STEAM STERILIZER

A highly safe sterilizing product with stable function, suitable for major hospitals, clinics and biochemical research laboratories etc.

MEDSOURCE CO., LTD.

TEL : +886 0909 025 203 +886 982 029 034
EMAIL : medsource@medsource.com.tw
medsource1688@medsource.com.tw
medsource.medsource@gmail.com

ISO9001 ISO13485 IEC61010-1 GMP

STEAM STERILIZER

Purpose:
The steam sterilizer is a highly safe sterilizing product with stable function, suitable for major hospitals, clinics and biochemical research laboratories etc., for the sterilization of instrument, cloth, glassware and liquid etc.

Designed of double-layers with inner and outer chamber for good drying efficiency, and totally made of stainless steel 304 # (316 # is optional). The outer layer uses thermal insulation wool for heat preservation, and then covered with 304 #stainless steel sheet for both functions of aesthetic appearance and heat preservation.

Stainless steel door with radial lever can effectively lock tight the door cover and prevent steam leakage.

Silicone door gasket is high- temperature resistant, durable, and without deformation.

The chamber body is supported by a stainless steel support, and the height of level can be adjusted from the adjustable footpad of support base.

Practical Sterilization Function:
1. Preset Vacuum Function is able to shorten the sterilization time.
2. Vacuum drying function is able to remove unwanted moisture quickly, and to reach the Bowie Dick test criteria.
3. Cloth / apparatus ⇆ glass / liquid, Sterilization Functional Switch Mode can be selected to switch according to different kinds of materials to be sterilized. When liquid sterilization, make sure liquid ingredient to avoid rust and corrosion occurred. For medicalt & chemical ingredient, physiological salt water etc. pls select stainless steel #316
4. Auto Water Supply Device: Electrical control system is able to detect and sense the water volume automatically. Upon insufficient water volume, it will supply to high water level automatically. Use equipment for soft water purification can prolong the life cycle of sterilizer.

Safety Devices:
1. Auto Power-Off Protection Device for water shortage, when water runs out, the electrical control system will automatically cut off the heating power to prevent heating device from overheating, dry-out or even meltdown. .
2. Pressure Controller, the maximum pressure in the boiler is limited to 2.2 ± 0.1kg/cm². When the pressure reaches the set value, the heating power will be automatically off to prevent the pressure from rising.
3. Safety Valve, when the pressure reaches 2.5kg/cm², it will start a rapid exhaust of steam and release the pressure from the chamber .
4. Pressure Lock, when the pressure of inner chamber exceeds 0.2kg/cm², the clutch will be locked automatically, and the door cover will not be able to open, in order to keep the operator safe.
5. Safety Switch of Door Cover, when the door cover opened, the steam in the outer chamber is unable to enter the inner chamber. It cannot be operated normally unless the door cover is closed tightly.

Simple Operation Interface:
1. Digital LED electronic timer is able to control the working hours of sterilization and drying precisely within the range of 0~99 minutes.
2. Digital LED electronic temperature controller is able to set the required working temperature quickly, and show the current temperature status of inner chamber. The highest setting temperature is 134°C (218.47 F°)
3. The pressure gauge of inner and outer chamber is able to clearly show the current working temperature status of interior of sterilizer.
4. The open and close of turning type door cover is easy for operation.

The highest sterilization temperature is 134°C(218.47 F°), and the pressure value for sterilization is able to reach 2.2kg/cm² (2.16 bar or 31.29psi).

Heating device with high power will take 20 minutes to complete sterilization under 121°C, or 15 minutes under 132°C.

Trail Cart is optional

The preparation steps for sterilization function shown as following:

Manual operation-
put the items to be sterilized inside, and close the door cover ► supply water manually ► set time ► turn on the power ► heating ► sterilization time completed ► exhaust steam manually ► set drying time ► completion

Automatic operation-
put the items to be sterilized inside, and close the door cover ► set temperature/time ► turn on the power/activate the switch ► supply water manually ► heating ► sterilizing ► steam exhaust for inner chamber ► drying ► completion

Fully-automatic operation-
put the items to be sterilized inside, and close the door cover ► set temperature/time ► turn on the power/activate the switch ► supply water automatically ► heating ► preset vacuum for 3 times ► sterilizing ► steam exhaust for inner chamber ► vacuum drying ► completion

Function list

Functions	Operating system		
	Manual drying function	Automatic drying function	Automatic and vacuum drying function
Steam exhaust valve outer chamber	Yes	Yes	Yes
Dry valve, inner chamber	Yes	Yes	Yes
Dry function	Manual	Auto	Auto
Sterilization function	Manual	Auto	Auto
Thermometer, inner chamber	Yes	N/A	N/A
Temperature controller	N/A	Yes	Yes
Timer	60Minutes x 1pcs	90Minutes x 2pcs	99Minutes x 2pcs
Safety valve	1pcs	1pcs	1pcs
Pre-heating function	Yes	Yes	Yes
Auto water filling	Optional	Optional	Yes
Vacuum drying (Pre-vacuum)	N/A	N/A	Yes
Glass & Liquid sterilization function	N/A	Optional	Yes
Low water Indication / cut-off	Yes	Yes	Yes
Water Level Control & Protection	Yes	Yes	Yes
Safety door lock activated by pressure	Optional	Optional	Optional
Chamber material stainless steel #316 (standard#304)	Optional	Optional	Optional
Trail cart	Optional	Optional	Optional
Stainless steel tray	1pcs	1pcs	1pcs

Model	External DIA L.W.H.(cm)	Chamber ØxD(cm)	Capacity (Liter)	Power Consumption(Kw)	Max Sterilization Temperature(°C)	N.W. (Kg)
TC-750A	190X106X205	75X120	530	24	134±2	695
TC-715A	180X106X205	75X115	508	24	134±2	675
TC-615A	201X90X189	60X150	424	24	134±2	630
TC-612A	179X90X189	60X120	339	18	134±2	498
TC-600A	159X90X189	60X100	283	13	134±2	457
TC-512A	171X80X184	50X120	235	12	134±2	452
TC-500A	151X80X184	50X100	196	12	134±2	430
TC-459A	135X73X175	45X95	150	10	134±2	292
TC-409A	139X66X173	40X90	113	9	134±2	192
TC-406A	120X66X173	40X66	83	9	134±2	172
TC-358A	127X60X172	35X80	77	7	134±2	168
TC-355A	117X60X172	35X65	63	7	134±2	154
TC-336A	117X57X172	33X66	56	7	134±2	137

AC 220V 1P, 220V 3P, 380V 3P, 50/60Hz (please specify when ordering)
TC-500, TC-612, TC-600, TC-615, TC-750 : 380V 3P phase only

AMPERE conversion formula
(1-phase → 3-phase) Wattage/ Voltage / 1.732=Amp for 3-phase