



Western Surgical®

12X12 / 12X21" / 12X27 / 12X35"

AUTOCLAVE MACHINE

USER'S MANUAL



www.westernsurgical.in

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Email : info@westernsurgical.in

Ph. : +91-281-2232871 / 2243159



Autoclave Machine 12X12 / 12X21" / 12X27 / 12X35"

SINGLE CHEMBER "V" NETT AUTOCLAVE UNIT SIZE 12"X27"

- Electrically Non electrically operated single chamber Autoclave (steam) Unit.
- Sterilize by water steam.
- Working Capacity : 0-30 PSI (lb/in² Kg/cm²)
- Total Container Capacity : 0 - 30 PSI

POSSIBLE STEAM STERILIZE ITEM :

Surgical Instruments, Dressing materials, Injection liquids, Lenen by means of steam under pressure of 15 - 20 PSI (Adjustable)

Technical Specification : - 121°C to 126°C

ELECTRICAL LOAD (SINGLE PHASE) :

250 volts, A.C. 2.0 KW. Kettle element ISI 2000'W Heater / 3000'W Heater.

FEATURES :

Our Autoclave made of Lid and container with six wing nut closing system.

* Carrying Warranty at Rajkot 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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LID

LID is made of L.M. 25 Alloy metal and stainless steel top with fitted Handle, Pressure Gauge, Whistle valve, Dead Valve (Safety) and steam Exhaust valve.

- A. LID Handle :
Handle with attach stainless steel stud and Brass insert Backlight material.
- B. Pressure Gauge :
Dial size 51mm
Case Drawn steel case with powder coating paint.
Cover ring chrome plated.
Bourdon Tube Phosphor bronze/ Brass Tube.
Dial Aluminum white back and black & red Printing.
Window Glass
Therd 1/8" BSP
Capacity 0 to 30 PSI
- C. Whistle Valve :
Made of 1" Brass rod, spindle caps backlight and adjustable return stop. (Steam maintain Valve)
- D. Dead Valve (Safety) :
It is made of 1" Brass rod full free moveable for safety first.
- E. Steam Exhaust Valve :
Made of 5/8 Hex and spindle cape backlight for open lead is necessary to release steam.

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CONTAINER :

Container is made of Alloy Metal 25 L.M. ring stainless steel cell, bottom and six wing nut for closing and gasket (Rubber ring) and side handle.

A. Gasket (Rubber Ring) & (Silicon Ring) :

It is made of natural material. It is used to tight top Lid between containers.

B. Stainless Steel Cell :

This cell is made of stainless steel 304 grade 1.2 thickness sheets. O.D. 12" x 28" Length.

C2. LM 25 :**CHEMICAL COMPOSITION (%) A**

1490	Cu	Mg	SI	Fe	Mn	NI	Zn	Pb	Sn	TI
LM25	0.1	0.20-0.45	6.5-7.5	0.5	0.3	0.1	0.1	0.1	0.05	0.2b

D. Wing nut (Key) :

Wing nut is made of same material with fitted backlight round knob and M.S. Stud of 3/8" thred x2" Length chrome plated.

E. Bottom :

It is made of stainless steel 304 grade and 1.2 thicknesses as necessary.

F. Side Handle :

Side handle is fitted with container Gunmetal ring. This handle is made to pick up autoclave when whole autoclave is heated.

Accessories :

1. Stainless steel made in square stand of 6mm round.

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Technical Specification :

Each PSI rises the Autoclave Temperature by 1°C Approximately

Pressure (In PSI)	Temperature (In °C)	Pressure (In PSI)	Temperature (In °C)	Pressure (In PSI)	Temperature (In °C)
0	100	11	116.4	22	127.8
1	101.9	12	117.6	23	128.7
2	103.6	13	118.8	24	129.6
3	105.3	14	119.9	25	130.4
4	106.6	15	121.0	26	131.3
5	108.4	16	122.0	27	132.1
6	109.8	17	123.0	28	132.9
7	111.3	18	124.1	29	133.7
8	112.6	19	125.0	30	134.5
9	113.9	20	126.0		
10	115.2	21	126.0		

PECIFICATION TO STERILIZE DIFFERENT ITESMS :

ITEM TO BE STERILIZE	TIME TO STERILIZE (IN MINUTE)	TEMPERATURE (IN °C)
Rubber Gloves	15-30	121.0
Dressing Lenen	15-30	121.0 - 126.0
Instruments	15-30	121.0 - 126.0
Bottle Solution (Injection Liquit)	15-30	121.0 - 126.0

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INSTRUCTIONS FOR AUTOCLAVE USE

Size : 12x12, 12x20, 12x27, 12x35

1. Fill the water in the bottom of the sterilizer ensure that it is atleast 3 inches above the heater coil and below the level of the stand.
2. Place the dressing drums & other artzicles to be sterilized in the autoclave.
3. Put the lid over the autoclave.
4. Tighten all locking nuts with equal pressure.
5. Put the plug in the 15 AMP. Electrical Socket and put the switch "ON".
6. Close the exhaust valve.
7. Once the pressure gauge indicates 2 PSI pressure open the exhaust valve and keep open until the pressure decreases to 0 PSI. close it again immediately.
8. Once the pressure indicated on the pressure gauge reaches 15 PSI the spring-loaded safety valve will release the excess pressure.
9. From this point onwards allow 15 minutes for instrument etc. and 20 minutes for linen. During this phase the safety valve will periodically remove the excess steam pressure that is built up
10. After the requisite period is over shut "OFF" the switch for the heating element.
11. After the exhaust valve until pressure gauge reads " ZERO" PSI. Then close the valve again. Ensure that the valve is not opened fully and that the decrease in pressure is very slow and gradual. Very fast release of pressure will cause water to enter the sterilized material.
12. After another 5-10 minutes have passed unlock the locking nuts and open the lid. Place the lid in avertical position. Do not place it flat on the ground any other surface.
13. Remove the sterilized drums.
14. If it is not to be used immediately again then remove the excess water and clean it with a clean cloth to protect it from scaling.
15. Electrical specification : 220 - Single Phase.

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ઓટોકલેવ ને ઉપયોગ કરવાની અગત્યની સૂચના

Size : 12x12, 12x20, 12x27, 12x35

પાણી ડીસ્ટીલ વોટર (પાણી) વાપરવું જરૂરી છે. કોઈલ કુબવી જરૂરી છે.

આસીવાય વરસાદનું પાણી સંગ્રહ કરીને ઓટોકલેવીંગ કરવામાં ઉપયોગમાં લેવું

ઓટોકલેવ ચાલું કર્યા પછી પાંચ મીનીટ ચાલુ રાખવું ત્યાર બાદ ડ્રમ મૂકવા ને ઢાંકણા ને સામસામે નોબ ફીટ કરસો તથા એર રીલીઝ વાલ ખુલો રાખશો.

ડ્રમ મૂકીને 20/25 મીનીટ પછી પ્રેસર આપશો.

સીટી વાગ્યા પછી 15 થી 20 મીનીટ રાખવું જરૂરી છે. આરીતે ન કરો તો 5/7 સીટી વગાડવી જરૂરી છે.

ઓટોકલેવ માંથી પાણી ઉપયોગ પતી ગયા પછી ખાલી કરવું ખાસ જરૂરી છે.

વાયરીંગ 3/20/7/20 કરાવવું તથા M.C.B. સ્વીચ ઓટોકલેવ રૂમમા લગાવવી.

એકઝોસ ફેન ની સુવીધા કરવી જરૂરી છે.

ઓટોકલેવ જોડે સ્પેરમાં નંગ-1-સીલીકોન રીંગ તથા વાઈસર સેટ મૂકેલ છે.

ચાલું કરતા પહેલા કોઈપણ વસ્તુની ખબર ન પડે તો ફોન કરવો 98250 69069 / 94280 03755/54 પર જાણ કરશો.

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Dt. 29-11-2013

Date of Installation	Installed By
Model No.	Serial No.
Warranty Period	
Name of Doctor & Address :	

Customer Sign. With Stamps

Marketed By: Western Surgical
Sign. With Stamps

No Claim Warranty :

- 1) Any Defect Throughtout Power Supply
- 2) Any Physical Damage
- 3) Under Warranty Standby Unit Not Provide
- 4) Under Warranty When Company Send Parts or Machine we Imidiat send to Buyer.

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