



Autoclaves for sterilization "Autester ST DRY PV III"

MICROPROCESSOR PROCESS CONTROL.
AUTOMATIC VACUUM DRY AND PURGE "PREVACUUM"
PROGRAMMABLE TEMPERATURE FROM 105 °C TO 134 °C (0.21 TO 2 bar).
CONFORMS TO APPARATUS PRESSURE REGULATION DIRECTIVES.
VERTICAL FLOOR STANDING MODEL: 50, 80 AND 150 LITRES.



CONFORMITY

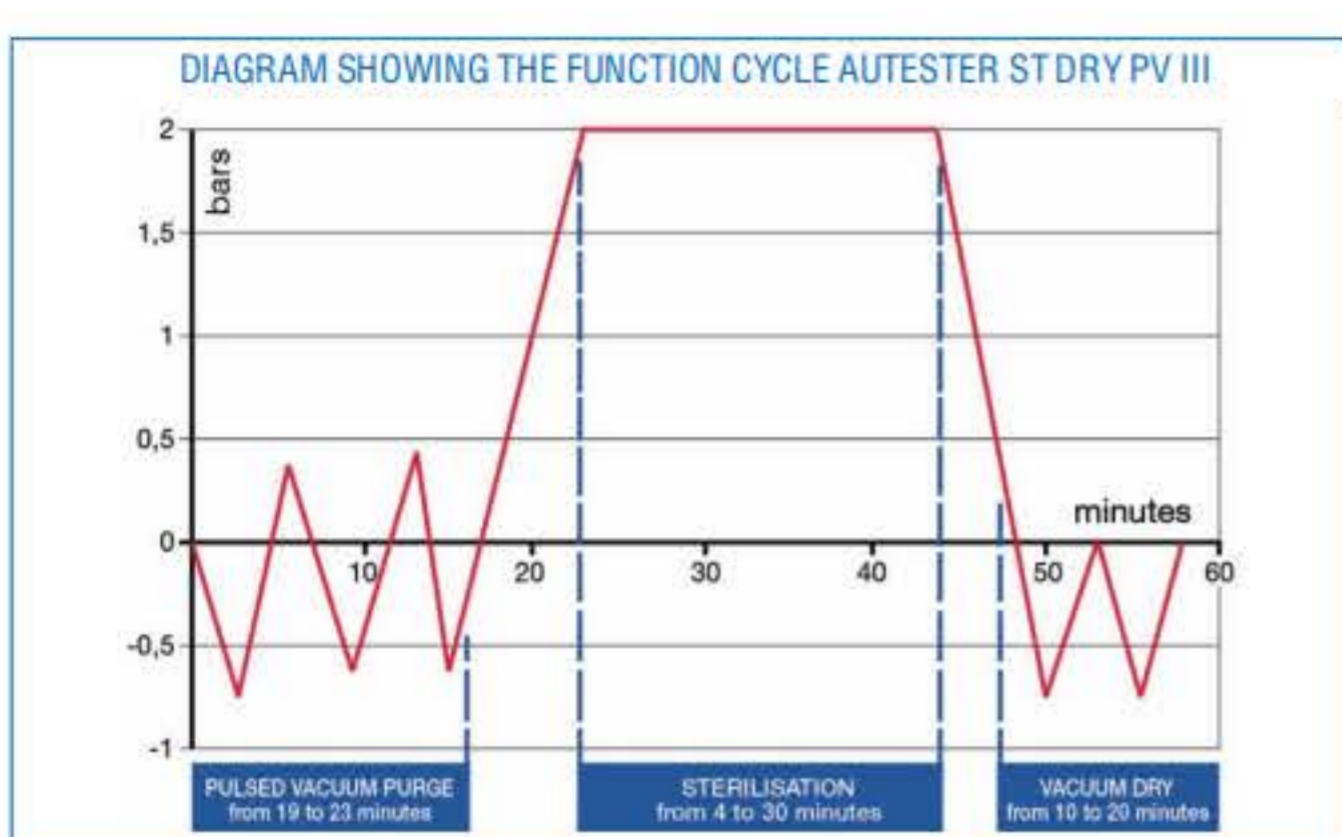
EN 61010-1 SAFETY FOR EQUIPMENT FOR LABORATORY USE
 EN 61010-2-040 SAFETY FOR STERILIZER EQUIPMENT FOR LABORATORY USE
 EN 61326 ELECTROMAGNETIC COMPATIBILITY FOR EQUIPMENT FOR LABORATORY USE.

FEATURES

- Stainless steel exterior and top.
- Stainless steel lid.
- Lid, six closure point system.
- Pulsed vacuum system and atmosphere purge.
- External steam generator (except 150 litres autoclave).
- Water reservoir for clean water for the steam generator boiler.
- External water connection if required.
- 6 function modes.
- RS 232 for PC parameters printing (back side).
- Printer output.
- USB output for PEN-DRIVE data logging.
- Connection for a second temperature sensor.
- 10 customer set programs.
- Lateral external probe port (except 150 litres autoclave).

SAFETY

- Safety:** The lid cannot be opened if the chamber is under pressure.
- Safety valve:** Prevents over pressure over the maximum limit.
- Safety pressure switch:** switches the heater power off if over pressure.
- Safety Lid:** insulated lid protection.



CONTROL PANEL

TFT touch screen with virtual pushbuttons.



- Graphical representation of real time process
- Start/Stop virtual pushbutton.
- Running program.
- Press indicator.
- Temperature indicator.
- Running program parameters.



BACK VIEW

- Mains input.
- External water supply.
- Safety valve.
- Vacuum vapour valve.
- Air in filter valve.
- Safety thermostat.
- Safety thermostat.
- Empty tank valve.
- Drain tank valve.
- RS232 connector.
- USB connector.

MICROPROCESSOR FEATURES

The microprocessor controls the performing of the air extraction process, sterilizing and drying, executing the selected procedures and commands by the user, adjusting the following parameters:

- Sterilization temperature from 105°C up to 134°C.
- Sterilization time from 3' to 59'.
- Drying time from 20' to 60'.
- Up to 10 user-configurable programs.
- Six operating modes:
 - Solid 1 - Solid 2 fractions - Solid 3 fractions - Drying - Liquids - Liquids 2 probes
- Verification test
- Vacuum - Bowie Dick.
- Settings:
 - Units - languages (Spanish, English, French).
 - Printer module On/Off. - Clock: date/time.
- External water: on/off.
- Password for configuration.
- Calibration (adjustment offset)
- Temperature probe 1 - Temperature probe 2
- Water dosing. - Pressure
- Audible and visual alarm for overtemperature and insufficient temperature.
- Network failures detection and memorization
- Safety thermostat by software
- Sterilization cycles data logging with capacity for over 500 cycles.
- Internal cleaning program
- Graphical representation of real time process



Error messages of functions and program execution are displayed and an acoustic alarm sounds. The vapour generator automatically cuts out.

MESSAGES:

- | | | |
|---------------------|---------------------------|----------------------|
| 1. E 2PROM | 7. VACUUM | 13. LEVEL 1 |
| 2. RTC FAULT | 8. PRESSURE | 14. LEVEL 2 |
| 3. SENSOR PRECISION | 9. BOILER TEMPERATURE | 15. DOOR |
| 4. HEATER PROBE | 10. TEMPERATURE LOW FAULT | 16. PRINTER NO PAPER |
| 5. CHAMBER PROBE | 11. INPUT ERROR | 17. PAPER JAM |
| 6. OVER PRESSURE | 12. STERILIZATION | 18. ELECTRICAL FAULT |

MODELS	Part No.	Dry	Capacity litres	Ø / Height (usables) cm	Height / Width / Depth (exterior) cm	Temp. °C	Water Reservoir H ₂ O capacity.	Basket size	Power W	Weight Kg
AUTESTER ST DRY PV III 50	4002516	Yes	50	30 63	117 48 62	105 to 134	10	3	3000	108
AUTESTER ST DRY PV III 80	4002519	Yes	80	40 60	119 58 72	105 to 134	10	2	4850	136
AUTESTER ST DRY PV III 150*	4002518	Yes	150	50 70	118 80 95	105 to 134	20	3	7500*	250

Comes without baskets and drums.* The part number 4002518 due to its power rating is only manufactured for three phase 230V or 400V. Specify preference when ordering.

COMPLEMENTS: Factory fitted options.



Printer of continuous paper roll with print out of program, temperature, pressure, time and phase. Part No. **4002417**
Pt100 Sensor (See page 63).

COMPLEMENTS FOR "PRESOCLAVE III", "PRESOCLAVE PLUS" AND "AUTESTER ST DRY PV III"

Loading and unloading crane

- Baskets elevator for loading and unloading of autoclaves of 50, 80 and 150L
- With adapter for handling baskets without deforming.
- Axial rotation for placing baskets to a trolley.
- Total lift height: 2.35 m (autoclave assembled)
- Bottom part made of epoxy coated steel and upper part made of stainless steel.
- Maximum crane load: 40 Kg.
- Power: 230V 300W
- UP/DOWN pushbutton.
- Part No: **1002426**



PARAMETERS AND PROGRAMS PRE INSTALLED IN THE AUTOCLAVE MICROPROCESSOR

(Note: All these parameters are adjustable by the user)

N° Programme	Description	Temperature Sterilization	Time Sterilization	Time Dry	Purge
0	Free	-	-	-	-
1	Unwrapped instruments	134 °C	4 min	15 min	2 (1)
2	Wrapped instruments	134 °C	12 min	30 min	3 (2)
3	CJD	134 °C	20 min	20 min	3 (2)
4	Delicate unwrapped	121 °C	15 min	15 min	2 (1)
5	Delicate wrapped	121 °C	30 min	30 min	3 (2)
6	Disinfecting	105 °C	25 min	15 min	1 (3)
7	Liquids	121 °C	30 min	-	1 (3)
8	Solids	121 °C	15 min	30 min	1 (3)
9	Solids	134 °C	4 min	30 min	1 (3)

- (1) Double Vacuum purge. (2) Triple Vacuum purge.
 (3) Atmospheric purge (No vacuum).

ACCESSORIES: AISI 304 Stainless steel wire baskets and drums.

- For Autester ST DRY PV-II 50, Part No: 4002516.
- Capacity, 3 baskets Ø 25,5 and 20 cm. height. Part No: **1000495**
- For Autester ST DRY PV-II 80, Part No: 4002519.
- Capacity, 2 baskets Ø 36 and 28 cm. height. Part No: **1000496**
- For Autester ST DRY PV-II 150, Part No: 4002518.
- Capacity, 3 baskets Ø 44,5 and 22 cm. height. Part No: **1000780**
- Sterilization drum made from AISI 304 stainless steel.
- For Autester ST DRY PV-II 50, Part No: 4002516.
- Capacity, 3 drum Ø 25 and 18 cm. height. Part No. **1002418**
- For Autester ST DRY PV-II 80, Part No: 4002519.
- Capacity, 2 drum Ø 35 and 27 cm. height. Part No. **1002419**
- Detergent Bio-Sel.** (see page 63)
- Water distillation** unit especially for autoclaves. (see page 63).
- Purge microfilter.** Part No. **4001221**