Instruction Manual
E118



icanCLAVE

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Thank you for choosing our steam sterilizers.
Prior to operating this instrument, please read the operations manual carefully and follow all installation instructions.



Caution: Be sure connect the exhaust tube and discharge container before start the sterilizer.

Instruction Manual
STE-18-E

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Subject to technical changes

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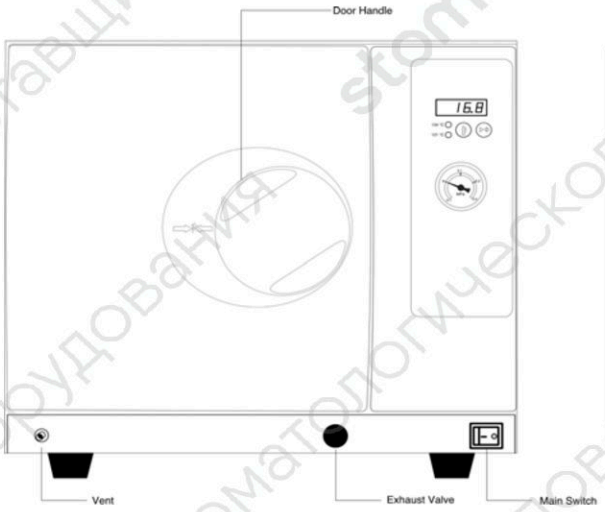
Technical Specifications

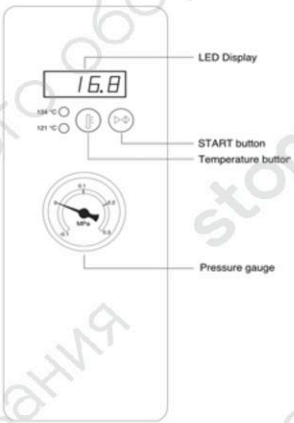
Specifications		
Model Number	STE-18-E	
Electrical supply	220-240 VAC	110-100 VAC
Chamber (mm, diameter/depth)	Ø230×360 mm	
Power (VA)	1100 VAC	
Sterilization temperature (℃)	121 °C	134 °C
Overall dimensions (mm)	605 (width)x445(height)x400(depth)	
Net weight (kg)	30 kg	
Sterilization time	121 °C	30 min.
	134 °C	10 min.

Packing content

Sterilizer	1
Rack	1
Trays holder	1
Trays	2
Exhaust tube	2
Dorr adjustment wrench	1

Description





Installation

- Position the device on a plane surface with minimum capacity 60 Kg.
- The sterilizer should be placed on a level worktable.
- Improper water level in the chamber could cause a sterilizer malfunction.
- Leave at least 10 cm between the device rear part and the wall. The clearance required to open the door is 40cm.
- Position the autoclave at such a height as to make it possible for the operator to check the whole sterilization chamber and carry out the normal cleaning operations.
- The room where the device is installed must have sufficient ventilation.
- Do not install the autoclave near washing basins, taps, etc. where it is likely to be splashed.
- Do not install the sterilizer nearby a heat source.
- Do not lean on the door when it is opened.
- Do not place trays, papers, fluid containers, etc. on the sterilizer.
- Check the label on back panel of sterilizer to verify voltage rating for the unit. Failure to connect the autoclave to an appropriate power supply could result in damage to the unit, and electrical shock to personnel.
- Plug power cord into a properly polarized and grounded receptacle rated. A dedicated circuit only used for the sterilizer is recommended.

Setup

Open the door and remove all the inner contents for unpacking.
Connect the power cord to an outlet of the appropriate voltage. (See installation).
Connect the draining tube to the vent and the end of the draining tube is fixed into the discharge container (preferably a metal container; if it is a plastic container, make sure that the container is filled with a part of cold water to prevent high temperature deformation).
To power on, press the main switch, the machine turns on the LED.
Note: If the door is open, the display will show “do”; When the door is closed, the display will show “Ld”.

Preparation of sterilization materials

For the most effective sterilization and to preserve the sample, please follow below:

- Clean instruments immediately after use.
- Treat the instruments by ultrasonic cleaner.
- Residual chemicals left over after cleaning and disinfecting process may damage and corrode parts of the autoclave, always rinse off the instruments using distilled water.
- Follow instrument manufacturer’s guidelines and recommendations for handling and cleaning instruments prior to sterilization.
- Check the manufacturer’ s instructions as to the proper procedure for sterilizing of each item.
- Arrange the samples of different materials on different trays or with at least 3cm of space between them.
- Clean and dry instruments thoroughly before placing them into tray.

Operation

Close the exhaust valve by turning it clockwise to the maximum position.
Fill with the chamber with distilled water (or deionized water).

Select the program temperature.
After selecting program, the materials to be sterilized can now be placed on the tray placed inside the

chamber using the tray handle.
After the instruments are loaded, you may close the chamber door. The display will show the current internal temperature.
Caution: You must turn the door handle to the maximum position.

Start the sterilization program.

After the Start button is pressed, the sterilizers will begin the cycle automatically.

Note:
The draining tube must be always connected to the vent and the end of the draining tube must be fixed into the discharge container.

End of cycle

After the sterilization is complete, you will hear a beep and the screen will show “End”.
Then you can open the door to remove the sterilized items.

Note:
After the screen shows End, if the gauge is pointer different than 0 bar, do not open the door until it down to zero-scale position.

Note:
After each cycle check the water level of the chamber.

Program	Type	Max. Load (kg)	Max. Load per tray (kg)
121 °C / 134 °C	Unwrapped solid material	2.4	1.2

Error codes

Code	Description	Proposed solution
E1	Heater overheating	Check the water level in the chamber. Check the Thermostat
E2	Chamber overheating	Check temperature sensor connection.
E4	Heating overtime	Somewhere is leaking. Check the door seal. Heater malfunction.
E6	During operation, the door has been opened or the door micro switch is damaged.	Confirm that the door handle has been closed to the maximum position. Check or replace the door micro switch

Maintenance

Frequency	Maintenance Operation
Monthly	Clean the door seal.
Weekly	Clean the chamber, the trays and the rack.
Every Year	Replace the door seal.

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Clean Chamber, Trays, Door Seal, chamber filter and Tray Rack.

Remove the trays and tray rack from the chamber. Clean trays, rack and inside of chamber with mild soap.
Rinse the trays, rack and inside of chamber with a smooth cloth and distilled water.
Examine gaskets for possible damage.
Clean gasket and mating surfaces with a damp cloth.

Note: Do not use bleaching agents or any abrasive materials / substances in chamber. Failure to comply may result in damage to the chamber and/or other components.

Caution: To prevent burns, allow unit to cool before cleaning gaskets and mating surfaces.

Door adjustment

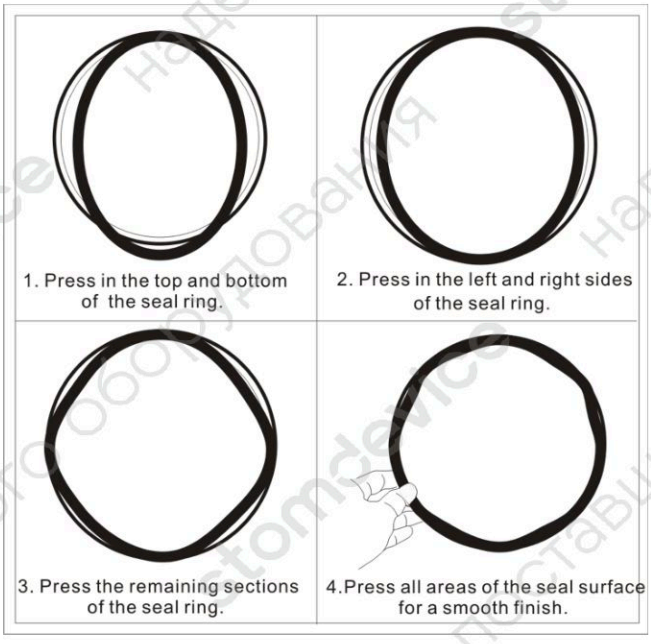
Under normal circumstances the chamber door does not require adjustments. However, if the seal fails (resulting in steam leaking from the front of the chamber), you may use the spanner tool to tighten the door seal.

Open the door and Insert the spanner tool in the gap beneath the plastic cover; use the spanner to grip the adjusting nut.
Turn the nut counter clockwise. This will tighten the sealing plate.
Turn the nut until the sealing plate is tight. If the door knob is too tight, you may also turn the nut clockwise to loosen it.

Replacement of the door seal

Open the chamber door. Remove the door seal ring carefully by hand.
Clean the door seal ring carefully with a smooth cloth with distilled water.
Moisten the new seal with medical disinfectant or isopropyl alcohol.
Insert the new seal and press in sequence as follows:

Caution: Please ensure the chamber and the door have cooled prior to replacing the seal ring.



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