

Autester-E DRY - Adjustable sterilisation temperature range from 105°C to 134°C (at 0.2 to 2 bar)

Adjustable timer range from 1 minute to 99 minutes

Manufactured and certified in accordance with and conforms to the regulations for services and industry for pressure apparatus and vessels.

Floor standing model. Capacity 30, 75 and 140 litres

Safety

Pressure safety device: prevents the opening of the lid while the chamber is under pressure.

Safety over-pressure valve: Prevents the pressure exceeding the set maximum limit.

Over-pressure cut out. Disconnects the heater element in the event of exceeding the set maximum pressure limit.

Safety Thermostat. Disconnects power to the heater element in the event of over temperature or lack of water in the tank.

Safety door closed indicator: Detects and indicates if the lid is in the correct closed position.

Thermal protection: The lid has an insulated thermal protective cover.

Features

AISI 304 Stainless steel exterior and top.

INCOLOY stainless steel heater element, provides: long life, corrosion and high temperature resistant.

AISI 316 stainless steel reservoir water tank, lid and lock. Automatic vacuum, purge and dry cycle.

Automatic evacuation of the air in the chamber at the beginning of the sterilisation cycle.

Distilled water reservoir tank to feed the boiler. External vacuum filter.

To obtain the best sterilisation results the chamber needs to be completely saturated with steam vapour.

Technical Data

Controllable sterilisation temperature range from 105 °C to 134°C (at 0.2 to 2 bar).

Adjustable timer range from 1 to 99 minutes.

Manufactured and certified in accordance with and conforms to the regulations for services and industry for pressure apparatus and vessels.

Note :- Supplied without baskets - see Accessories

Microprocessor Functions

The microprocessor controls the running of the sterilisation and drying process using the following pre-selected parameters set by the operator:

- * Sterilisation temperature from 105°C to 134°C (at 0,2 to 0,2 bar).
- * Sterilisation time from 1minute to 99 minutes.
- * Drying time from 1 to 60 minutes.
- * Three modes of operation:
 - Liquids.
 - Solids.
 - Solids plus drying.
- * The microprocessor monitors and verifies at all times the following parameters:
 - Lid / door is in the correct close position.
 - Monitors that the temperature probe is functioning.
 - That the temperature and the purge time do not exceed their set limits.
 - That the sterilisation temperature does not vary more than two degrees from the set temperature.

Any failure of these parameters is shown as a visible warning on the control panel, sets off an acoustic warning alarm and automatically disconnects the heater element.

To guarantee in all circumstances that the system has completed the cycle to the set time and temperature parameters, the Autester E DRY-PV autoclaves can be installed with a temperature probe that can be placed within the culture flask, residual packets etc. In this way proof that the programmed time and temperature for the run have been achieved.

When the probe is connected to the controller of the autoclave, it is automatically recognised by the microprocessor, whereby the real time and temperature values detected by the probe are displayed and printed.

Accessories (See Autoclave Accessories page 27)

- Thermal printer.
- Baskets
- Pt 100 probe
- Software e-interface for Data-Logger.
- Data-Logger: Temperature.
- AISI 316 stainless steel wire dividers
- Detergent 'BIO-SEL'

Models	Part No.	Drying	Capacity Litres	Dia / Hght (usable) cm	H x W x D (ext) cm	Temp °C	Res Cap H:O dest.	No. of Baskets	Dry Power W	Power W	Weight Kg
Autester E-30-DRY PV	C/A/010E30DRY	Yes	30	30 / 40	100 / 59 / 48	105 to 134	17	2	2800	1350	87
Autester E-75-DRY PV	C/A/010E75DRY	Yes	75	40 / 60	109 / 70 / 59	105 to 134	30	2	3600	2250	147
Autester E-140-DRY PV	C/A/010E140DRY	Yes	140	50 / 70	129 / 89 / 82	105 to 134	60	3	7500	4750	249