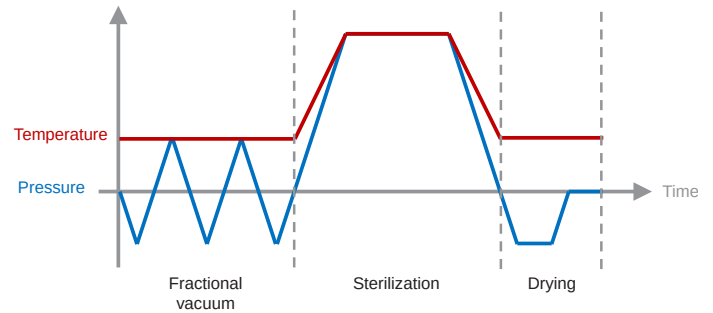


Horizontal laboratory autoclaves

Benefits at a glance



Our horizontal autoclaves are front-loading, bench-top autoclaves available in 3 sizes with chamber capacities ranging from 12 to 45 l. 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. Due to this the steam can sterilize through packages and in hollow parts.



The sterilization chamber is made of corrosion-resistant stainless steel (304L), electropolished and easy to clean. A separate steam generator is incorporated in the housing. This has numerous advantages:

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



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 - 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 preheatable chamber, cooling-ventilation and vacuum pump the laboratory autoclaves of the CertoClav Vacuum Professional series guarantee short cycle times from 20 minutes 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 and high-resolution touchscreen, the CertoTouch offers an intuitive operation, including a free of charge license of our CertoCloud software for fully automatic logging, remote maintenance and with alert system via PC, tablet or smartphone. The autoclave can notify the user by e-mail 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 2 make everyday laboratory work much easier.

Ideal for material tests like GSB AL 631, HAST Test, Pressure Vessel Test und ICP - TM 650, quality control and for class B program cycles. As well for food preservation, 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

- 12 preinstalled programs, 1 of which is user-definable
- 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



Specifications

	CertoClav VacPro 12	CertoClav VacPro 22
Article number	8500487	8500489
Chamber volume	12 l	22 l
Fresh water tank volume	2.3 l	4.5 l
Waste water tank volume	2.1 l	4 l
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

factory calibration possible.

Accessories recommendation

Article	Article number
CertoServer	8500508
CertoCloud premium license	8500212
Water distiller	8500482
Tray Set with 3 trays	8500481
Wire basket	8500403
Drip tray	1300767
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	8500515



icanCLAVE STE-45-T & CertoAssist - SET

The extra large All-In-One autoclave

Due to its predefined standard programs, repeat function, automatic documentation and short sterilization cycles, the icanCLAVE autoclave model STE-45-T makes everyday laboratory work much easier. The preheatable chamber, the air-cooling system and the vacuum pump, guarantee a fast sterilization cycle including drying of about 20 minutes.

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

In addition, the icanCLAVE 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. Individual sterilization programs can also be created directly on screen. As soon as the autoclave is connected to the Internet via WLAN, it is also automatically connected to the CertoCloud.

Ideal for sterilization of culture media in bottles and for class B program cycles. As well for food preservation, 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

- 8 preinstalled programs
- vacuum pump Made in Germany
- flexible media sensor PT1000
- water quality sensor
- CertoAssist touchscreen
- automatic documentation
- RS232, RS485, USB, SD card
- ethernet, LAN, WiFi
- cloud connection
- GMP/GLP compliant

Scope of delivery:

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



Specifications

icanCLAVE Autoklav Modell STE-45-T	
Article number	8500610
Chamber volume	45 l
Fresh water tank volume	5 l
Waste water tank volume	3 l
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

factory calibration possible.