



## **AE-DRY Range Digital With Drying**

Multipurpose vertical sterilizer with final drying

**Gama AE-DRY** – Solids sterilization with multipurpose uses indicated for laboratories and industry. Also suitable for liquids sterilization.

## Operating Principal

AE-DRY vertical range provides a single solution for the multiples sterilization needs on laboratories including instruments, hollowware elements, glassware and other laboratory items that need a final drying to avoid contamination.

Load has to be placed into the vessel's baskets and, after automatic filling with distilled water, device starts to heat up and purge until set temperature is reached. In case of solid objects, discharge is automatically forced during cooling stage to reduce cycle time.

**Digital Microprocessor** – Digital microprocessor for an easy programming and parameters selection for sterilization process.



**Programs** – Microprocessor has 10 programs, from P0 to P9, and the first four are pre-defined and protected.

Program N°	Temperature (°C)	Pressure (bar)	Sterilization time (min.)	Sterilization mode	Drying time (min.)
<b>P0</b>	115	0,6	60	SOLIDS-1	12
<b>P1</b>	121	1,1	30	SOLIDS-1	25
<b>P2</b>	133	2,1	20	SOLIDS-1	30
<b>P3</b>	121	1,1	20	LIQUIDS-1	-

The rest of the programs are user-defined with the following parameters setting:

- Sterilization temperature
- Sterilization time
- Drying time
- Heart probe selection

**Water Filling** – Pure water for sterilization can be added manually into the water pan. Automatic filling is also available by connecting the device to pure mains water.



## Sterilization Process

**Pre-vacuum and filling stage** – Integrated vacuum pump for initial pre-vacuum and subsequent automatic water filling.

**Heating Stage** – Fast saturated steam production by means of powerful heating elements.

**Sterilization Control** – A PT-100 temperature probe controls the chamber temperature, with the possibility of installing another flexible PT-100 temperature probe for liquid programs.

**Cooling and drying stage** – In solid program, discharge is automatically forced during cooling stage to reduce the cycle time. Then, integrated heating jacket together with pre-vacuum pulses is activated for a fast and intense drying.

**Security** – All safety standards are covered with safety valve, safety thermostat and safety pressure switch, door opening prevention system in case of overpressure, open door sensor and water level detector. EU Directive and Standards:

**2014/35/UE** *Low Voltage*

**2014/30/UE** *Electromagnetic Compatibility*

**2014/68/UE** *Pressure Equipment*

**EN-61010-1**

**EN-61010-2-040**

**EN-61326**

**AD 2000 Merkblatt**

## Communications and Documentation

**RS-232 Port** – For live monitoring of sterilization cycle directly to PC. It is needed the customized software SOFT-S7000W.

**Integrated Printer** – For quality printouts after each cycle. Intervals can be adjustable. Printer has to be requested before ordering.

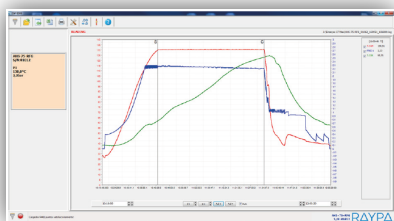


## Technical Data

REFERENC E	USEFUL CAPACITY (L)	Ø x H (cm)	FxAxH (cm)	TEMP. (°C)	MAX. PRESSUR E (bar)	POWER (W)	WEIG HT (Kg)	TIME (min.)
AE-28-DRY	28	30 x 40	56 x 51 x 112	100 - 134	2,1	3200	90	3 - 180
AE-50-DRY	50	30 x 70	56 x 51 x 130	100 - 134	2,1	3200	110	3 - 180
AE-75-DRY	75	40 x 60	73 x 62 x 119	100 - 134	2,1	6000	140	3 - 180
AE-110-DRY	110	40 x 85	73 x 63 x 144	100 - 134	2,1	6000	180	3 - 180
AE-150-DRY	150	50 x 75	85 x 76 x 140	100 - 134	2,1	9000	265	3 - 180

## Accessories

PC connection RS-232 (Ref. SOFT-S7000W)  
(Ref. IT)



Integrated Printer



Basket Crane (Ref. ELEV-CLAV)



Baskets (Ref. CV)

