
iconCLAVE
EMMELTO
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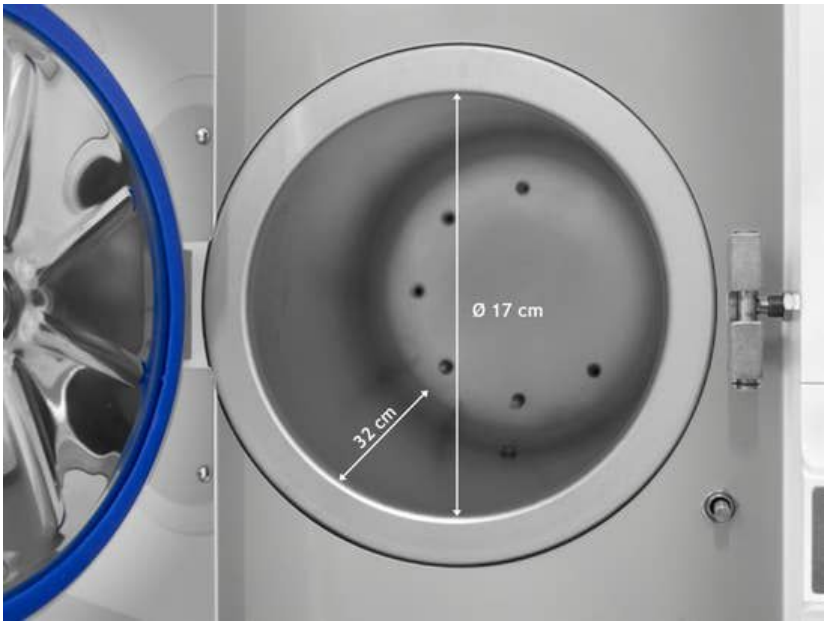
Ø 17 cm
32 cm

Description

Autoclave 8 litres class B with USB and double locking system.

Sterilisation programmes:

Programmes	Temp. (°C)	Pressure (KPa)	Sterilisation time (Min)	Total time (Min)	Type of material	Max. load (Kg)	Max load per tray (Kg)
SOLID	134	210	4	14-25	Solid unwrapped	2.00	0.60
	121	110	20	25-40			
WRAPPED	134	210	4	20-45	Solid unwrapped	1.50	0.60
	121	110	20	30-50	Solid or hollow simple wrapped	2.00	0.60
LIQUID	134	210	10	25-50	Liquid	0.60	0.20
	121	110	30	30-55			
TEXTILE	134	210	8	25-50	Porous unwrapped	0.50	0.15
					Porous simple wrapped	0.35	0.10
	121	110	30	30-55	Porous double wrapped	0.25	0.10
					Hollow simple wrapped	1.50	0.30
					Solid or hollow double wrapped	1.00	0.30
PRION	134	210	18	30-50	Porous unwrapped	0.50	0.15
					Porous simple wrapped	0.35	0.10
					Porous double wrapped	0.25	0.10
					Hollow simple wrapped	1.50	0.50
					Solid or hollow double wrapped	1.00	0.30
Test B&D	134	210	3.5	15-35	-	-	-
Test HELIX	134	210	3.5	15-25	-	-	-
Empty test	-	-	-	17-20	-	-	-

Safety:

- A cycle will not start unless the door is firmly closed.
- Automatic system with double hydraulic safety locking device, prevents door opening while there is pressure in the chamber.
- The safety valves prevent overpressure in the generator and the chamber.
- A safety thermostat prevents overheating in the generator and the chamber.
- An automatic safety lock prevents accidental opening of the door during the sterilisation process. An electricity protector interrupts automatically the power supply in case of a short circuit or if the power supplier is failing.
- Failure alarm, indicates a cycle failure and specifies the error code.
- Door alarm, indicates that the door is not locked properly.
- Low water level alarm, indicates that the water tank is empty or too full.

Technical specifications:

- Power supply: 220-240 VAC; 50/60 Hz; 10A
- Chamber: 170 x 320 mm
- Circuit voltage: F16A / 400V
- Nominal power: 1500 VA
- Sterilisation temperature: 121 ºC / 134 ºC
- Capacity of the distilled water tank: 2.5 L
- Working temperature: 5ºC / 40ºC
- Working relative humidity: Max. 80%, non condensing
- Overall dimensions: 414 x 365 x 530 mm
- Net weight: 34.5 Kg
- Max. noise level: <70 dB
- Atmospheric pressure: 76 kPa / 106 kPa

Components:

- Distilled water tank
- LCD display
- Control panel
- Main power switch
- Drain conector (distilled and used water tank)
- USB port
- Safety valve

- Ventilation grid
- Circuit breaker
- Power cable
- Rating plate

Accessories included:

- Steriliser
- USB
- 2 instrument trays
- Tray rack
- Tray holder
- Door adjustment tool
- 2 draining hoses
- Door gasket
- User manual

Certification:

- Directive 93/42/EEC on Medical Devices.
- Pressure equipment Directive 97/23/EEC.
- EN 13060 for small autoclaves.
- EN 61326, EN 61000 Electromagnetic compatibility.
- EN 61010-1, UL 61010-1 Safety requirements.
- EN 61010-2-040, IEC 61010-2-040 Specific requirements for autoclaves used for treatment of medical equipment.

In the UK this product needs to be inspected and certified anually. Quirumed don´t offer this service and you will need to find your own local techncian who can do this. We do however have a technical service based in Spain to cover the product during the warranty period.

AUTOCLAVE - step by step

1. Open the door, take the tools and accessories that are within the sterilisation chamber, remove the wrapper and clean them.

2. Connect the power cord to a suitable power source.

3. Plug in the printer (optional). Sold separately, ref. 922-PRINTER04.

4. Swith on: The main switch is located on the right bottom area in the front panel. Once activated, the LCD screen is on, where basic operation icons such as the position of the door, the water level, the sterilisation programme, date, time, etc. appear.

5. Fill tank with distilled water. Remove the top lid and fill, if you hear a signal, it means that you exceeded the permitted level of water in the tank, please stop immediately and drain the amount of water necessary for the signal off.

6. Preparation of sterilisation material:

- Place instruments that are of different materials in different trays, however take care to separate them before sterilisation.
- If the instruments are not stainless steel, put some sterilisation paper between the tray and the instruments.
- Do not allow direct contact between instruments of different materials.
- Verify that all instruments are in correct position.
- Place instruments such as lenses, containers, tubes, etc. inverted, so that water does not stagnate within them.
- Do not overload the trays above their limit.
- Do not overlap the trays on top of each other, or put them in direct contact with the wall of the sterilisation chamber.
- Do not use metal clips or pins, this may impair the operation of the steriliser.
- Wrap the instruments one by one, in case they need to be packed several instruments together, make sure that these are of the same material.
- Seal the envelope with special sterilization tape or thermal sealing.
- Make sure that the bag is properly placed within the chamber on the trays (supported on the plastic part).

7. Select the sterilisation programme.

8. Start the sterilisation cycle.

- After selecting the sterilisation programme, insert instruments into the chamber on the trays, using the supplied plastic handle.
- Once the tools are placed within the chamber, proceed to close the door by turning the knob.
- Caution: Be sure to close the door, otherwise the steriliser displays an alarm and can not start or stops the programme during the cycle.

9. Start the sterilisation programme.

- Press the start button, then the steriliser starts operating during approximately 30-75 minutes.

10. After finishing the sterilisation cycle, the printer (optional) prints a full report automatically and the data are saved in the USB memory (.txt format).

- After the pressure drops to zero, you can open the door and remove the instruments. The steriliser alerts by a beep once the sterilisation cycle is completed.
- Caution: Whenever you remove instruments, use the supplied plastic handle for supporting trays.

IMPORTANT: Do not reuse used water.

Installation:

- There must be at least 10 cm of free space around the steriliser, 25 cm at the top, and enough room to open the door.
- The place where the steriliser is used must have appropriate ventilation.
- The steriliser must be placed on a stable surface and at an appropriate height for handling.
- Do not cover or block the lateral outlets or the outlet air grid of the condenser ventilator.
- Do not place the steriliser near water sources where it can be splashed.
- Keep away from heat sources.

Example of printed report:

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Programme: WRAPPED

Temperature: 134C
Pressure: 206.0 kPa
Drying time: 08min
Sterilisation time: 4.0Min

Time Temp. pressure
Start 12:28:17 089.0C
T1: 12:31:32 087.1C -075.0kPa
T2: 12:33:43 110.2C 052.0kPa
T3: 12:36:37 088.9C -080.0kPa
T4: 12:39:20 114.7C 053.7kPa
T5: 12:43:37 087.9C -080.0kPa
T6: 12:50:40 134.8C 206.0kPa
TS: 134.7C 209.5kPa
Max. Temperature: 135.2C
Min. Temperature: 134.3C
Max. Pressure: 214.0kPa
Min. Pressure: 204.9kPa
T7: 12:54:39 134.4C 211.4kPa
T8: 12:57:36 102.1C -060.0kPa
T9: 12:59:54 098.2C -060.0kPa
13:04:07 End 102.4C

Cycle No .: 00017
Result: success
Date: 07/06/2014
SN: E54723
operator: