CertoClav Vacuum Pro Series

LABORATORY AUTOCLAVE



CERTOCLAV
Since 50 years.

CertoClav Vacuum Pro Series

SUITABLE FOR ANY APPLICATION



- ☑ **Microbiology, Bio-Chemistry**
  Sterilize culture media precisely with the integrated media sensor
- ☑ **Food industry**
  Food preservation
- ☑ **Material testing**
  Perform hundreds of cycles in succession, fully automatically without user interaction
- ☑ **Pharmacy**
  Sterilize hollow instruments, porous materials, packaging, plastics, rubber and textiles
- ☑ **Universities**
  Robust, ideally for any application and training operation

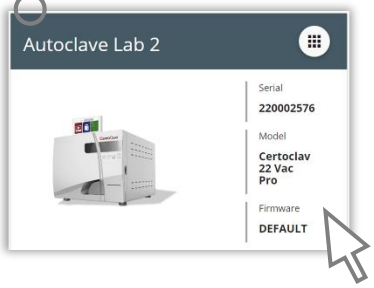
CERTOCLAV
Since 50 years.

CertoClav Vacuum Pro Series

STAND-ALONE OR SYSTEM INTEGRATED

CERTOCLOUD DOCUMENTATION SOFTWARE
FREE BASIC VERSION

REAL-TIME-DATA ONLINE



CERTO CLOUD

FOR PC, TABLET AND SMARTPHONE





- Connect the autoclave via LAN
- Connect the autoclave via W-LAN
- Receive Email notifications
- Print protocols with the protocol printer
- Label sterilized items with tracing information
- Export protocols to USB flash drive
- Export protocols to SD CARD.
- Track the complete sterilization process via scanner.
- Stand alone or fixed water connection

CertoClav Vacuum Pro Series

STAND ALONE – OR – FIXED WATER CONNECTION

AUTOCLAVE ORDER CONFIGURATIONS

Order number	Chamber size: 8 liters	Chamber size: 12 liters	Chamber size: 18 liters	Chamber size: 22 liters	Internal water tanks (Stand alone)	Fixed water connection. Including R/O-System for automatic refill
8500486	✓				✓	
8500486W	✓					✓
8500487		✓			✓	
8500487W		✓				✓
8500488			✓		✓	
8500488W			✓			✓
8500489				✓	✓	
8500489W				✓		✓

ACCESSORIES



Reverse osmosis system
Automatic water supply for the autoclave. Requires tap water connection.
Power: 110-220V, 50-60Hz.
Order number: 8500499



Filters for reverse osmosis system
Order numbers:
8500510 (Sediment filter, replace every 6 months)
8500511 (Precarbon filter, replace every 6 months)
8500512 (Membrane filter, replace every 30 months)



Tray set
Order numbers:
8l: 8500478
12l: 8500479
18l: 8500480
22l: 8500481



Tray for bottles
Order numbers:
8l: 8500478A
12l: 8500479A
18l: 8500480A
22l: 8500481A



Label printer
Print expiration date and protocol information on self-adhesive label and mark your goods.
Order number: 8500502



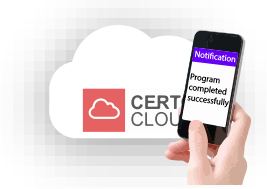
Barcode scanner
Track the complete sterilization history of an item.
Order number: 8500503



Service set
Includes door sealing, air filter, safety valve, quick-connect drain hose
Order number:
8500495



External printer
Print protocols with a printer
Order number: 1300187



CertoCloud premium license
- Enable SMS notifications
- Storage for 100.000 protocols
- Premium Remote support
- Real-time-data online

Order number: 8500212

CertoClav Vacuum Pro Series

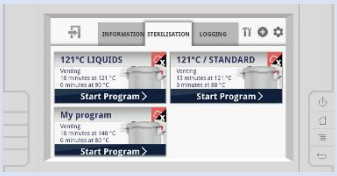
INTUITIVE USER INTERFACE

TOUCH SCREEN

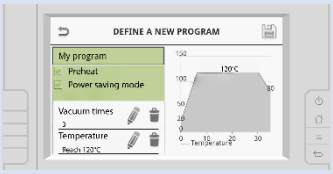
Log into your account



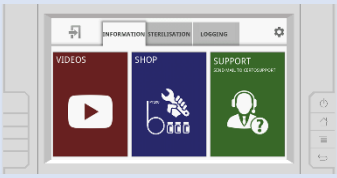
Choose programs



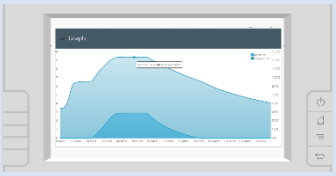
Manage your programs



Contact support



Watch protocols



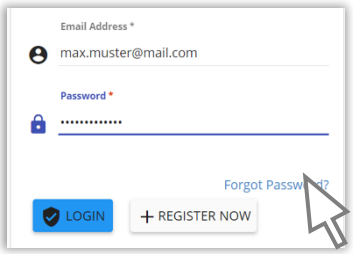
Follow the integrated step by step video assistant



CERTO CLOUD

FREE AUTOCLAVE MANAGEMENT SOFTWARE

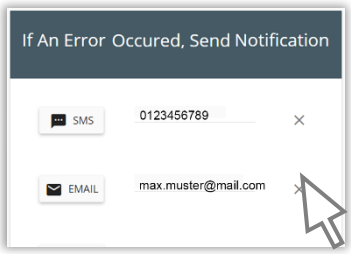
Create an user account to manage your CertoClav products.



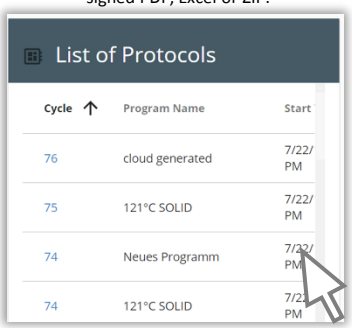
Access real-time data from your autoclave from all over the world.



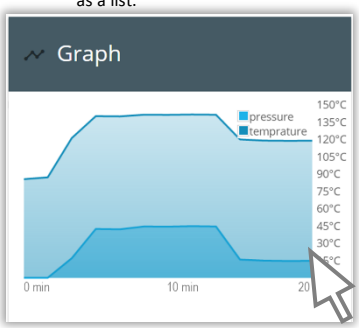
Configure SMS and email notifications.



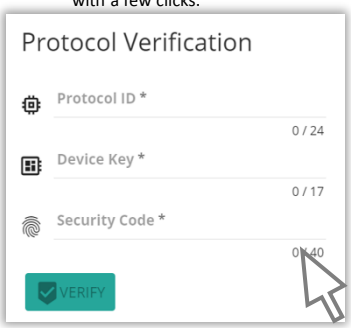
Scroll through protocol history. Export protocols to signed PDF, Excel or ZIP.



Show all protocols from the autoclave graphical or as a list.



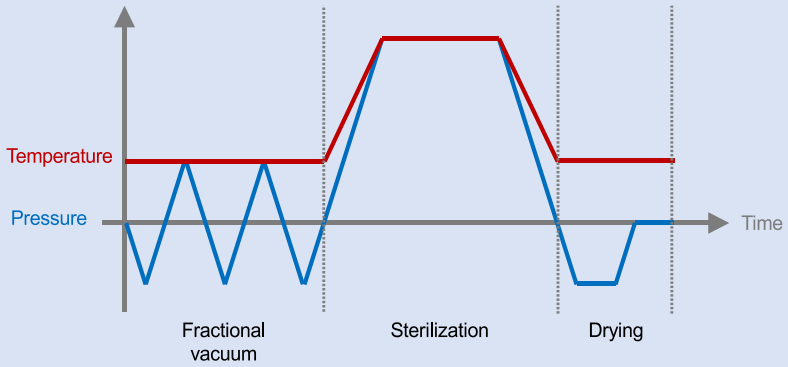
Confirm the authenticity and validity of printed out protocols with a few clicks.



CertoClav Vacuum Pro Series

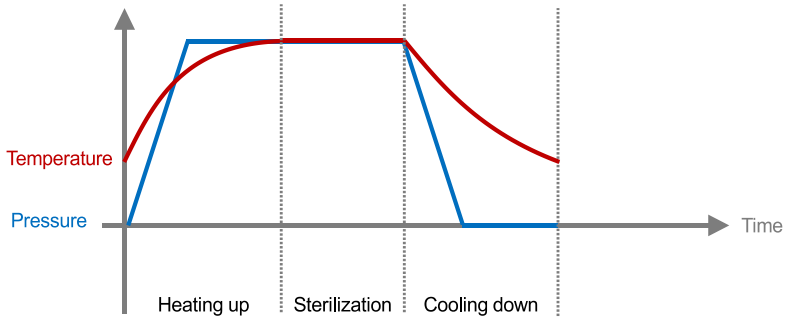
STERILIZE SOLID MATERIALS AND LIQUIDS

STERILIZATION OF SOLID MATERIALS



- All sterilization programs for solids follow a typical Class-B cycle.
- Precise combination of vacuum, pressure and temperature for optimal sterilization of solids.
- The fractionated vacuum presses the saturated water vapor through the sterilization package and into each microscopic gap.

STERILIZATION OF LIQUIDS WITH MEDIA SENSOR



- All sterilization programs for liquids follow a heating phase with venting followed by a sterilization phase and a final cooling phase..
- Sterilize liquids at 121°C for 20 minutes.
- The integrated media sensor measures the real temperature of liquids and ensures an optimum sterilization result.

STERILIZEABLE MATERIALS


Instruments

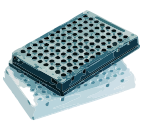

Unpacked materials, single and double packed instruments


Liquids in bottles


Liquids with media temperature sensor


Foodstuffs


Textiles


Plastics, rubber materials


Porous materials, sand


Hollow materials


Filters, waste

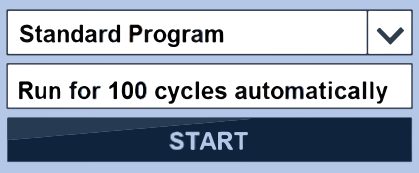
CertoClav Vacuum Pro Series

CUSTOM PROGRAM AND AUTOMATED MATERIAL TESTS

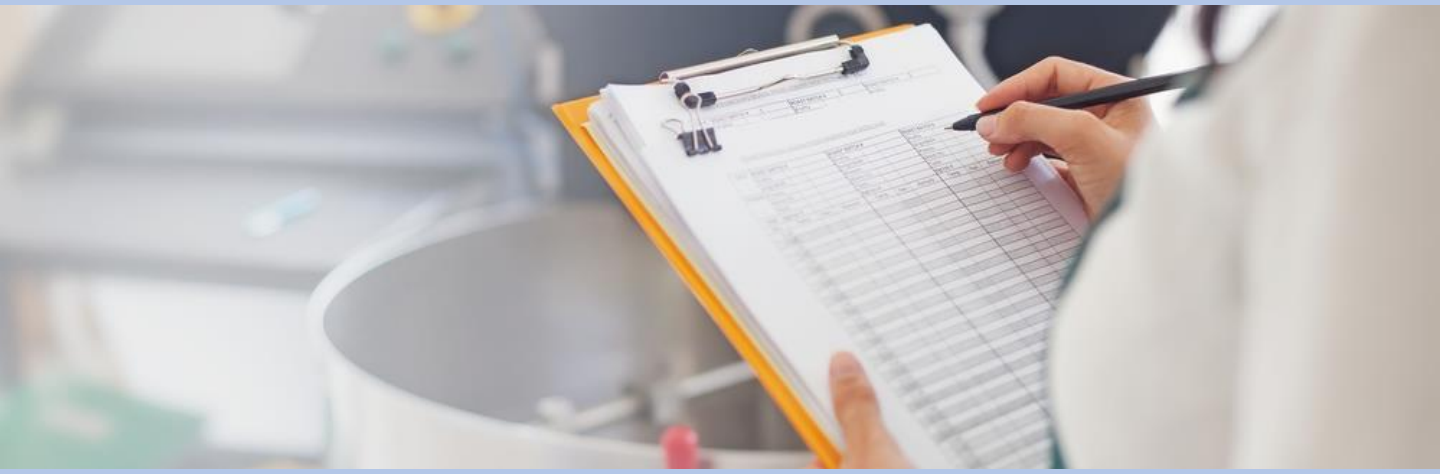
PROGRAMS

	Vacuum times	Temperature [°C]	Holding time [min]	Drying time [min]	Total time [min]
Solid	1	121	20	3	32
Solid quick	1	134	4	3	20
Porous	3	121	20	7	50
Porous quick	3	134	4	7	27
Hollow	3	121	20	10	47
Hollow quick	3	134	4	10	34
Liquid	0	121	20	0	45 to 120
Prion	3	134	20	10	50
B-D test	3	134	4	7	31
Vacuum test	1	-	15	-	15
Clean process	-	-	-	-	29
User-Defined	1 to 10	105 to 134	1 to 60	1 to 40	

MATERIAL TESTS



- ☑ Set repeat function for material tests
- ☑ Each sterilization program can be executed as often as desired
- ☑ Watch real-time-data on www.certocloud.com
- ☑ Receive a notification, after the material test has been finished



CertoClav Vacuum Pro Series

STERILIZE SOLID MATERIALS AND LIQUIDS

LOADING CAPACITY

Volume of chamber	8 liter	12 liter	18 liter	22 liter
Diameter of chamber Depth of chamber	17 cm 32 cm	20 cm 36 cm	25 cm 35 cm	25 cm 45 cm
50 ml bottles	X 16	X 24	X 36	X 46
100 ml bottles	X 8	X 12	X 18	X 23
250 ml bottles	X 6	X 8	X 12	X 15
500 ml bottles	X 3	X 4	X 6	X 8
Number of trays (included)	X 3	X 3	X 3	X 3
Width of a tray Length of a tray	12 cm 30 cm	14 cm 34 cm	17 cm 33 cm	17 cm 43 cm
Number of bottle trays (optional)	X 1	X 1	X 1	X 1
Width of bottle tray Length of bottle tray	8 cm 30 cm	10 cm 34 cm	12 cm 33 cm	12 cm 43 cm



CertoClav Vacuum Pro Series

THE ALL-IN-ONE AUTOCLAVE

TECHNICAL DATA

				
Chamber volume	8 liter	12 liter	18 liter	22 liter
Product category	Laboratory horizontal table-top autoclave	Laboratory horizontal table-top autoclave	Laboratory horizontal table-top autoclave	Laboratory horizontal table-top autoclave
Order number for autoclave with integrated water tanks (stand-alone)	8500486	8500487	8500488	8500489
Order number for autoclave with fixed water connection. Including RO-System for automatic refill	8500486W	8500487W	8500488W	8500489W
Vacuuming	✓	✓	✓	✓
Drying	✓	✓	✓	✓
Liquid media sensor	✓	✓	✓	✓
User-defined program	✓	✓	✓	✓
Printer port	✓	✓	✓	✓
Ethernet	✓	✓	✓	✓
WiFi	✓	✓	✓	✓
CertoCloud Software	✓	✓	✓	✓
Product size	56 x 44 x 36 cm	61 x 50 x 43 cm	61 x 50 x 43 cm	61 x 50 x 43 cm
Diameter of chamber	17 cm	20 cm	25 cm	25 cm
Depth of chamber	32 cm	36 cm	35 cm	45 cm
Net weight	35 kg	51 kg	53 kg	55 kg
Gross weight	42 kg	59 kg	61 kg	63 kg
Carton size	65 x 45 x 42 cm	73 x 57 x 51 cm	73 x 57 x 51 cm	73 x 57 x 51 cm
Scope of delivery	1 autoclave, 5 trays, 1 tray holder, 1 tray handle, 1 power cable, 2 quick-connect drain hoses, 1 CertoCloud license	1 autoclave, 5 trays, 1 tray holder, 1 tray handle, 1 power cable, 2 quick-connect drain hoses, 1 CertoCloud license	1 autoclave, 5 trays, 1 tray holder, 1 tray handle, 1 power cable, 2 quick-connect drain hoses, 1 CertoCloud license	1 autoclave, 5 trays, 1 tray holder, 1 tray handle, 1 power cable, 2 quick-connect drain hoses, 1 CertoCloud license
Sterilizable materials	Solids, hollow materials, porous materials, liquids, prions, textiles, plastics	Solids, hollow materials, porous materials, liquids, prions, textiles, plastics	Solids, hollow materials, porous materials, liquids, prions, textiles, plastics	Solids, hollow materials, porous materials, liquids, prions, textiles, plastics
Locking mechanism	Electric door lock	Electric door lock	Electric door lock	Electric door lock
Cooling system	Air cooling	Air cooling	Air cooling	Air cooling
Screen	7" Touch screen	7" Touch screen	7" Touch screen	7" Touch screen
Chamber material	Stainless steel 304	Stainless steel 304	Stainless steel 304	Stainless steel 304
Protocol export	USB, SD-card, cloud	USB, SD-card, Cloud	USB, SD-card, cloud	USB, SD-card, cloud
Languages	English, German	English, German	English, German	English, German
Sterilization temperature	121°C to 134°C	121°C to 134°C	121°C to 134°C	121°C to 134°C
Maximum working pressure	230 kPa	230 kPa	230 kPa	230 kPa
Power supply	220V, 50/60Hz, 2400W	220V, 50/60Hz, 2400W	220V, 50/60Hz, 2400W	220V, 50/60Hz, 2400W
Certification	CE	CE	CE	CE
Warranty	2 years	2 years	2 years	2 years

Certoclav Sterilizer GmbH
Georg Grinninger-Str. 37
A-4050 Traun

Phone: +437229689
Email: support@certoclav.com
Website: www.certoclav.com

Orders, dealer verification
Custom manufacture
Operating instructions and operation videos
Technical support