



# 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.**

NEW DESIGN

REGULATION SYSTEM 3

### CONFORMITY

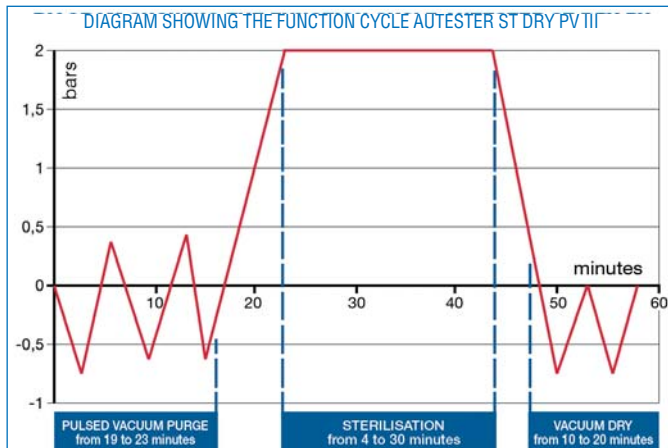
EN 61010-1	SAFETY FOR EQUIPMENT FOR LABORATORY USE
EN 61010-2-040	SAFETY FOR STERILIZER EQUIPMENT FOR LABORATORY USE
EN 61326	ELECTROMAGNETIC COMPATIBILITY FOR EQUIPMENT FOR LABORATORY USE.

### FEATURES

- Stainless steel exterior and top.
- Stainless steel lid.
- Lid, six closure point system.
- Pulsed vacuum system and atmosphere purge.
- Incorporated steam generator, connected to the main chamber.
- 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 and Computer connection.
- Connection for a second temperature sensor.
- Memory for 9 customer set programs.

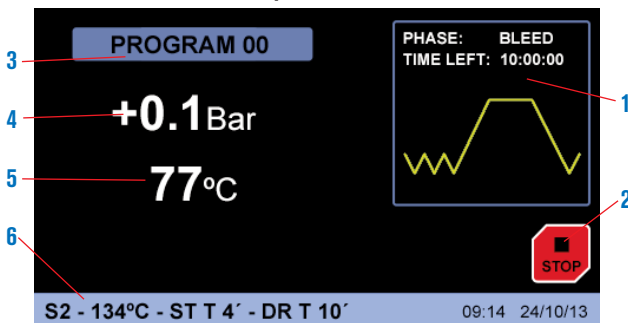
### SAFETY

- 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 to if over pressure.
- Safety Lid:** insulated lid protection.

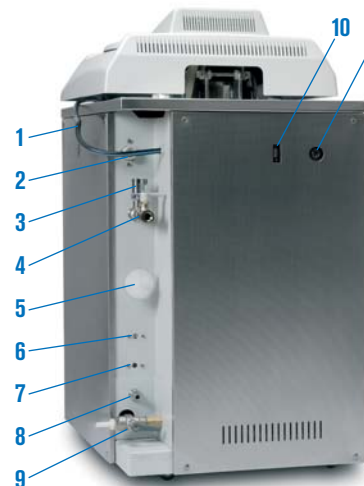


### CONTROL PANEL

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.
- 2nd Temperature sensor connection.

## 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).
  - USB or printer module. - Clock: date/time.
  - External water: on/off.
- Password
- Calibration
  - Temperature probe 1 - Temperature probe 2
  - Water dosing.
- 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
- Software for PC
- Temperature correction
- Summarized user manual on screen
- 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            | 10. TEMPERATURE LOW FAULT |
| 2. RTC FAULT          | 11. INPUT ERROR           |
| 3. SENSOR PRECISION   | 12. STERILIZATION         |
| 4. HEATER PROBE       | 13. LEVEL 1               |
| 5. CHAMBER PROBE      | 14. LEVEL 2               |
| 6. OVER PRESSURE      | 15. DOOR                  |
| 7. VACUUM             | 16. PRINTER NO PAPER      |
| 8. PRESSURE           | 17. PAPER JAM             |
| 9. BOILER TEMPERATURE | 18. ELECTRICAL FAULT      |



MODELS	Part No.	Dry	Capacity litres	Ø / Height (usables) cm	Height / Width / Depth (exterior) cm	Temp. °C	Water Reservoir H <sub>2</sub> 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	4002517	Yes	80	40 60	107 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 4002426 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 temperature, pressure, time and mode. Part No. **4002417**

**Pt100 Sensor** (See page 63).

**Loading and unloading crane.** Part No. **1002426** (see page 70).

### ACCESSORIES: AISI 304 Stainless steel wire baskets and drums.

For **Autester ST DRY PV-II 50**, Part No: 4002515.

Capacity, 3 baskets Ø 25,5 and 20 cm. height. Part No: **1000495**

For **Autester ST DRY PV-II 80**, Part No: 4002425.

Capacity, 2 baskets Ø 36 and 28 cm. height. Part No: **1000496**

For **Autester ST DRY PV-II 150**, Part No: 4002426.

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: 4002515.

Capacity, 3 drum Ø 25 and 18 cm. height. Part No. **1002418**

For **Autester ST DRY PV-II 80**, Part No: 4002425.

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).

### 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).