



Maintaining Nature

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S.No.	Internal Size (W x H x D)	Liter
1.	610 x 610 x 900 mm	335
2.	610 x 610 x 1220 mm	452
3.	610 x 910 x 1220 mm	675
4.	910 x 910 x 1220 mm	1010



WORKING CONDITIONS & TEST PRESSURES

	JACKET	CHAMBER
❖ Operating Pressure	2.2 KG/ CM ²	1.5 KG/ CM ²
❖ Hydro test Pressure	6.0 KG/ CM ²	3.0 KG/ CM ²
❖ Design Temperature	135 DEG.C	121 DEG.C – 134 DEG.C
❖ Vacuum	N. A	-700mmHg

- Sterilization Pre Program Cycle
- Leak Test Cycle
- Bowie & Dick Test Cycle
- Garment Program
- Instrument Program
- H.P.H.V. Teat Cycle

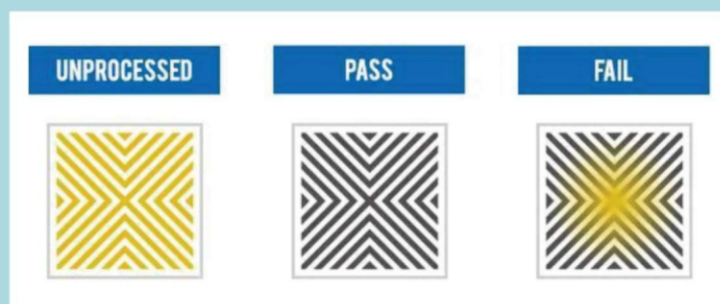
Test Programs

Vacuum Leak Test

Used to verify the integrity of the chamber under vacuum.

Bowie & Dick Test

To check the effectiveness fo the system to remove air and ability of steam to uniformly penetrate.



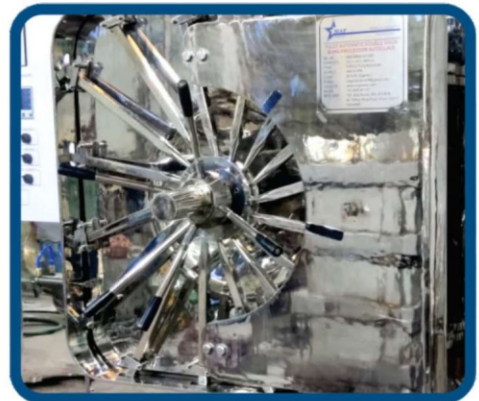
Inner Chamber



- ✦ Fabricated from AISI 316L with Full argon/arc welding.
- ✦ Chamber Surface will be polished to a finish of 0.4 Ra.
- ✦ Chamber is provided with round corners for easy cleaning and a 2% slope for full draining of the condensate.
- ✦ The compound gauges provided on the sterile and operating side allows the operator visual confirmation that the pressure is within the specified limits during the cycle operation.
- ✦ Doors are provided with high temperature resistant single piece silicone gasket for long life.

Door

- ✦ AISI 316L Center Locking Hinged Door
- ✦ Door lock cylinder will be provided for door safety.



Piping

Stainless steel, non-corrosive piping with inert gas welding for zero microbial contamination.



Vacuum System

High vacuum pump with mechanical seal for best air removal, which is so important for effective sterilization. Optionally "Go Green Systems for environment protection can be offered.



Valves

Hygienic design for best sterility specially constructed for high pressure and vacuum duty for unmatched safety and performance.



0.2 micro Bacteria Retentive Filters

0.2 micro filters ensures clean air intake after sterilization to safeguard the sterile integrity of your load.



Temperature and Pressure Sensor

Electronic, high response temperature and pressure sensors with very high accuracy of $\pm 0.10^{\circ}\text{C}$ and $\pm 0.002\text{kg/cm}$ is used for accurate and precise processing.



Flexible Handling Systems

Stainless steel pull out trays for fast and flexible loading. Quick Loading Carts and Floor Trolleys.



MAP INDUSTRIES has established itself nationally as a pioneer in innovative equipment and solution with a futuristic Vision in Pharmaceutical Companies, Laboratories & Hospital CSSD.

MAP : STEAM STERILIZER

CHAMBER SIZE (W x H x D)	610 x 610 x 900 mm	610 x 610 x 1220 mm	610 x 910 x 1220 mm	910 x 910 x 1220 mm
CHAMBER VOLUME (L)	335	452	675	1010
MODEL	MAP/REC/002H/335	MAP/REC/002H/452	MAP/REC/002H/675	MAP/REC/002H/1010
OVERALL DIMENSION	1250 X 2100 X 1400	1250 X 2100 X 1800	2500 X 2300 X 1800	3000 X 2300 X 1800
WORKING TEMP. 121°C/134°C	✓	✓	✓	✓

PHARMACEUTICAL CLIENTS



STERILIZATION MACHINES FOR PHARMA INDUSTRIES

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