

**Tuttnauer** Lab

Sterilization & Life Science Solutions

# T-Lab Eco

Affordable Performance and Trusted Reliability  
for your laboratory sterilization needs

LEADING IN  
STERILIZATION  
SINCE

1925

Laboratory



# The Economic Laboratory Autoclave From The World's Premium Manufacturer

## Vertical Autoclave



Economic Line



Reliable Performance



Minimal Laboratory Resource Consumption



**T-Lab Eco** was developed especially for educational institutions and research facilities. Designed with simplicity and economy in mind.

This vertical floor-standing autoclave covers the fundamental needs for general lab sterilization with the aim of increasing the **productivity** of your laboratory.

Offering high capacity, together with the **optimization** of resources such as water, power and operating time .

An affordable and reliable solution you can count on for managing your laboratory **workload**.

## Sterilization Application

Intended for the sterilization of a wide range of liquids and solids such as glassware, metal utensils and other laboratory items.

This reliable workhorse is ideal for the general laboratory in need of easy operation, safety and cycle features for day-to-day needs.

### LABORATORY APPLICATIONS



### SOLID, GLASSWARE LOADS



# Making Your Process Easier, Accurate and Affordable

Intuitive, user friendly technology, including color touchscreen and multiple programs for sterilization.

## Advantages Include:

### **Reliable Performance**

**This basic product will do what you need and expect**

- Solid and glassware loads
- Liquid loads
- Efficient sterilization time including cooling
- Two PT100 load sensors as standard

### **Affordable**

#### **Less is More**

- Built to last without paying for the features and parts you do not need

#### **Greater Value at Lower Cost**

Less water wasted, less electricity consumed, less time spent on maintenance and repair.

### **Safety**

#### **Meets U.S. Regulations**

- ASME standards

### **Plug & Play**

**This autoclave's plug and play mode does not require dedicated installation connections, simply a power source**

- Multicolor user-friendly touch screen
- Connectivity to local area network through ethernet port. \*Report generating R.P.C.R software is accessible through local network computer.
- Stores the last 999 cycles in built-in memory
- Portable - comes standard with lockable wheels

### **Versatile**

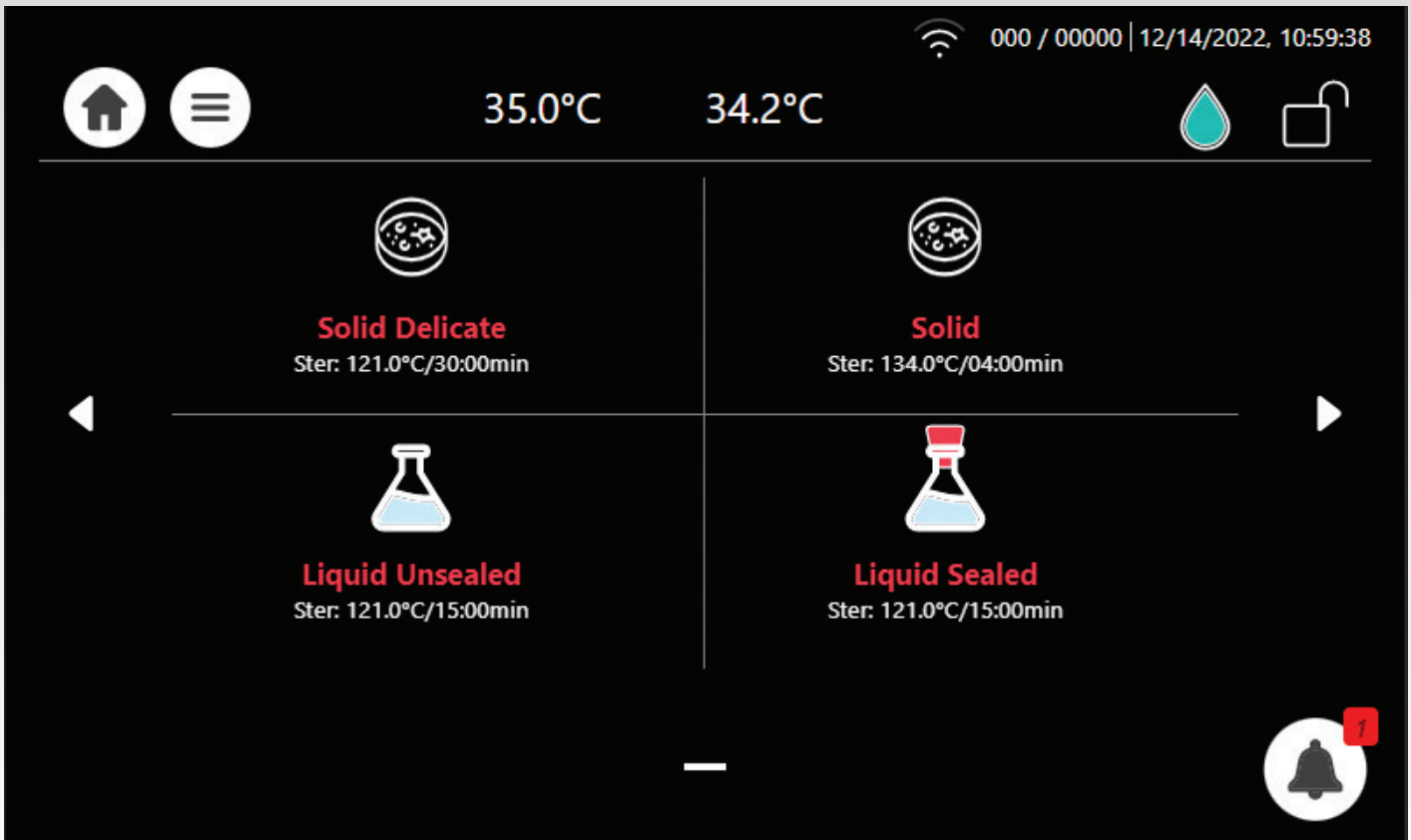
#### **Adaptable for All Your Basic Needs**

- Sterilizes liquids, solids, sealed and unsealed bottles
- Performance and quality within a small space
- Cylindrical autoclaves – easier to operate, less expensive to maintain, and more reliable over a longer working life





## EQUIPPED WITH UNPARALLELED FEATURES, UNIQUE TO T-LAB ECO

- Two PT100 sensors
- Built-in cooling fan
- High-resolution touchscreen
- Built-in memory: 999 cycles





## STERILIZATION PROGRAM

Cycle icon	Cycle name	Temperature	Sterilization time (minutes) V60	Sterilization time (minutes) V85	Load Type
	Liquid Sealed	121°C	15	15	Container with Liquid
	Liquid Unsealed	121°C	15	15	Container with Liquid
	Solid 134	134°C	4	4	Solid Load
	Solid 121	121°C	30	30	Solid Load

# LOADING CAPACITIES

ERLENMEYER FLASKS Size	V60 Total Units : #Unit x #Basket	V85 Total Units: #Unit x #Basket	BOTTLES / Schott Duran Size	V60 Total Units : #Unit x #Basket	V85 Total Units: #Unit x #Basket
<b>250 ml</b> Ø 85 x 143 mm	13 x 2	13 x 2	<b>250 ml</b> Ø 70 x 143 mm	19 x 2	19 x 2
<b>500 ml</b> Ø 105 x 183 mm	8 x 2	8 x 2	<b>500 ml</b> Ø 86 x 182 mm	12 x 2	12 x 2
<b>1000 ml</b> Ø 131 x 230 mm	5 x 2	5 x 2	<b>1000 ml</b> Ø 101 x 230 mm	8 x 2	8 x 2
<b>2000 ml</b> Ø 166 x 280 mm	3 x 1	3 x 1	<b>2000 ml</b> Ø 136 x 260 mm	4 x 1	4 x 1

\* Loading capacities in this table are for guidance purposes only.

\* Total units per basket have been calculated using International Standard Erlenmeyer Flasks and Schott Duran.



## Stainless Steel Wire Baskets

2 Stainless Steel wire baskets included



Stainless steel basket - Optional



Leakage tray - Optional



## Baskets dimensions

Specifications

V60

V85

Basket Ø × H (inches)

14.2" x 7.4"

14.2" x 11"

Pail Ø × H (inches)

13.7" x 12.6"

13.7" x 17.7"

Tray Ø × H (inches)

13.6" x 1.6"

13.6" x 1.6"

## Optional Thermal Printer

T-LAB Printer – Desktop Direct Thermal Bar Code Printer



### Technical Features

Resolution	8 dots/mm (203 DPI)
Overall Dimensions W × H × D (mm)	4.29" × 6.73" × 8.23"
Weight	2.65 lbs. (1.2 kg)
Label roll capacity	5 Inches (127 mm) OD
Memory	4 MB Flash memory   8 MB SDRAM   microSD card for flash memory expansion, up to 4 GB
Interface	RS-232   USB 2.0   Bluetooth (user option)
Accessories	Windows labelling software CD disk   External universal switching power supply

# TECHNICAL SPECIFICATIONS

Specifications	V60	V85
Chamber Volume (Litres)	60	85
Weight (lbs.)	244.7 lbs.	264.5 lbs.
Chamber Dimensions Ø × D (inches)	15.4"x19.9"	15.4"x27.6"
External Dimensions W×H×D (inches)	25.4"x38.8"x31.9"	25.4"x38.8"x31.9"
Shipping Dimensions W×H×D (inches)	32.3"x49.3"x35.5"	32.3"x49.3"x35.5"
Ratings	Voltage: 220-240 VAC Single Phase Power: 3000 W Amperage: 13.1 A	Voltage: 220-240 VAC Single Phase Power: 5400 W Amperage: 22.3 A
Wastewater tank	3 Litres	3 Litres
Cooling water tank	6 Litres	6 Litres
Maximum Allowable Working Pressure	40.6 psi	40.6 psi





# Your lab infection control success is backed with 95 years of global leadership experience

A leader in infection prevention

since  
**1925**

Products distributed to clinics, hospitals, and research institutions in more than

**140**  
countries

Laboratory

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