CertoClav Vacuum Pro Series

STERILIZATION OF LIQUIDS, SOLIDS AND WASTE

>> FOR ALL STERILIZATION APPLICATIONS<<

- ☑ 8 – 45 liters
- ☑ Flexible temperature sensor
- ☑ Sterilization of solids, liquids and waste
- ☑ automatic documentation
- ☑ Stand alone or fixed water connection
- ☑ Autofill

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.

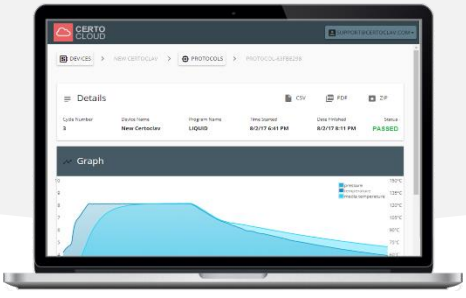
CertoClav Vacuum Pro Series

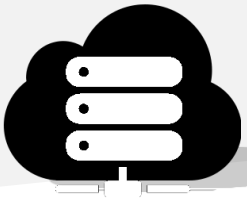
WITH DOCUMENTATION AND TRACING SYSTEM

AUTOMATIC DOCUMENTATION WITH ONLINE OR OFFLINE SERVER

CERTO PRIVATE CLOUD

CERTO CLOUD





- 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

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STAND ALONE – OR – FIXED WATER CONNECTION

AUTOCLAVE ORDER CONFIGURATION

Order number	Chamber size: 12 liters	Chamber size: 18 liters	Chamber size: 22 liters	Chamber size: 45 liters	Internal water tanks (Stand alone)	Fixed water connection
8500487	✓				✓	
8500487W	✓					✓
8500488		✓			✓	
8500488W		✓				✓
8500489			✓		✓	
8500489W			✓			✓
8500						

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)

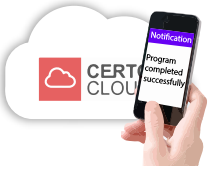
Label printer
Print expiration date and protocol information on self-adhesive label and mark your goods.
Order number: 8500502

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

CertoServer
The CertoServer communicates with the autoclave via network. Automatic data backups and browser-based data access.
Order number: Available from June 2018



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

Order number: 8500212

Our recommendation

Plate for bottles
Order number:
12l: 8500479A
18l: 8500480A
22l: 8500481A
45l: 8500404A

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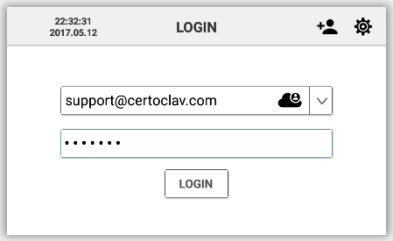
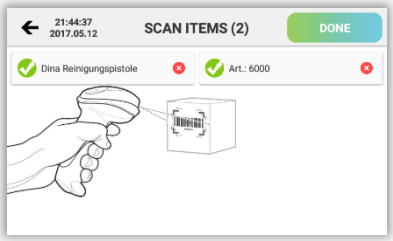
INTUITIVE TOUCH-SCREEN CONTROL

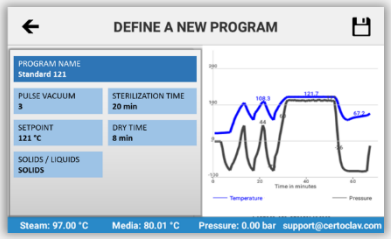
User management



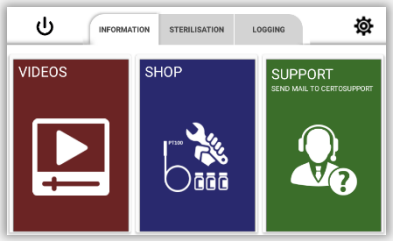
Tracing



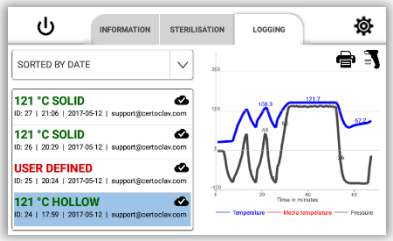
Program editor



On-Screen help and support



Protocol view



Step-by-step video assistant

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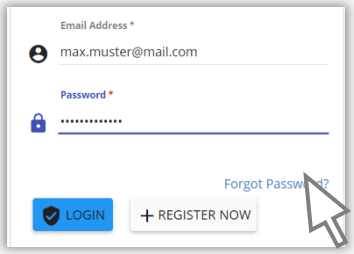
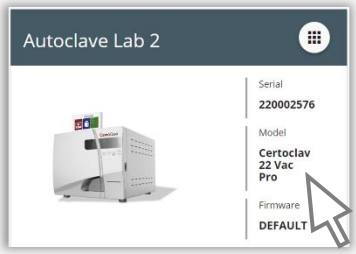
INCLUDING DOCUMENTATION SOLUTION

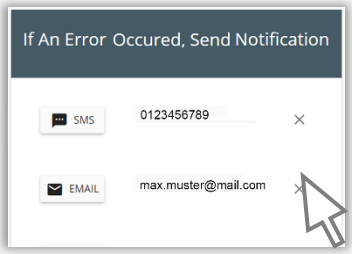
Remote user management



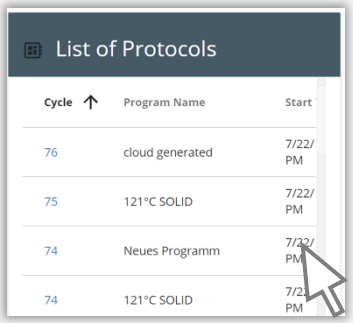
Real time data



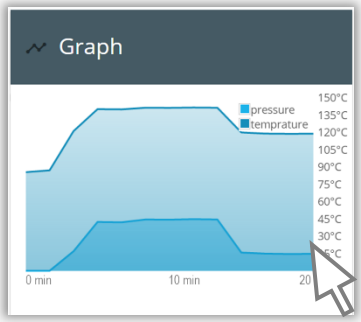
SMS und email



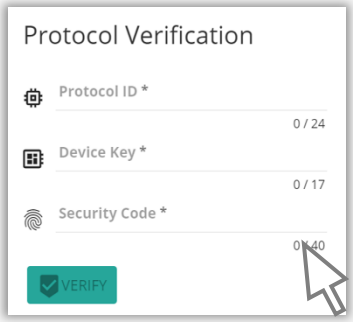
PDF, Excel, CSV data export

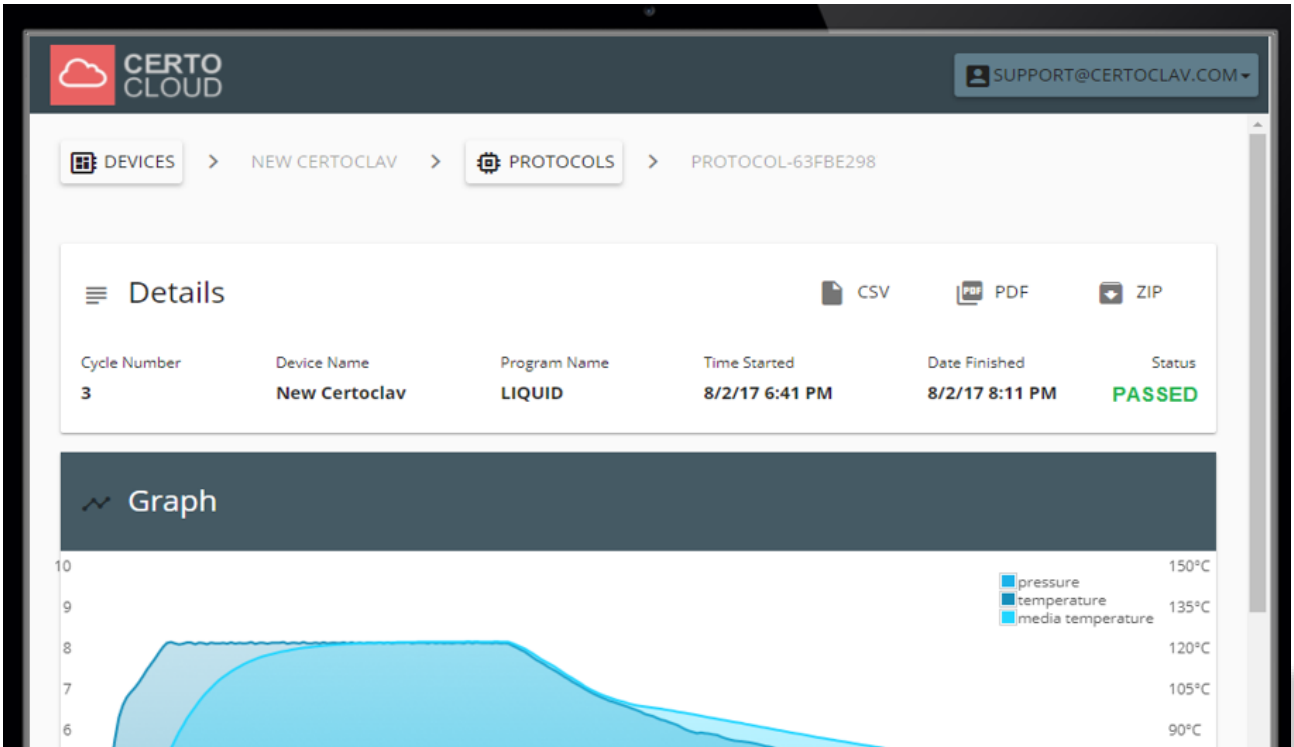


Graphical protocol view



Signed PDFs

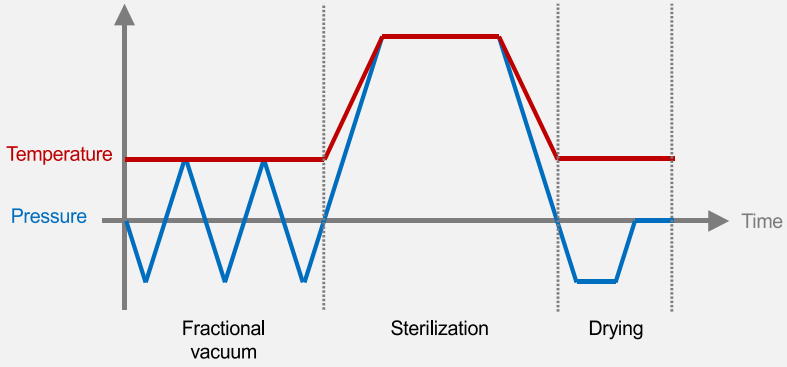




CertoClav Vacuum Pro Series

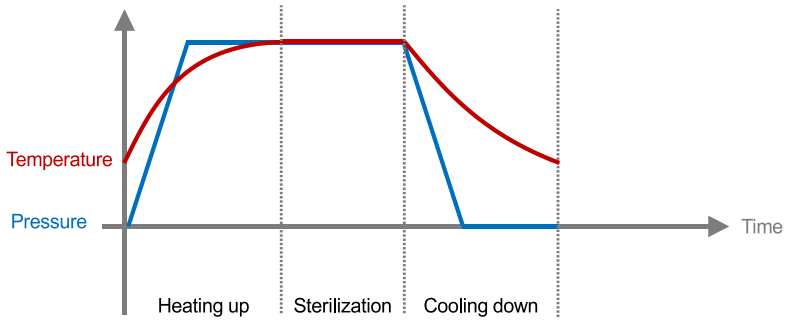
STERILIZE SOLID MATERIALS, LIQUIDS AND WASTE

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.

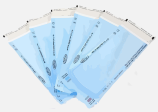
STERILIZATION OF LIQUIDS WITH MEDIA SENSOR



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

STERILIZEABLE MATERIALS

Instruments

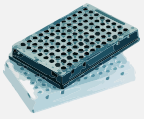

Unpacked materials, single and double packed instruments

Liquids in bottles

Liquids with media temperature sensor

Foodstuffs

Textiles


Plastics, rubber materials

Porous materials, sand

Hollow materials

Filters, waste

CertoClav Vacuum Pro Series

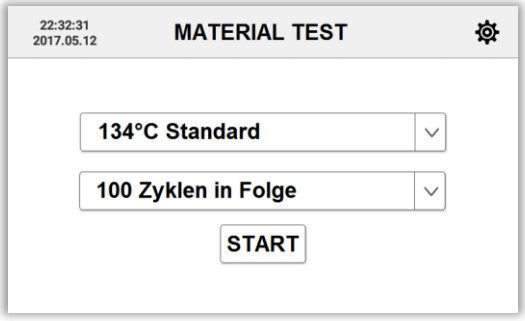
CUSTOM PROGRAM AND AUTOMATED MATERIAL TESTS

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	105 to 134	1 to 60	0	45 to 180
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	

*Default programs only available for Vacuum Pro 12L – 22L. However, all programs are customizable by the user

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 12L - 22L

CertoClav Vacuum Pro 45L

CertoClav Vacuum Pro Series

THE ALL-IN-ONE AUTOCLAVE

TECHNICAL DATA

Chamber volume	12 liter	18 liter	22 liter	45 liter
Product category	Tabletop autoclave	Tabletop autoclave	Tabletop autoclave	Tabletop autoclave
Order number of autoclave with integrated water tanks	8500487	8500488	8500489	8500610
Order number for autoclave with fixed water connection.	8500487W	8500488W	8500489W	-
Integrated, from chamber separated steam generator	✓	✓	✓	✓
Temperature and pressure up to 136°C, 3.2 bar	✓	✓	✓	✓
Touchscreen and full automatic microcontroller control	✓	✓	✓	✓
Number of sterilization programs	12 user customizable	12 user customizable	12 user customizable	8 user customizable
User account management	✓	✓	✓	✓
Internal storage for 10.000 sterilization records and export feature to PC	✓	✓	✓	✓
Vacuum system for sterilization of solids and waste in bags	✓	✓	✓	✓
Steam exhaust filter for sterilization of biological hazardous substances	Optional	optional	optional	optional
Flexible temperature sensor	✓	✓	✓	✓
Interfaces for record of sterilization records	Protocol printer, USB, RS232, RS485 and SD-card			
Interfaces for tracing	Barcode scanner and label printer			
Network enabled with Ethernet and WLAN	✓	✓	✓	✓
Automatic water quality monitoring	✓	✓	✓	✓
CertoTrace Software enabling simple tracing across the whole decontamination process	✓	✓	✓	✓
CertoCloud documentation software for full automatic data backups to offline or local server	✓	✓	✓	✓
Product size	61 x 50 x 43 cm	61 x 50 x 43 cm	65 x 50 x 43 cm	84 x 64 x 56 x cm
Diameter of chamber	20 cm	25 cm	25 cm	31.9 cm
Depth of chamber	36 cm	35 cm	45 cm	61.7 cm
Net weight	51 kg	53 kg	55 kg	120 kg
Gross weight	59 kg	61 kg	63 kg	131 kg
Carton size	73 x 57 x 51 cm	73 x 57 x 51 cm	77 x 57 x 51 cm	90 cm x 75 cm x 70 cm
Scope of delivery	1 autoclave, 3 trays, 1 tray holder, 1 tray handle, 1 power cable, 1 quick-connect drain hoses, 1 CertoCloud license			
Sterilizable materials	Solids, hollow materials, porous materials, liquids, prions, textiles, plastics			
Locking mechanism	Electric door lock	Electric door lock	Electric door lock	Electric door lock
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
Languages	English, German	English, German	English, German	English, German
Sterilization temperature	105°C to 136°C	105°C to 136°C	105°C to 136°C	105°C to 136°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

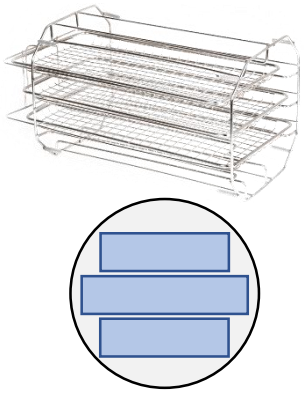
Certoclav Sterilizer GmbH

Phone: +437229689

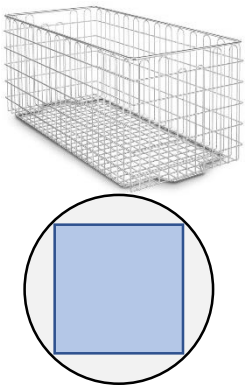
Orders, dealer verification

Loading Capacity
CertoClav Vacuum Pro 45L

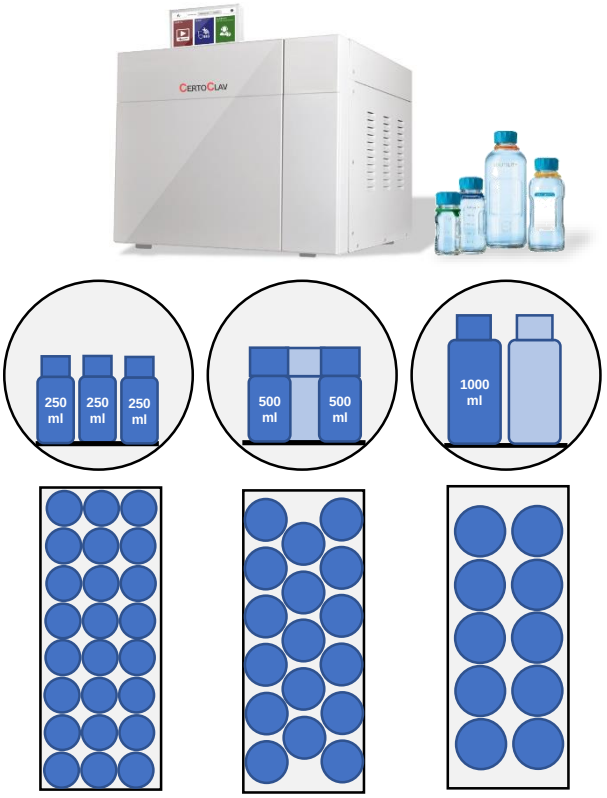
Tray Set
Order number: 8500404



Basket
Order number: 8500406



Bottle Plate
Order number: 8500404A



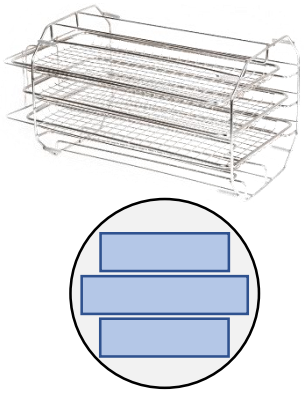
Article	Number	Width [mm]	Height [mm]	Length [mm]	Quantity
Tray Set	8500481	170	50	430	2
		220	50	430	1
Bottle Plate	8500481A	160	2	400	1
Waste Basket	8500481B	170	170	410	1

Article	Number	Volume [ml]	Height [mm]	Diameter [mm]	Capacity VAC PRO 45L	Capacity VAC PRO 22L	Capacity VAC PRO 18L	Capacity VAC PRO 12L
Duran Bottle	218812854	125	124	55	150	17	14	11
Duran Bottle	218813653	250	158	66	25	10	8	7
Duran Bottle	218814452	500	193	78	17	8	6	0
Duran Bottle	218815457	1000	253	93	10	0	0	0

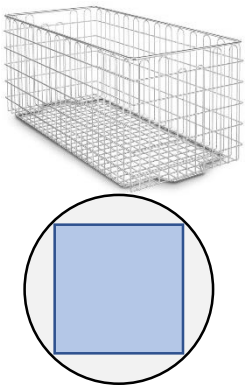
Bestellungen, Händlerverifizierung

Loading Capacity
CertoClav Vacuum Pro 22L

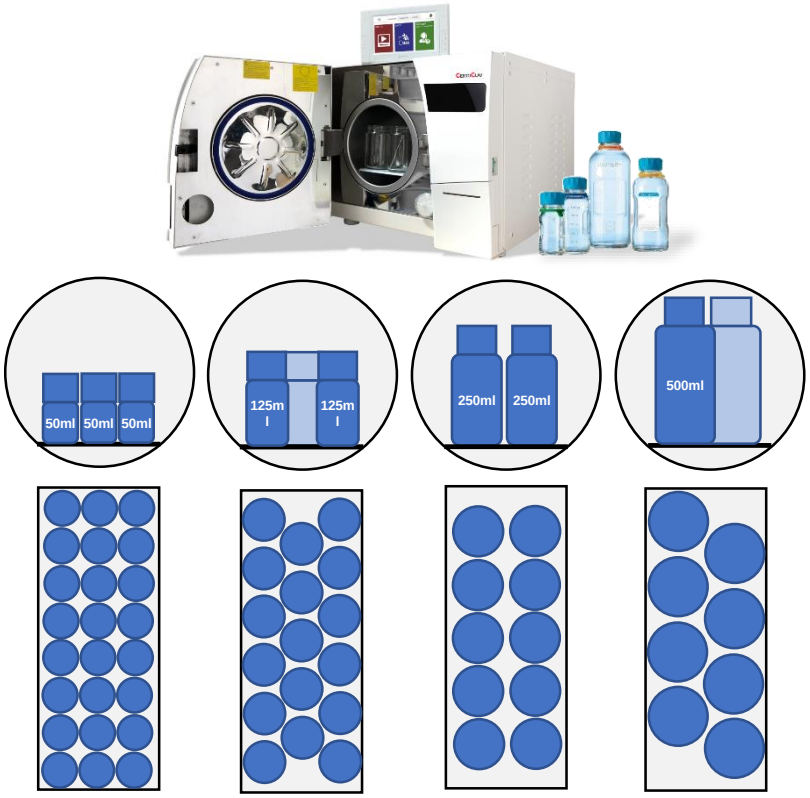
Tray Set
Order number: 8500481



Basket
Order number: 8500403



Bottle Plate
Order number: 8500481A



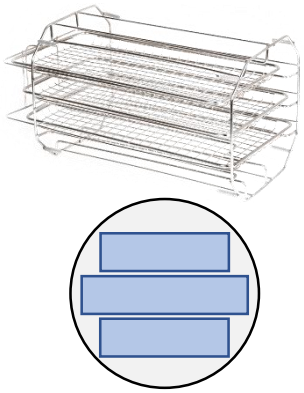
Article	Number	Width [mm]	Height [mm]	Length [mm]	Quantity
Tray Set	8500481	170	50	430	2
		220	50	430	1
Bottle Plate	8500481A	160	2	400	1
Waste Basket	8500481B	170	170	410	1

Article	Number	Volume [ml]	Height [mm]	Diameter [mm]	Capacity VAC PRO 22L	Capacity VAC PRO 18L	Capacity VAC PRO 12L	Capacity VAC PRO 8L
Duran Bottle	21801175	50	91	46	24	18	16	12
Duran Bottle	218812854	125	124	55	17	14	11	9
Duran Bottle	218813653	250	158	66	10	8	7	0
Duran Bottle	218814452	500	193	78	8	6	0	0

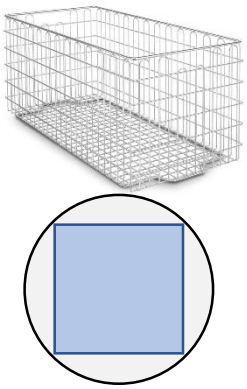
Bestellungen, Händlerverifizierung

Loading Capacity
CertoClav Vacuum Pro 18L

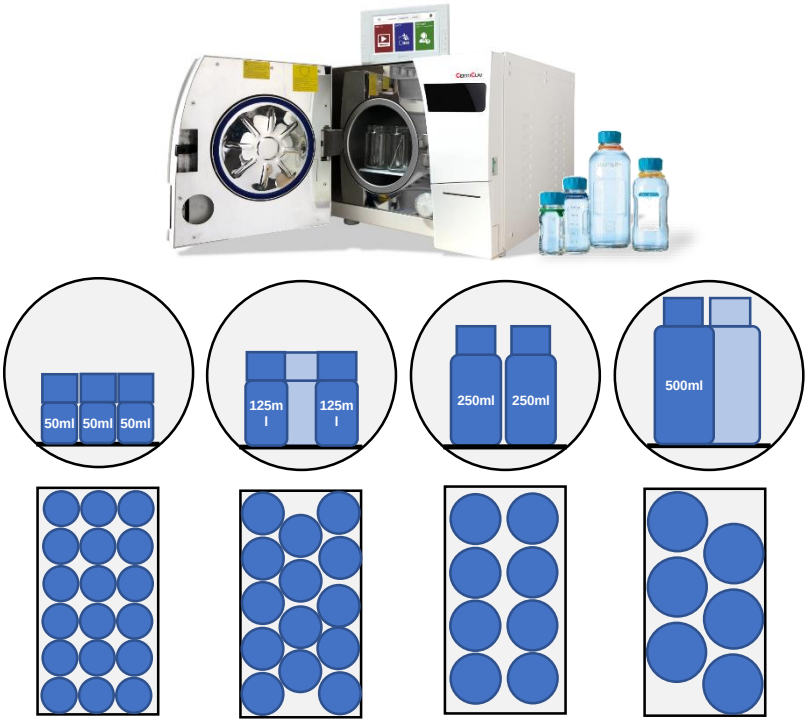
Tray Set
Order number: 8500480



Basket
Order number: 8500402



Bottle Plate
Order number: 8500480A



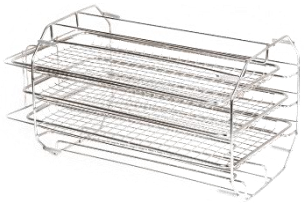
Article	Number	Width [mm]	Height [mm]	Length [mm]	Quantity
Tray Set	8500480	170	50	330	2
		220	50	330	1
Bottle Plate	8500480A	160	2	300	1
Waste Basket	8500490B	170	170	310	1

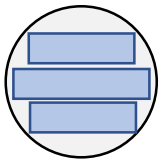
Article	Number	Volume [ml]	Height [mm]	Diameter [mm]	Capacity VAC PRO 22L	Capacity VAC PRO 18L	Capacity VAC PRO 12L	Capacity VAC PRO 8L
Duran Bottle	21801175	50	91	46	24	18	16	12
Duran Bottle	218812854	125	124	55	17	14	11	9
Duran Bottle	218813653	250	158	66	10	8	7	0
Duran Bottle	218814452	500	193	78	8	6	0	0

Bestellungen, Händlerverifizierung

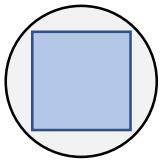
Loading Capacity
CertoClav Vacuum Pro 12L

Tray Set
Order number: 8500479

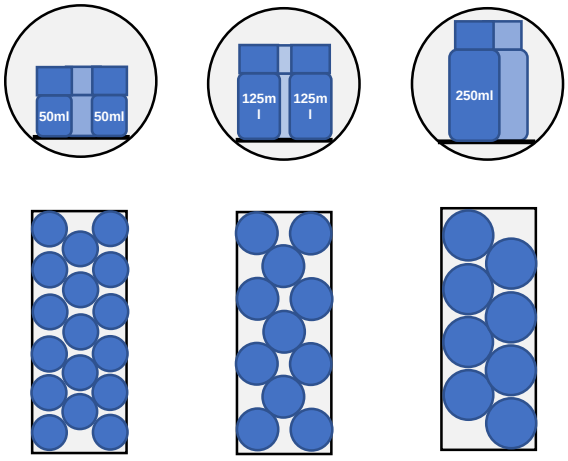




Basket
Order number: 8500401



Bottle Plate
Order number: 8500479A



Article	Number	Width [mm]	Height [mm]	Length [mm]	Quantity
Tray Set	8500479	140	40	340	2
		180	40	340	1
Bottle Plate	8500479A	125	2	320	1
Waste Basket	8500479B	135	135	320	1

Article	Number	Volume [ml]	Height [mm]	Diameter [mm]	Capacity VAC PRO 22L	Capacity VAC PRO 18L	Capacity VAC PRO 12L	Capacity VAC PRO 8L
Duran Bottle	21801175	50	91	46	24	18	16	12
Duran Bottle	218812854	125	124	55	17	14	11	9
Duran Bottle	218813653	250	158	66	10	8	7	0
Duran Bottle	218814452	500	193	78	8	6	0	0

Bestellungen, Händlerverifizierung

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Use the above details to contact us if this literature doesn't answer all your questions.

Pricing on any accessories shown can be found by keying the part number into the search box on our website.

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.