



**Laboratory Equipment Pty Ltd**

# **INSTRUCTION MANUAL**

**Steam Steriliser**  
**MODELS: SS1 / SS2**



## **Introduction**

Congratulations on the choice of an Australian made quality product. Labec products are manufactured, tested and calibrated to meet published standard specifications under our strict quality assurance guidelines.

This Instruction Manual is for the guidance of operators of Labec Steam Steriliser and should be read before the Steriliser is connected to the electricity supply.

It is hoped that this manual will supply all the information that the customer should require for satisfactory operation of the Steriliser. If, however, there are any questions that remain unanswered then the customer should contact our Service Department.

## **Unpacking**

Remove all packing and protective wrapping from both interior and exterior of the steam steriliser. Check the steam steriliser for any possible transit damage. Ensure all ordered accessories are present. If any physical damage or shortages are evident, do not discard the packaging material until the steam steriliser is inspected by the distributor, agent or manufacturer.

*NOTE: All claims for shortage or damage must be made within fourteen days (14) from delivery.*

Subject to our standard published conditions of sale, we have reasonable grounds to believe that we have ensured, so far as is reasonably practical, that the products listed in our catalogue and brochures have been designed and constructed so as to be safe and without risk to health when properly installed and used in their environment by appropriate and trained personnel, and where applicable, in accordance with our published instructions.

## **Installation**

### **Electrical**

**This equipment must be tagged and tested according to AS/NZS3760:2010 prior to use and thereafter every 6 months dependent upon the environment.**

It is preferable to locate the steam steriliser close to a power point and recommended that double adaptors are not used. Check the total wattage if connecting to multipoint outlets. Check the rating plate for power requirements. Installation is to be carried out by a qualified electrician in accordance with the power requirements of the product specifications.

### **Location**

Select a location free from draught and away from direct sunlight or other heat source.

### **Heating**

Heating of the steriliser is by means of inconel elements located in water at the base of the steriliser.

### **Description of Controls**

Set the heating level on the simmerstat by turning the knob clockwise, a heater light will illuminate when power is being supplied to the elements.

### **Safety Cut Out**

If the steam steriliser is fitted with a manual reset button, be sure this is depressed before use. If the water level is too low or runs out the switch will pop out and turn the heaters off until the reset is depressed.

**Caution**

Please observe the following safety measures before using your LABEC equipment.

1. These steam sterilisers are **NOT FLAME PROOF** and under no circumstances should inflammable, combustible or explosive material be placed in the steam steriliser.
2. Low ignition temperature materials and those materials which give off inflammable or explosive vapors should not be placed in the steam steriliser.
3. Avoid heating substances which give off corrosive vapor.
4. Users are advised of the dangers of heating combustible materials. The manufacturer can recommend special types of elements which will prohibit the steam sterilisers temperature reaching known ignition points.
5. Observe those rules pertaining to wiring and installation of electrical appliances as recommended by the local supply authority.

**WARNING**

It is detrimental for any of the substances listed below to be inside this equipment. The interior of the steam steriliser may be damaged if exposed to any of them. Corrosion of the stainless steel and other surfaces will be directly attributable to the presence of one or more of these substances and will not be a defect or failure for which the manufacturer will accept responsibility.

	SALT	ACIDS	MISCELLANEOUS
ORGANIC SUBSTANCES			
ALKAFORM	AMMONIUM BROMIDE	ACETIC	BROMIDE
ANAESTHESIA	AMMONIUM CHLORIDE	BORIC	CHLORINE
CARBON	CALCIUM CHLORIDE	CARBOLIC (PHENOL)	FLUORINE
TETRACHLORIDE	CALCIUM HYPOCHLORITE	CHROMIC	IODINE
FORMALDEHYDE	FERRIC CHLORIDE	HYDROCYAIC	SULPHUR DIOXIDE
LYSOL(CRESOLS ETC)	HYDROGEN PEROXIDE	NITRIC	
TRICHLORETHYLENE	MAGNESIUM CHLORIDE	OXALIC	
	MERCURIC CHLORIDE	HYDROCHLORIC	
	POTASSIUM CHLORIDE	PHOSPORIC	
	POTASSIUM HYPOCHLORITE	SULPHURIC	

	POTASSIUM HYPOCHLORITE	SULPHUROUS	
	SODIUM CHLORIDE	TARTARIC	
	SODIUM HYPOCHLORITE		

### Operation

1. Connect the steriliser to an alternating current supply of voltage specified on the rating plate.

**DANGER: THIS STEAM STERILISER MUST NOT BE CONNECTED TO A DIRECT POWER SUPPLY**

2. Turn the simmerstat up as required and switch the MAINS on and check the indicating lamp is illuminated.
3. An indicating lamp next to the simmerstat will illuminate when the heaters are operating.

### Maintenance

The cabinet is finished with stainless steel and to maintain appearance should be wiped over with a non abrasive cleanser.

The interior is also stainless steel and may be cleaned with a solvent.

The false bottom can be removed to allow cleaning around the element and controller sensor.

A fixed gabled lid is fitted and the hinge on the back should be kept clean and free from foreign objects to maintain easy opening.

### Troubleshooting

SYMPTON	REMEDY
No Power  (Indicator Light is off)	<ol style="list-style-type: none"> <li>1. Check steriliser is plugged in and power switched on.</li> <li>2. Ensure mains power supply point is functioning by using a test appliance on power socket.</li> <li>3. Check internal RCD has not tripped.</li> </ol>
Failure to heat or maintain temperature  (Indicator light is on)	<ol style="list-style-type: none"> <li>1. Ensure simmerstat is turned on</li> <li>2. Ensure the manual reset button is depressed.</li> </ol>

If the fault cannot be found call your distributor or the manufacturer quoting the serial number of the steam steriliser from the manufacturers label.

### Declaration of Conformity

Each product is thoroughly inspected and tested to not only ensure that it meets the specifications provided, but to also meet Australian Electrical Standard AS3820 and EMC Standard AS/NZ1044:1995, and therefore being accredited with a C Tick label.