

## AL02-09-100

### 85 liter Semi Automatic Benchtop 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 Benchtop 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	AL02-09-100
Control Panel	Semi-automatic; electro-mechanical control
Temperature °C	100 - 134
Temperature Working Range °C	105 - 134
Door	Front
Voltage (nominal +/- 10 %) 50/60Hz(V)	380 – 400 V
Pressure/Absolute Pressure	0-230 kPa / 0-330 kPa
Maximum Working Pressure	276 kPa or 2.81kg F/cm
Heating Performance	4.8 KW
Dimensions (W×L×H)	660×875×525 mm
Gross Weight	116 kg
Weight (empty)	106 kg
Water connection/ Reservoir	no / 7,0 liter
Water quantity each Cycle	1000 ml
Colour	Cream white, stainless steel interior chamber

## LOADING CAPACITY

Erlenmeyer	Nr. of bottles	Schott-Duran	Nr. of bottles
250 mL	30	250 mL	37
500 mL	20	500 mL	28
1000 mL	12	1000 mL	18
2000 mL	6	2000 mL	10
3000 mL	4	5000 mL	4
5000 mL	-	10000 mL	-

## OPTIONS

Code	Description
AL02-09-150	Stainless steel wire basket, 225 x 260 x 680mm (H x W x D)
AL02-09-151	Stainless steel closed basket*, 200 x 260 x 680mm (H x W x D)



*Baskets for horizontal autoclaves*