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

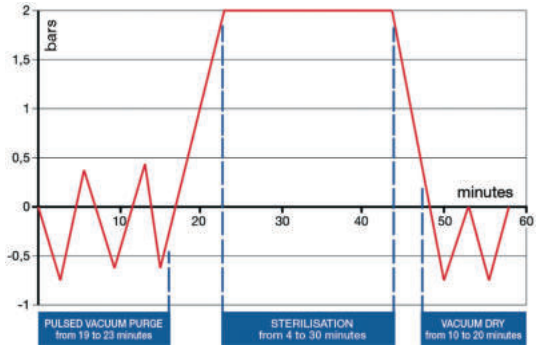
Exterior cabinet and countertop in stainless steel.
Tank and lid in stainless steel (AISI 316L).
Purging by fractionated vacuum and atmospheric pump.
Steam generator.
Water tank to supply the boiler.
Possibility to supply the boiler from an external water source.
6 operating modes.
Connection for a second 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.

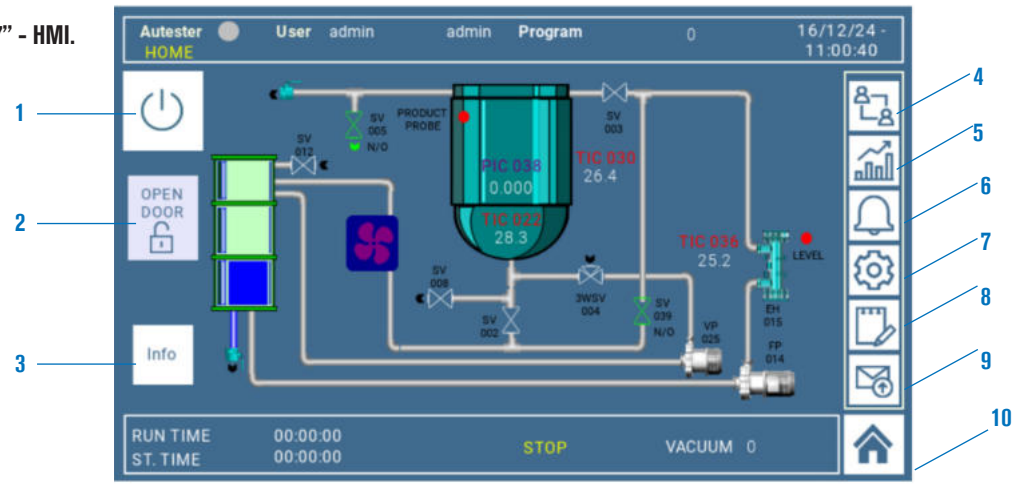
DIAGRAM SHOWING THE FUNCTION CYCLE AUTESTER ST DRY-S



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-B Print

CAPACITY: 23 LITRES.

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

FEATURES

Digital electronic control.
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.
Automatic or manual filling of the water tank.
USB connection for parameters memorization (software included).
Built-in printer.



BUILT-IN PRINTER.

TEMPERATURE CONTROL AND AUTOMATIC MICROPROCESSOR CYCLE.

SAFETY

Mechanism door lock, prevents the door being opened accidentally.
Safety valve. Prevents over pressure over the maximum working limit.
Safety thermostat. Disconnect power to the heaters if over temperature or low water in the reservoir are produced.
Thermally insulated lid.
Dirty water tank full alarm.

CONTROL PANEL



1. LCD screen.
2. Push button increase parameters.
3. Push button decrease parameters.
4. Push button menu.
5. Push button Start-Stop.

CYCLES	134 °C Emergency	134 °C Solid	134 °C Hollow	134 °C Sanguinary	121 °C Solid	121 °C Hollow	134 °C Glass	121 °C Tampon	134 °C Bowie Dick	134 °C Helix	134 °C User-defined	Test Vacuum
Sterilization Temperature	134 °C	134 °C	134 °C	134 °C	121 °C	121 °C	134 °C	121 °C	134 °C	134 °C	134 °C	-
Sterilization pressure	2,1 bar	2,1 bar	2,1 bar	2,1 bar	1,1 bar	1,1 bar	1,1 bar	1,1 bar	2,1 bar	2,1 bar	-	-
Vacuum purge number	1	1	4	3	1	3	1	3	3	3	3	-
Sterilization time	4 min.	4 min.	4 min.	18 min.	20 min.	20 min.	4 min.	30 min.	3,5 min.	3,5 min.	4 min.	-
Dry time	8 min.	4 min.	10 min.	10 min.	8 min.	10 min.	4 min.	18 min.	3min.	3 min.	3 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 23	4001739	23	24,5	48	40	47	67	2	20,5	38	1700	48



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

ACCESSORIES

Water distiller especially for Autoclaves. (See page 64).
Bag sealers (See page 69 and 70).