

STERILIZATION AUTOCLAVE “STERICLAV-S” “NEW DESIGN” EQUIPPED WITH MICROPROCESSOR

Adjustable temperature from 105 °C to 139 °C.

Maximum pressure: 2,5 bar.



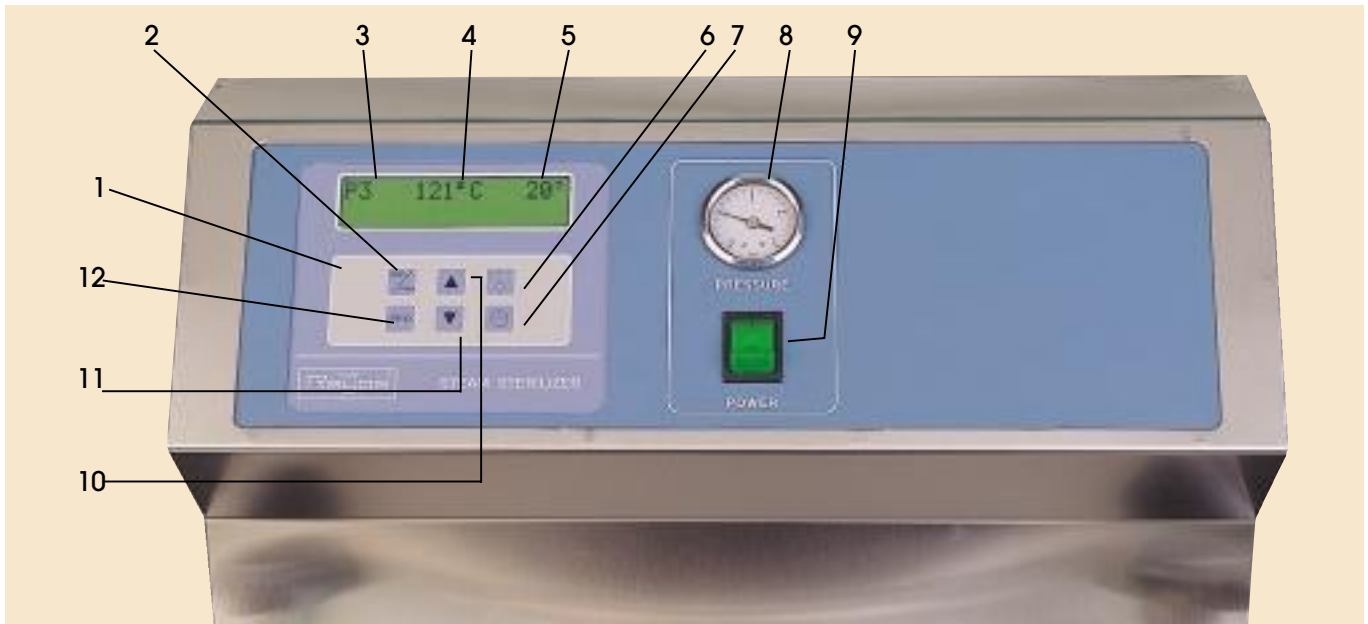
SECURITY

- Independent device to lock the lid of the autoclave while there is pressure inside the sterilization chamber.
- Safety thermostat of overtemperature.
- Safety valve. It discharges the pressure when it exceeds the maximum level.

CHARACTERISTICS

- Steam sterilization autoclave, with a simple chamber.
- Capacity for 10 sterilization programmes.
- Automatic functioning.
- External case and top made of stainless steel AISI 304.
- Tank, lid and closure made of stainless steel AISI 316.
- Electric heating by protected elements inside the chamber.
- Automatic air purge, microprocessor controlled.
- Manual valves for draining and unsteaming. Fully supplied with protecting perforated grid to protect the heating element, and without baskets.
- Curled up orifice BSP 1/2" with cap, to allow the probe's introduction for the autoclave's validation or calibration (rear side accessible).
- Temperature sensor PT 100 Class A
- Temperature's control by microprocessor with P.I.D. action.
- Silicone gasket in the lid.

CONTROL PANEL



- 1.- Microprocessor with LCD screen with 2 lines of 16 characters of 8 mm, which allows to see all the information required to control the autoclave. Electrical front protection IP-54
- 2.- "START/STOP" switch.
- 3.- Number of programme. (10 programmes from P0 to P9).
- 4.- Sterilization temperature. Adjustable from 105°C to 139°C.
- 5.- Sterilization time. Adjustable between 3 and 120 minutes.
- 6.- "THERMOMETER" key. To select the sterilization temperature.
- 7.- "CLOCK" switch. To select the sterilization time.
- 8.- Manometer.
- 9.- Main switch for start up (POWER).
- 10.- Increase switch.
- 11.- Decrease switch.
- 12.- Programming access switch.

MICROPROCESSOR FUNCTIONS

The LCD screen indicates in all moments the process parameters.

It indicates the n° of programme, temperature and time and, in second row, it gives us the information of the phase where the sterilization cycle is at that moment.

Thus, during the cycle you can see:

- PURGE-HEATING: air and heating purge
- HEATING: heating and pressure increasing
- STERILIZING: sterilization period when the programmed temperature is reached, and while the sterilization time lasts.
- COOLING: cooling phase (with natural loss of heat), which takes from the end of the sterilization time until the END OF THE PROCESS.
- PROCESS COMPLETED: It informs of the end of the sterilization cycle, which does not arrive until the autoclave's chamber is at 95°C. At that moment, the lid can be opened.

PROTECTED PROGRAMMES

The autoclave has 4 protected programmes. They are the most common sterilization programmes:

PROGRAMME N°	TEMPERATURE	TIME
P0	115 °C	60'
P1	121 °C	30'
P2	133 °C	20'
P3	121 °C	20'

The programmes between P4 and P9 are free for the user to programme them according to its necessities.

STERILIZATION GUARANTEE

The microprocessor checks the correct phasing of the sterilization cycle. If there is any failure in the phasing, it will appear in screen. Thus, you can see in the LCD screen the following failures:

- **FAULT PROBE:** temperature probe broken or damaged.
- **FAULT HEATING:** problems in the heating phase until the programmed temperature.
- **FAULT TEMPERATURE:** problems in the autoclave to maintain the temperature during the sterilization phase.
- **ELECTROCUTTING:** while the sterilization cycle was on, the autoclave has lost the electrical feeding.
(This is not a failure properly, but the sterilization cycle is aborted).

CODE	REF.	CAPACITY LITERS	INTERIOR MEASURES Ø x HEIGHT mm.	EXT. MEASURES mm. Height x Width x Depth	POWER W	WHEIGHT Kg
13070112	AES-12	13	250 x 270	520 x 490 x 500	1.000	35
13270028	AES-28	28	300 x 400	1.010 x 510 x 560	2.000	60
13290075	AES-75	75	400 x 600	1.090 x 620 x 730	3.000	85
13310011	AES-110	110	400 x 850	1.330 x 630 x 730	4.500	114
13330015	AES-150	150	500 x 750	1.310 x 760 x 850	6.000	140

AES-110 AND AES-150 MODELS, ARE ONLY SUPPLIED FOR TRIFASIC ELECTRIC CURRENT 220V OR 380 V + NEUTRAL.

ACCESSORIES AND SPARE PARTS

PERFORATED STAINLESS STEEL BASKETS

CODE	REF.	FOR AUTOCLAVE	USEFUL MEASURES Ø x HEIGHT mm	N° OF BASKETS PER AUTOCLAVE	WEIGHT KG
90130112	CI-12	AES-12	225 x 215	1	1
90130228	CI-28	AES-28	280 x 200	2	1,5
90130375	CI-75	AES-75	380 x 260	2	2,5
	CI-75	AES-110	380 x 260	3	
90130450	CI-150	AES-150	475 x 360	2	4



NON-PERFORATED STAINLESS STEEL BASKETS

Specially recommended when using the autoclave to sterilize liquids, culture medium or bags with polluted capsules. It avoids that, if the container breaks, the liquid will go to the tank of the autoclave and will obstruct the pipes.

CODE	REF.	FOR AUTOCLAVE	USEFUL MEASURES Ø x HEIGHT mm	N° OF BASKETS PER AUTOCLAVE	WEIGHT KG
90130512	CCI-12	AES-12	225 x 215	1	1
90130628	CCI-28	AES-28	280 x 200	2	1,5
90130775	CCI-75	AES-75	380 x 260	2	2,5
	CCI-75	AES-110	380 x 260	3	
90130850	CCI-150	AES-150	475 x 360	2	4



STAINLESS STEEL CYLINDERS TO STERILIZE PETRI CAPSULES AND PIPETTES.

CODE	REF.	DESCRIPTION	WEIGHT KG
90130740	CEP-7040	CYL. TO STERILIZE PIPETTES Ø 70 x 400 MM.	1
90131340	CEP-1340	CYL. TO STERILIZE PIPETTES Ø 130 x 400 MM.	1
90131326	CEP-1326	CYL. TO STERILIZE PETRI CAP Ø 130 x 260 MM.	1
90131347	CEP-1347	CYL. TO STERILIZE PETRI CAP Ø 130 x 400 MM.	1



Printer of continuous sheet, it prints the programme number, the cycle number. Temperature, date, time and hour of every sterilization. Any warning notice of failure is also reflected. If at the end of the sterilization cycle everything is correct, it prints: "Sterilization O.K." This accessory must be installed in the factory
Ref. IT Code 90131300

It uses thermic paper roll of ø 50 mm x 57 mm. wide.

HEIGHT ADJUSTABLE SUPPORT WITH SHELVES

Stainless steel supports provided with three shelves. In stainless steel, adjustables in height every 12 mm. It allows to put inside the autoclave glass, objects,... of different measures to make good use of the internal space.

CODE	REF.	FOR AUTOCLAVES
90131428	SRA-1	AES-28
90131475	SRA-2	AES-75
90131510	SRA-3	AES-110
90131550	SRA-4	AES-150



- Fully supplied, with three shelves.