

## AL02-04-100

### 23 liter Semi-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



#### Semi-Automatic vertical autoclave

Advantage-Lab's semi-automatic laboratory autoclave is an affordable sterilizer for laboratories that do not want to compromise on quality, safety and reliability and need to sterilize loads with low sensitivity.

The semi-automatic series is available in floor standing, vertical or bench top models and in chamber sizes from 23, 62 & 85 liters. Process control is performed by a pressure switch. The manual control system includes a timer that can be set to 1 - 99 minutes.

#### FEATURES:

- **Heat-resistant** plastic covering on lid Prevents contact with hot parts and protects from burning.
- **Pressure-dependent door lock** - Prevents the door from being opened when under pressure.
- **Door lock safety switch** - Prevents the sterilization program from being started if the door has not been closed properly.
- **Excess temperature safety device** - Switches off the heating elements if too high a temperature is attained.
- **Overpressure valve** - Releases over pressure in order to prevent high pressure risk.
- **Built-in Steam Generator Safety** - A water level monitoring system maintains a constant water level and ensures safe operation of the heaters
- **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	AL02-04-100
Control Panel	Semi-automatic; electro-mechanical control
Temperature °C	100 – 134
Temperature Working Range °C	105-134
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 / 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	-

**OPTIONS**

Code	N° of baskets	Description
AL02-04-150	1	Stainless steel wire basket, Ø 227mm x 350mm (height)
AL02-04-151	1-2	Stainless steel wire basket, Ø 227mm x 178mm (height)
AL02-04-152	1	Stainless steel closed basket, Ø 266mm x 350mm (height)

*Baskets for vertical autoclaves*