Autoclaves for sterilization “Autester ST DRY GMP-S / USB-S”

PROCESS CONTROL BY PLC.
AUTOMATIC DRYING AND PURGING SYSTEM BY FRACTIONATED VACUUM.
FOR ADJUSTABLE TEMPERATURES FROM 105°C TO 134°C (0.21 TO 2 BAR). MAXIMUM PRESSURE: 2.5 BAR.
COMPLIANT WITH PRESSURE EQUIPMENT DIRECTIVE 2014/68/EU.
VERTICAL MODEL. CAPACITIES: 50, 80, AND 150 LITERS.
GMP-S MODELS WITH GMP CONNECTION AND USB MODELS WITHOUT GMP CONNECTION.

NEW

EU GMP Annex 11

FDA 21 CFR Part 11

Fo

Wi Fi

USB

CONFORMITY	
EN 61010-1	SAFETY REQUIREMENTS FOR LABORATORY EQUIPMENT.
EN 61010-2-040	SAFETY FOR STERILIZER EQUIPMENT FOR LABORATORY USE
EN 61326-1	ELECTROMAGNETIC COMPATIBILITY FOR EQUIPMENT FOR LABORATORY USE.
AD2000	MERKBLATTER PRESSURE EQUIPMENT DESIGN CODE.

FEATURES

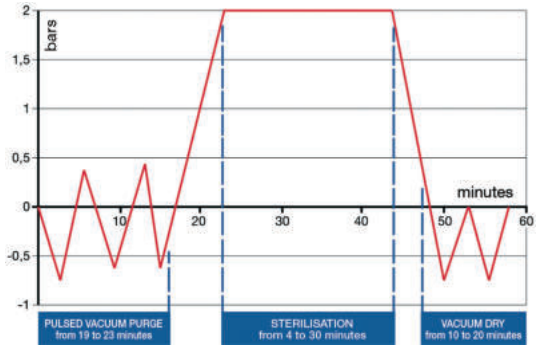
Exterior cabinet and countertop in stainless steel.
Tank and lid in stainless steel (AISI 316L).
Purging by fractionated vacuum and atmospheric pump.
Steam generator.
Water tank to supply the boiler.
Possibility to supply the boiler from an external water source.
6 operating modes.
Connection for a second control probe.
10 fully configurable user programs.
Lateral port for external probe (except for 150-liter autoclave).
Internal memory for storing 200 cycles.



SAFETY

Device that prevents the lid from opening while the chamber is under pressure.
Safety valve. Prevents the pressure from exceeding the maximum limit.
Safety pressure switch. Disconnects the heating in case of overpressure.
Thermal protective cover for the lid.
Closed-door detection sensor.
Atomatic generation of reports in PDF and CSV.

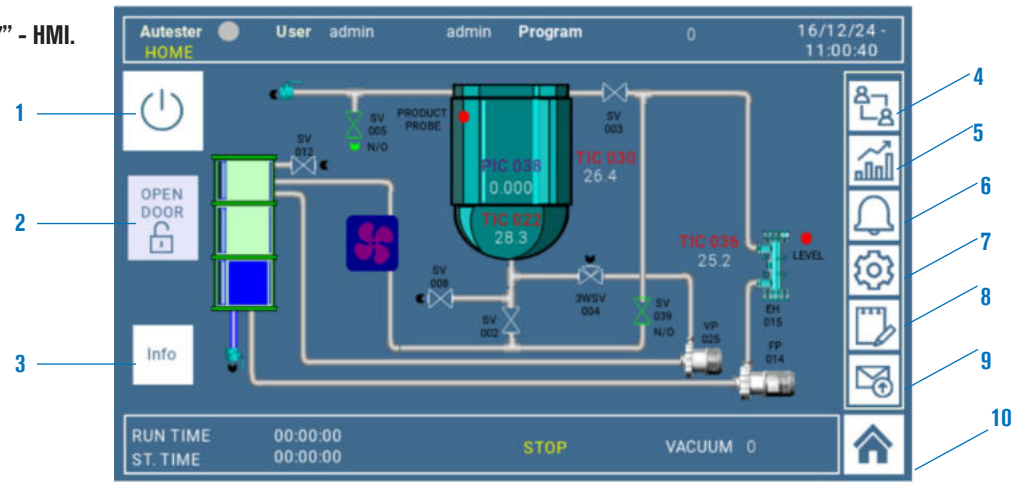
DIAGRAM SHOWING THE FUNCTION CYCLE AUTESTER ST DRY-S



CONTROL PANEL

TFT touch screen with virtual buttons. TFT 7” - HMI.

1. Start button.
2. Manual lid opening.
3. Information.
4. User Change menu.
5. Trend menu.
6. Alarms menu.
7. Configuration menu.
8. Recipes menu.
9. FTP transfer menu.
10. Home.



Autoclave for sterilization Autester “ST DRY PV” 12 Class B

CAPACITY: “ST DRY PV”: 12 LITRES.

According to directive: 2014/68/UE equipment under presure,3.3.

FEATURES

Stainless steel internal chamber.
Staged vacuum purge.
Dry by vacuum
Incorporated steam generator.
Water reservoir to supply the chamber
High vapour penetration of porous material
Used in digestive studies, ophthalmology, operating theatres etc .

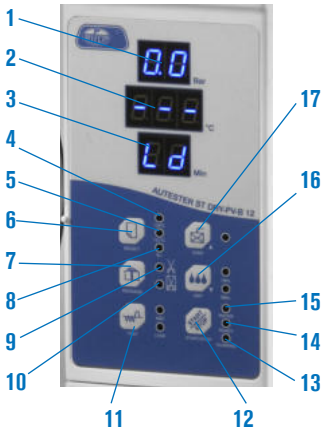
SAFETY

Safety valve. Prevents over pressure over the maximum working limit.
Safety thermostat. Disconnects power to the heater if over temperature or low water in the reservoir.
Thermally protected lid.



TEMPERATURE CONTROL AND AUTOMATIC MICROPROCESSOR CYCLE.

CONTROL PANEL



1. Pressure indicator (bar).
2. Temperature indicator (°C).
3. Time Indicator (min.).
4. 121 °C.
5. 134 °C.
6. Program selection.
7. Select wrapped or non wrapped.
8. Textile materials.
9. Solids (Not wrapped).
10. Solids (Wrapped).
11. Test.
12. Preheating.
13. Sterilization cycle in process.
14. Autoclave ready for operation.
15. Low level water indicator.
16. Fast dry (1 or 5 minutes).
17. “Maintain hot” the chamber.

CYCLES	134 °C Wrapped	134 °C Not Wrapped	121 °C Wrapped	121 °C Not Wrapped	Textiles	Test Bowie Dick	Test Vacuum
Sterilization Temperature	134 °C	134 °C	121 °C	121 °C	134 °C	134 °C	-
Sterilization pressure	2.1 bar	2.1 bar	1.1 bar	1.1 bar	2.1 bar	-	2.1 bar
Vacuum purge time	8 min.	4 min.	8 min.	4 min.	8 min.	-	-
Sterilization time	12 min.	4 min.	30 min.	20 min.	12 min.	3.5 min.	10 min.
Dry time	10 min.	10 min.	10 min.	10 min.	15 min.	1 min.	-

MODEL	Part No.	Capacity litres	Ø / Depth cm		External dimensions cm			Trays dimensions cm			Power W	Weight kg
					Height	Width	Depth	Height	Width	Depth		
AUTESTER ST DRY PV B 12	4001737	12	20	35	39,2	48,7	60	1,8	14	29,5	1800	42,2



Comes complete with: spare joint, door adjustment key, support with three trays, extractor forceps, empty water filter and waste water out.

ACCESSORIES

Thermal Printer.
Paper size 2 1/4” (56 mm) wide.
Includes communications and power cable.
Power: DC 5V 3A
Part No: 4120123
Paper roll for thermal printer
Code: 4405730
Water distiller especially for Autoclaves. (See page 64).
Bag sealers (See page 69 and 70).

