as for culture media preparation, sterilization of waste, unpackaged solids without hollow bodies, liquids, bottles, instruments, synthetic materials, and rubber.

Key features

- fully automated
- automatic venting by fractional flow procedure
- electric exhaust valve
- flexible media sensor
- time and temperature individually editable
- control unit with LCD display
- Ethernet, LAN, Wi-Fi
- 7“ touch screen with video assistant
- cloud connection
- heating integrated in the base
- electronic safety interlock

PT100 temperature sensor –
For autoclaving liquids

Scope of delivery:
Product set of CertoClav Connect & CertoTouch screen, including instrument tray, flexible media sensor, power cable and CertoCloud basic license

Specifications

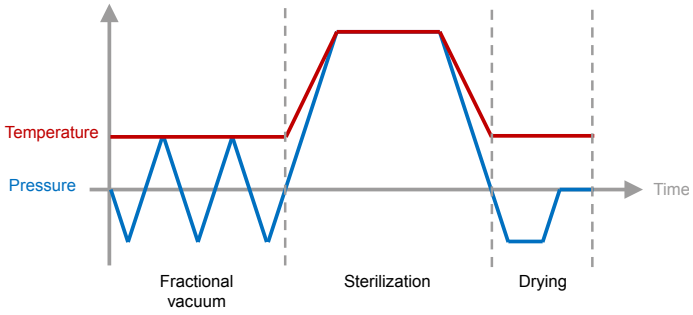
	CertoClav Connect
Article number	8510176
Chamber volume	18 liters
Chamber diameter	26 cm
Chamber depth	35 cm
Chamber material	stainless steel 316L
Max. operating pressure	2.7 bar
Mains connection	230 V, 50/60 Hz
Heating capacity	1300 W
Max. sterilization temperature	20 °C to 140 °C, adjustable
Net weight	16 kg
Product dimensions (W*D*H)	44*38*54 cm

Accessories

Article	Article number
Wire basket with handle	1300149
Service Set 2	1310186
CertoServer	8500508
CertoCloud premium license	8500212
Water distiller	8500482
Operation qualification	1250001

Horizontal laboratory autoclaves

Benefits at a glance



Our horizontal autoclaves are front-loading, bench-top autoclaves available in three sizes with chamber capacities ranging from 12 to 45 liters. Compact on the outside but with ideal chamber capacities inside. Each size has an optimal loading capacity for most DURAN® (Schott) laboratory bottles.

Our horizontal laboratory autoclaves are class B steam sterilizers. The air is removed from the sterilization chamber repeatedly with a fractionated pre-vacuum. This repeated removal of air from the sterilization chamber, prior to the actual sterilization, allows the steam to have a sterilizing effect through packaging, even in hollow bodies.

The sterilization chamber is made of corrosion-resistant, electropolished stainless steel. A steam generator, separate from the sterilization chamber, is incorporated in the housing. This has numerous advantages:

- no heating elements or reservoir for waste water inside the chamber
- in conjunction with the stand-by pre-heating function, only 10 minutes heating time is required to reach 121 °C with an empty chamber
- improved air removal by suppressing the air to the bottom
- quicker cooling, as there is neither hot water in the chamber, nor does the separate steam generator need to be cooled
- after cooling, steam is immediately available for the next sterilization cycle

Only a power supply is required for these stand-alone devices. They have integrated water tanks for fresh and wastewater, with a tank volume of 2 to 5 liters, depending on the model. The tanks are easy to clean and disinfect.

CertoClav Vacuum Pro 12 & 22

The All-In-One Autoclaves

Thanks to the preheatable chamber, cooling-ventilation, and vacuum pump, the laboratory autoclaves of the CertoClav Vacuum Pro series makes short cycle times of approx. 20 minutes possible, including drying time. Due to the intelligent combination of vacuum, pressure and steam, the CertoClav Vacuum Pro 12 and CertoClav Vacuum Pro 22 are suitable for solids of all materials as well as hollow bodies. The additional media sensor guarantees a complete sterilization of liquids such as culture media.

The 7-inch, robust, high-resolution touchscreen, the CertoTouch, offers an intuitive operation. All operationg steps are explained with training videos directly on the CertoTouch. The autoclaves can be connected to the free CertoCloud. This offers fully automatic logging, remote maintenance and notification function for PC, tablet or smartphone. This allows maintenance personnel to be notified by Email or SMS.

With its predefined standard programs, repeat function, automatic documentation and short sterilization cycles, the laboratory autoclaves CertoClav Vacuum Pro 12 und CertoClav Vacuum Pro 22 make everyday laboratory work much easier.

Ideal for material tests, quality control and class B program cycles, as well as for culture media preparation, sterilization of waste, sterilization of waste in disposal bags, unpackaged solids without hollow bodies, liquids, bottles, instruments, synthetic materials, rubber, textiles, packaged instruments, porous materials, and hollow bodies type A and type B (pipettes, empty glassware, vials and tubes) according to EN 13060.

Key features

- 11 preinstalled programs, freely editable
- up to 50 user-definable programs in 3 different types (solid, liquid, vacuum test) can be freely created
- vacuum pump *Made in Germany*
- flexible media sensor PT1000
- water quality sensor
- 7“ touchscreen with video assistant
- automatic documentation
- RS232, RS485, USB, SD card
- ethernet, LAN, WiFi
- cloud connection
- GMP/GLP compliant

Scope of delivery:
Product set CertoClav VacuumPro & CertoTouch screen, including instrument tray, power cable and CertoCloud basic license

The right accessories for the sterilization of liquids:
A drip tray is necessary for autoclaving liquids.
Article no. (12L: 1300765, 22L: 1300767)

Specifications

	CertoClav VacPro 12	CertoClav VacPro 22
Article number	8500487	8500489
Chamber volume	12 liters	22 liters
Fresh water tank volume	2.3 liters	4.5 liters
Waste water tank volume	2.1 liters	4 liters
Chamber diameter	20 cm	25 cm
Chamber depth	36 cm	45 cm
Chamber material	stainless steel 304L	stainless steel 304L
Max. operating pressure	230 kPa	230 kPa
Mains connection	220 V, 50/60 Hz	220 V, 50/60 Hz
Heating capacity	2400 W	2400 W
Max. sterilization temperature	105 °C to 134 °C	105 °C to 134 °C
Net weight	51 kg	55 kg
Product dimensions (W*D*H)	50*61*43 cm	50*65*43 cm

Accessories

Article	Article number
CertoServer	8500508
CertoCloud premium license	8500212
Water distiller	8500482
Tray Set with 3 trays	see p. 18
Wire basket	see p. 18
Drip tray	see p. 18
Service Set 3	8500495
Bacteria filter	1300705
Log printer	1300187
Label printer	8500502
Direct thermal labels	8500507
Barcode scanner	8500503
Template for IQ/OQ documentation	8500513
IQ/OQ qualification as a service	8500515

STE-45-T & CertoAssist - SET

The extra large All-In-One autoclave

Due to its predefined standard programs, automatic documentation and short sterilization cycles, the autoclave model STE-45-T makes everyday laboratory work much easier. The preheatable chamber, the air-cooling system and the vacuum pump, make a fast sterilization cycle including drying possible.

The intelligent combination of vacuum, pressure and steam makes the STE-45-T suitable for solids of all materials and the additional media sensor (PT1000) guarantees the complete sterilization of liquids, such as culture media.

In addition, the STE-45-T is equipped with the CertoAssist, an extra-large, robust and high-resolution touchscreen. All operating steps are explained directly on the screen with videos. As soon as the autoclave is connected to the Internet via WLAN, it can be connected to the CertoCloud.

Ideal for the sterilization of culture media in bottles and for class B program cycles, as well as for sterilization of waste, sterilization of waste in disposal bags, unpackaged solids without hollow bodies, liquids, bottles, instruments and synthetic materials.

Key features

- 11 preinstalled programs, freely editable
- up to 50 user-definable programs in 3 different types (solid, liquid, vacuum test) can be freely created
- vacuum pump *Made in Germany*
- flexible media sensor PT1000
- water quality sensor
- 7“ touchscreen with video assistant
- automatic documentation
- RS232, RS485, USB, SD card
- ethernet, LAN, WiFi
- cloud connection
- GMP/GLP compliant

Scope of delivery:
Product set of autoclave model STE-45-T & CertoAssist touchscreen, including instrument tray, power cable and CertoCloud basic license

Manufacturer‘s note:
A drip tray is required for autoclaving liquids!

Specifications

	Autoklav Modell STE-45-T
Article number	8500610
Chamber volume	45 liters
Fresh water tank volume	5 liters
Waste water tank volume	3 liters
Chamber diameter	31.9 cm
Chamber depth	61.7 cm
Chamber material	stainless steel 304L
Max. operating pressure	230 kPa
Mains connection	220 V, 50/60 Hz
Heating capacity	2400 W
Max. sterilization temperature	105 °C to 134 °C
Net weight	120 kg
Product dimensions (W*D*H)	64*84*56 cm

Accessories

Article	Article number
CertoServer	8500508
CertoCloud premium license	8500212
Water distiller	8500482
Tray Set with 3 trays	8500404
Wire basket	8500406
Drip tray	1300768
Service Set 5	8500407
Bacteria filter	1300858
Log printer	1300187
Label printer	8500502
Direct thermal labels	8500507
Barcode scanner	8500503
IQ/OQ qualification as a service	8500515

High quality services

CertoClav is not only known for its autoclaves but also for the quality of the support and supplementary services. Our services range from giving advice on sterilization processes and finding the most suitable autoclave to after-sales support. We also can carry out a complete qualification and validation for CertoClav devices on request.

Inspection & Maintenance package 1	For all vertical CertoClav models	Article number 1250000

CertoClav benchtop autoclaves stand for long and productive use. To ensure constant availability over the entire service life of the appliance, we recommend regular maintenance intervals. Our inspection and maintenance package makes this particularly easy and economical. During maintenance work, all mechanical, electrical and electronic components are subjected to a visual and functional check and replaced if necessary. Inspection and maintenance package 1 includes an initial inspection, a non-binding cost estimate, an electrical safety test, a pressure test (for aluminum appliances), a function test with temperature check, an inspection of the safety devices and a certificate.

Inspection & Maintenance package 2	For all vertical CertoClav models	Article number 1250001

The inspection and maintenance package 2 includes an initial assessment, a non-binding cost estimate, cleaning of the water tanks, an electrical safety test, a vacuum test, function tests with temperature control (liquid & porous), replacement of wearing parts and a certificate.

Ex factory validation of the sterilization cycle	For all vertical CertoClav models	Article number 1250001

Temperature control with a certified EBRO data logger including a detailed temperature protocol.

Repair service	Article number 1300000

In the event of a problem, you can completely rely on our repair service. Our employees are always ready to help. Only original CertoClav spare parts are used for repairs. Repairs are carried out exclusively by our qualified technicians.

IQ/OQ qualification	CertoClav VacPro 12 & 22, STE-45-T	Article number 8500515

Ex factory validation including documentation.

Wide range of accessories

For optimal workflow

Wire basket with handle

The wire basket for convenient handling of autoclaving goods like solids, waste in bags, instruments, bottles, liquids or the like.

Accessory for	Material	Diameter	Height	Article number
Aluminum models	stainless steel	ø 23 cm	17 cm	8583010
Stainless steel models	stainless steel	ø 25 cm	22.5 cm	1300149

Instrument tray

The stable instrument tray with three feet and minimum water level indicator can also be used as a base plate for a wire basket or bottles. When purchasing a vertical autoclave, an instrument tray is already included in the scope of delivery.

Accessory for	Material	Diameter	Height	Article number
Aluminum models	aluminum	ø 22.5 cm	4 cm	1252203
Stainless steel models	stainless steel	ø 25 cm	4 cm	1300155

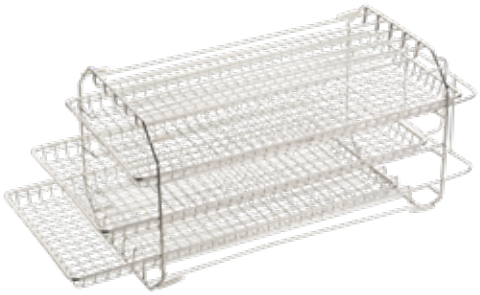
1252203

1300155

Tray Set with 3 trays

The tray set with 3 trays made of stainless steel is suitable for nutrient media, instruments, material testing, etc. When purchasing a horizontal autoclave, a tray set is already included in the scope of delivery.

Accessory for	Material		Width	Depth	Height	Article number
VacPro 12	stainless steel	Rack	16.8 cm	33.5 cm	16.6 cm	8500479
		Trays	13.8 cm	29.5 cm	1.5 cm	
		usable height	3 cm*	3 cm**	3 cm**	
VacPro 22	stainless steel	Rack	20 cm	40 cm	20 cm	8500481
		Trays	17 cm	35 cm	1.6 cm	
		usable height	3 cm*	4 cm**	4 cm**	
STE-45-T	stainless steel	Rack	25.9 cm	46 cm	26 cm	8500404
		Trays	22.6 cm	51 cm	1.7 cm	
		usable height	6.3 cm*	5.5 cm**	5.5 cm**	



*upper tray
**centre and bottom tray

Wire basket

The wire basket for convenient handling of autoclaving goods like solids, waste in bags, instruments, bottles, liquids or the like.

Accessory for	Material	Width	Depth	Height	Article number
VacPro 12	stainless steel	14.6 cm	30 cm	12.5 cm	8500401
VacPro 22	stainless steell	17.1 cm	38 cm	15.6 cm	8500403
STE-45-T	stainless steel	22.5 cm	51.1 cm	20.6 cm	8500406

Drip Tray

The drip tray is used to prevent chamber contamination by boiling over of liquids such as agar-agar, and as a base plate for bottles.

Accessory for	Material	Width	Depth	Height	Article number
VacPro 12	stainless steel	14.2 cm	29.8 cm	1.6 cm	1300765
VacPro 22	stainless steel	16.7 cm	37.8 cm	1.6 cm	1300767
STE-45-T	stainless steel	22.2 cm	51.1 cm	1.6 cm	1300768

SET wire basket & drip tray

The SET includes a wire basket and a drip tray.

Accessory for	Material	Width	Depth	Height	Article number
VacPro 12	stainless steel	14.6 cm	12.5 cm	30 cm	8500408
VacPro 22	stainless steel	17.1 cm	15.6 cm	38 cm	8500410
STE-45-T	stainless steel	22.5 cm	20.6 cm	51.1 cm	8500411

Exhaust filtration

Condensation vessel incl. filter & hose

Accessory for		Article number
MultiControl MultiControl 2	The pre-assembled exhaust filter consists of a condensation vessel, a heat-resistant exhaust hose and a High Flow Tetpor II Vent filter with a filtration capacity of 0.01 micron.	8582010

Condensation vessel incl. hose

Accessory for		Article number
Vertical models, except Connect	The plastic condensation vessel is used to collect the condensation water. The vessel has a capacity of 5 liters and is supplied with a lid, a hose attachment, a heat-resistant exhaust hose made of silicone (length of 1 m) and two screw clamps.	8582020

Exhaust hose

Accessory for		Article number
Vertical models, except Connect	The exhaust hose is made of silicone and is supplied with 2 screw clamps. The hose is temperature resistant up to + 180 °C and has a length of 1 m.	8582016

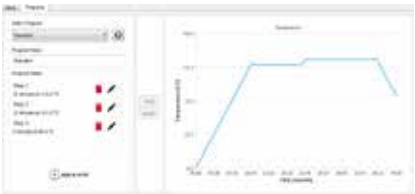
Filter cartridge

Accessory for		Article number
Exhaust filter	Replacement filter cartridge for the exhaust filter. The High Flow Tetpor II Vent filter with a water-repellent PTFE membrane ensures particle separation down to 0.01 micron in steam.	8582011

Process support

PC software professional version

Accessory for		Article number
MultiControl MultiControl 2	With the professional version of the MultiControl PC Software it is possible to programm multi-step cycles (time and temperature), which can also be imported into the MC2 control unit. The PC software is available as down-load. The license use is unlimited.	8500210



Documentation & Quality Management

Log printer

Accessory for		Article number
MultiControl MultiControl 2 VacPro 12-22 STE-45-T	The external log printer is used to document and archive the sterilization cycles during sterilization. The protocol is printed on thermal paper. Includes power supply unit and data cable. Dimensions: 12x11x20cm (WxHxD) Weight: 1 kg	1300187

Thermal paper

Accessory for		Article number
Log printer	The thermal paper is manufactured without the use of bisphenol A (BPA-free) and has a shelf life of up to 7 years when stored correctly. The 10 rolls enable a smooth, uninterrupted daily laboratory routine. Roll diameter: 58 mm Roll length: 40 m	8500496

Label printer

Accessory for		Article number
VacPro 12 VacPro 22 STE-45-T	The external label printer is used for labeling and tracing the sterilization items. The printer prints the expiration date and protocol information on a self-adhesive label. Includes power supply and data cable. Dimensions: 12x19x21cm (WxHxD) Weight: 1.75 kg	8500502

Direct thermal labels

Accessory for		Article number
Laber printer	The replacement thermal label roll is equipped with 1000 white direct thermal labels. Our direct thermal labels are made of paper with a Top Coat coating for very good readability of the barcode and are removable. Roll diameter: 80 mm Roll length: 1 roll of 1000 pcs	8500507

Barcode scanner

Accessory for		Article number
VacPro 12 VacPro 22 STE-45-T	The wired barcode scanner allows quick access to all sterilization protocols of the sterilization item by scanning the barcode. With the scanner you can easily and quickly scan all common 2D and 1D barcodes. Dimensions: 17x7x10cm (WxHxD) Weight: 0.2 kg	8500503

Template for IQ/OQ documentation

Accessory for		Article number
VacPro 12 VacPro 22 STE-45-T	In addition to a factory IQ/OQ qualification, we also offer this template on a USB flash drive for documentation.	8500513

Water supply

High-quality, clean and demineralized water is particularly important during autoclaving. Poor water quality leads to deposits in the autoclave chamber. To help you prevent that we offer a water treatment system for our autoclaves. The distillation unit is, like our autoclaves, a location-independent device. All it need is a power supply. The installation effort is minimal. To remove bacteria and viruses, the device distills 1.5 liters of water fully automatically within one hour by steam distillation. Before the water drips into the collection can, an activated carbon filter absorbs volatile organic compounds.

Water distiller		
Accessory for		**Article number**
All models	Power supply: 230 VAC, 50 Hz Power: 750 W Chamber volume: 3 liters Dimensions: 29x39x29cm (WxHxD) Weight: 3.5 kg	8500482

High-quality, clean and demineralized water is particularly important for autoclaving. Poor water quality leads to deposits in the autoclave chamber. We therefore offer a water treatment system for all our autoclaves. Like our autoclaves, the distillation unit is a location-independent device. It only requires a power supply. The installation effort is minimal. The device distils 1.5 liters of water fully automatically within one hour using steam distillation, killing bacteria and viruses in the process. Before the water drips into the collecting can, an activated carbon filter absorbs volatile organic compounds.

AQUAdem – water purification system		
Accessories for		**Article number**
all models	Power supply: 220 VAC, 50 Hz Power: 45 W Capacity: 12 - 15 liters per hour Principle: Ion exchanger Type of installation: Horizontal / wall mounting Dimensions: 44x40x14cm (BxHxT) Weight: 8 kg	8500499

Digital Quality Management

CertoCloud premium license		
Accessory for		**Article number**
Connect VacPro 12-22 STE-45-T	The CertoCloud is a browser-based management software for our autoclaves. Unlocks the premium functions of the autoclave: • Unlimited users • Unlimited real-time monitoring • Configuration possibilities of the autoclave • SMS Notifications • Online memory for 100,000 protocols directly at the autoclave • Remote Support • Seamless traceability of batches via CertoTrace	8500212

Wear parts

Service Set 1		
Wear part for		**Article number**
Aluminum models	The Service Set 1 for our vertical aluminum laboratory autoclaves includes one gasket each for the lid, the steam release spigot, the manometer and the pressure control valve and a steam release valve. The gaskets should be replaced every 2 years.	1250499

Service Set 2		
Wear part for		**Article number**
Stainless steel models	The Service Set 2 for our vertical stainless steel laboratory autoclaves includes one gasket each for the lid, the steam release spigot, the manometer and the pressure control valve and two steam release valves. The gaskets should be replaced every 2 years.	1310186

Service Set 3		
Wear part for		**Article number**
VacPro 12-22	The Service Set 3 contains a door gasket, a safety valve and a bacteria filter. The gasket and the safety valve should be replaced annually. The bacteria filter should be changed every 300 cycles and is also available separately. The Service Set 3 should only be installed by trained technicians.	8500495

Service Set 5		
Wear part for		**Article number**
STE-45-T	The Service Set 5 contains a door gasket and a bacteria filter. The door gasket should be replaced annually. The bacteria filter should be changed every 300 cycles and is also available separately. The Service Set 5 should only be installed by trained technicians.	8500407

Bacteria filter		
Wear part for		**Article number**
VacPro 12-22	The bacteria filter should be changed every 300 cycles.	1300705
STE-45-T		1300858

Spare parts

If you have questions about our autoclaves, need spare parts or help with the installation, please contact us!

Training & Education

We offer comprehensive technical training courses and training for our autoclaves. The courses are intended for technicians of authorized dealers. The training courses are mainly held online, but we also offer trainings at our company headquarters near Linz if requested. Upon successful completion, the course participants receive a certificate from us. If you are interested, please contact us for further information.

For further questions, we are here to help you any time!

For further information, please visit www.certoclav.com or contact our office directly.

Contact details

Address
CertoClav Sterilizer GmbH
Peintner Straße 10
A-4060 Leonding

Phone
+43 732 674 278

E-mail for inquiries & service
support@certoclav.com

VAT-No.
ATU22821702

CEO
Michael Dirix

Commercial register
Landesgericht Linz
FN122912d

Notes

The warranty conditions are described in the respective certificates.
Deliveries are made according to our terms and conditions, which can be seen at: http://www.certoclav.com
Images may differ insignificantly from the product. Illustrations are not true to scale.

Imprint

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All technical data apply exclusively to unloaded devices in standard version at an ambient temperature of 22 ±3 °C and a mains voltage fluctuation of ±10 %. We reserve the right to make technical changes.

CERTOCLAV

Address
CertoClav Sterilizer GmbH
Peintner Straße 10
A-4060 Leonding

Phone
+43 732 674 278

Email
support@certoclav.com

www.certoclav.com

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