

AL02-02-100

23 liter Fully-Automatic Vertical Autoclave

"Advantage-Lab autoclaves prove their quality all over the world. Reliable sterilization since generations."

Suitable for the sterilisation of

- Liquids such as nutrient media and buffer solutions
- Solid items such as pipettes, tubes and filters
- Glassware and plastic articles
- Waste sterilization



Fully-Automatic Benchtop autoclave

The Advantage-Lab fully-automatic autoclave features a **user friendly, microprocessor control system** which offers enhanced monitoring and control. The programs are designed to treat all load types including liquids, instruments and waste. **All programs are fully customizable** to suit the specific needs and requirements of the end user. The fully-automatic series is available in floor standing or bench top models and in chamber sizes from **23, 40, 62 & 85 liters**.

Process control is performed by a pressure switch. The control system includes a flexible **PT100 sensor** which is placed in a reference vessel, ensuring that the set sterilization temperature is actually attained when sterilization begins. Sterilization is initiated only when the load sensor reaches the preset required temperature. After sterilization is attained, the autoclave door cannot be opened immediately, but only after the liquid has properly cooled down. Advantage-Lab's cooling method prevents a sudden drop in chamber pressure which can cause liquids to boil over.

FEATURES:

- **Temperature and pressure are controlled through sensors.** Temperature sensor on a flexible cable, which can be used in chamber as well as inside liquid or media reference bottles
- **Pressure dependent door lock** - Prevents door opening when under pressure
- **6 individual programs** available
- **Sterilisation Parameters** - Temperature and time are freely selectable; Temperature can be set between 60 and 137° C. Sterilisation time can be set from 1-99 minutes. Pre-selected parameters remain programmed until altered
- **Temperature dependent door lock** – In conjunction with temperature control in a reference bottle, the system prevents the door from being opened until the temperature is below a specified level, thereby preventing delayed boiling (as specified by technical regulations, in compliance with European and International standards)
- **Water level safety device** - Prevents unit from being heated up if insufficient water is available for steam generation
- **Display of temperature, pressure and time** with a visible & acoustic alarm
- **The chamber is constructed of long lasting 316Ti grade stainless steel** with superior corrosion resistance.
- **The generator is made from stainless steel.**
- The autoclave automatically switches to **standby mode** if no buttons or switches are operated for four hours
- The autoclave is designed for **easy servicing** allowing maintenance access to all components

TECHNICAL SPECIFICATION

Model	AL02-02-100
Control Panel	Fully-automatic microprocessor controlled
Temperature °C	60 – 137
Temperature Working Range °C	105-137
Door	Top
Voltage (nominal +/- 10 %) 50/60Hz(V)	220 – 240 V
Pressure/Absolute Pressure	0-230 kPa / 0-330 kPa
Maximum Working Pressure	276 kPa or 2.81kg F/cm
Heating Performance	2.4 KW
Dimensions (W×L×H)	496×368×643 mm
Gross Weight	57 kg
Weight (empty)	48 kg
Water connection/ Reservoir	extern / no
Water quantity each Cycle	3000 ml
Colour	Cream white, stainless steel interior chamber

LOADING CAPACITY

Erlenmeyer	Nr. of bottles	Schott-Duran	Nr. of bottles
250 mL	2 x 5	250 mL	2 x 7
500 mL	2 x 4	500 mL	2 x 5
1000 mL	1	1000 mL	4
2000 mL	1	2000 mL	1
3000 mL	1	3000 mL	1
5000 mL	-	5000 mL	-

Code	N° of baskets	Description
AL02-02-150	1	Stainless steel wire basket, Ø 227mm x 350mm (height)
AL02-02-151	1-2	Stainless steel wire basket, Ø 227mm x 178mm (height)
AL02-02-152	1	Stainless steel closed basket, Ø 266mm x 350mm (height)



Built in Printer

The fully-automatic Advantage-Lab autoclaves can be supplied with a built-in printer to document the performed cycle, in addition to a comprehensive LCD display. This feature is optional.

OPTION

Code	Description
AL02-01-160	Built-in Printer for all automatic autoclaves

