



**AUTOCLAVES ALUMINIUM
WINGED NUTS TYPE**



**AUTOCLAVES
STAINLESS STEEL
WINGED NUTS TYPE**

WING NUT TYPE AUTOCLAVE

(Manual & Semi-Automatic)

USER MANUAL - 2019



WESTERN SURGICAL

Western Surgical AN ISO 9001 : 2008 & ISO 13485 : 2015 AC 2012 CERTIFIED COMPANY

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WING NUT TYPE AUTOCLAVE (Manual & Semi-Automatic)

INSTALLATION & STEPS to USE

1. Open the steam Release Valve Knob on the top of the Lid and open the Lid by the **6 Wing Nut in anti clock were to open the autoclave**. Unfasten two nuts at the same time both of opposite direction.
2. Fill the water in the body till the upper level of the inner stainless steel stand, make sure that the heating element should completely dipped in water.
3. Place the sterilization drum with ventilation holes open inside the autoclave on the inner stand (stand should not touch the element)
4. Check the rubber gasket is in good condition and should be placed well.
5. Tighten the lid by pressing it a bit and fastening the Nuts. Fasten two nuts at the same time both should be in opposite direction.
6. Tightly close the steam release valve and connect the cord connector to the element and the 3-pin plug to the Power socket and Switch on the power. (In case of **mechanical timer** model of Autoclave, rotate the time knob up to 50-60 minutes according to the need conditions)
7. After few minutes (depends on weather and water temperature) pressure and temperature inside the autoclave rises.
8. When pressure reached 15 to 18 PSI, the pressure regulating device will start releasing the pressure slowly and steadily making a hissing sound. (In case of **Mechanical timer** model of Autoclave, the power supply to the autoclave will automatically cut off)
9. After 20-25 minutes switch off the main power supply and open the Steam release valve carefully.
10. Make sure that steam should completely escapes from the autoclave (don't open the lid forcefully)
11. After 10 minutes remove the lid and pull out the sterilization drum from the autoclave.
12. Close the ventilation holes of the sterilization drum in order to keep the material sterilized.
13. Dry the autoclave & then close it.

PINTS TO REMEMBER

- At the time of closing and opening the Autoclave make sure that the steam release valve should be open, don't open the lid forcefully.
- Regulating Device and Safety Valve (both weights) are preset at required pressures; don't add any extra weights to them to increase their working pressure.
- Surrounding conditions might effect the time required for sterilization cycle.
- To avoid burning of element, connector and 3 pin plug check and tighten their screws and pins from time to time.

INSTRUCTIONS

- I. Never operate the autoclave without water or with insufficient water. It could damage the autoclave. The safety devices fitted are designed to work on steam and thus would not protect autoclave unit from damage in such case.
- II. During the sterilization cycle if the needle indicating the pressure in the pressure gauge enters the red zone or reaches 20 PSI or if the steam is releasing from safety valves or gasket or form anywhere, it indicates danger. **The power supply should be immediately shut down.**
- III. Follow the directions strictly, the Autoclave unit is designed to be used for sterilization of surgical goods and should not be used for any other purpose.
- IV. Clean the autoclave with water and disinfectants, clean the unit both from inside and outside regularly (never use ash, chemical or any abrasives).
- V. Avoid using hard water as it reduces the life of the autoclave and increases the energy consumption.
- VI. The rubber gasket should be in good shape and condition, it can be stretched lightly for adjustment, Replace it when required with (at least once in a year)
- VII. When the unit is non-operative the pressure gauge should indicate 0 (zero) pressure.
- VIII. Handle the unit carefully and with soft hands, rough and improper handling might result in problematic or even damaged autoclave. When the lid is removed from the units keep it in the upright position on a leveled surface.
- IX. Never leave water in the unit after sterilization is finished, make sure that water does not enter any electrical components, if water is left in the unit it might lead to leakage and could also damage it.
- X. Clean the holes of vents, pressure gauge and steam release valve.
- XI. In case of **mechanical timer** model of Autoclave, if there is regular supply of power or no supply of power contact your Authorized dealer.

* Carrying Warranty at Rajkot Office only on site warranty not provided free of cost.

* Due to constant upgradation design, price and features are subject to change any time without prior notice.



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XII. In case of any problems in the unit stop using the unit and contact your Authorized dealer, our technicians only should carry out servicing or repair works.

XIII. Always use genuine spare parts.

STEPS TO FIT THE 6 KNOBS OF THE AUTOCLAVES.

- 1) Remove the screws and spring washers from the mounting strip of the handle fitted in the autoclave. Rotate the screw anti-clockwise to loosen it using a screw-driver. There is screw for each handle.
- 2) Place the Handle on the mounting strip according to the Fig.1 given below; insert the screws inside the holes of the handle. Tighten all the screws to fit the handle.

CLEANING OF AUTOCLAVE (FOR SAFER & PROPER FUNCTIONING)

1. **STEP-1** Place the lid of the autoclave on a flat surface in the upright position as shown in the adjacent picture. If the lid is hot, let it first cool down before starting the cleaning process.
2. **STEP-2** Pull the weights upwards as shown in the picture to separate the weight from its vent pipe fitted on the lid.
3. **STEP-3** The adjacent picture shows the dissected (internal) drawing of the vent pipe on which the weights is fitted. There is a hoe through the vent pipes for release of steam. Clean the holes of the vent pipes with some thin wire, check if the holes is properly opened by blowing air inside the vent pipes with your mouth, make sure the vent pipes is cleaned thoroughly.
4. **STEP-4** After cleaning the vent pipes, also check the weights from inside; remove the dirt from inside also. Place the weights back on the vent pipes and push it downwards as shown in the adjacent picture.
5. **STEP-5** The weights gets fitted back on its vent pipes, also make sure that the weights should not be very easily removable form & replaceble on the vent pipes. If you don't need to apply any force to remove and replace the weights on its vent pipes, it indicates that the spring system of the weights is not working properly and you need to contact your nearest Authorized dealer for the required repairs.

WARRANTY : The warranty is limited to twelve (12) months from the date of original Purchase to the user, whether or not actual use begins on that date only against manufacturing defects.

Terms & Conditions

1. The Customer's acceptance of delivery of he Goods shall be conclusive evidence that the Consumer has examined the Goods and found them to be complete and in good condition, in accordance with the description on the sales order or as agreed in writing between the parties.
2. Manufacture obligations under this warranty are limited to repair, at its manufacturing facility, of any part or parts of its Manufacturer products which prove to be defective, or in its sole discretion, replacement of such products.
3. Authorized returns must be shipped prepaid
4. The warranty provided herein does not cover charges for labor costs in the troubleshooting, repair, removal, installation, service or handing of parts or complete products.
5. The warranty will be treated as void in the following cases :
 - a) The product is not installed according to the manufacture's printed instructions.
 - b) Manufacturer is not responsible for damages to the Autoclave resulted by Hard Water or Usage of Oil.
 - c) If there is any tampering with any part of the product or there is usage of any non-genuine part.
 - d) Any claims under the warranty must be intimated to the manufacturer with in 10 days from the date of defect.
 - e) Warranty does not apply on any damages during shipment or wrong installation
 - f) If repairs or services done by anyone other than Authorized Manufacturer or its dealer.
6. The warranty provided herein is for repair or replacement only. Manufacturer shall not be liable for any loss, cost, incidental, consequential, exemplary, special, or punitive damages.
7. In any case will Manufacturer e liable for any amount greater than the purchase price of a defective products.
8. The Gasket and heating Element are not covered under this warranty.

THIS WARRANTY IS SOLE AND EXCLUSIVE WARRANTY FOR MANUFACTURER PRODUCTS, AND IS IN LIEU OF ALL OTHER EXPRESS AND IMPLIED WARRANTIES. MANUFACTURER CORPORATION SPECIFICALLY DISCLAIMS ALL OTHER EXPRESS AND IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

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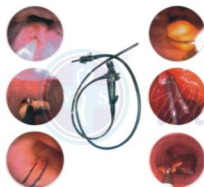
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OUR OTHER PRODUCTS RANGE



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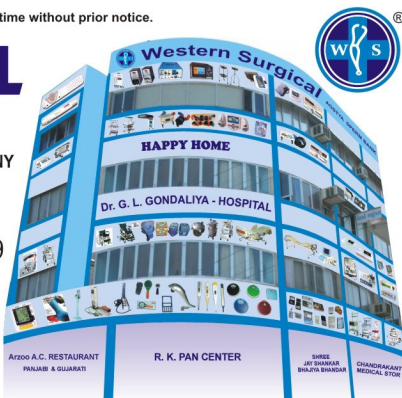
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