

FLOOR TYPE AUTOCLAVE 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

MEDSOURCE CO., LTD.

FLOOR TYPE AUTOCLAVE 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.

Indicator: Displays the processing status of the sterilization process according to its sequence when the machine is operating.

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 medical & 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 $2.2 \pm 0.1 \text{kg/cm}^2$ 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/cm^2 , 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/cm^2 , 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 temperature recorder can monitor and record the time and temperature during the whole process of sterilization
- 4.The pressure gauge of inner and outer chamber is able to clearly show the current working temperature status of interior of sterilizer.
- 5.The open and close of turning type door cover is easy for operation.
- 6.The highest sterilization temperature is 134°C (218.47°F), and the pressure value for sterilization is able to reach 2.2kg/cm^2 (2.16 bar or 31.29psi).



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

The preparation steps for sterilization function shown as following:

put the items to be sterilized inside, and close the door cover ▶ set mode (Cloth / apparatus / liquid) temperature/time ▶ turn on the power/activate the switch ▶ supply water automatically ▶ heating preset vacuum for 3 time ▶ sterilizing ▶ steam exhaust for inner chamber ▶ vacuum drying ▶ completion

Function	operating system	Automatic and vacuum drying function	Function	operating system	Automatic and vacuum drying function
Timer		99Minutes x 2pcs	Chamber Design		ASME STANDARD
steam exhaust valve outer chamber		YES	Chamber material stainless steel #304(standard#316)		Optional
Dry valve inner chamber		YES	Temperature Recorder		CAN BE OPTIONED
water Level Control & Protection		YES	Optional Accessories		ST.ST. BASKET TRANSPORTATION (TRAY x 2, FRAME x 1)
safety door lock activated by pressure		YES	standard Accessories		ST.ST. #304 TRAY x 1 pcs
Preheating function		YES	Construction		ST.ST. #304 HOUSING FRAME, DOOR, CHAMBER AND JACKET
Auto water filling		YES	control System		TEMPERATURE DISPLAY TEMPERATURE CONTROL SYSTEM
sterilization function		YES	Safety Device		PRESSURE PROTECTION SWITCH TEMPERATURE CONTROL SWITCH WATER LEVEL CONTROL SYSTEM LOW WATER INDICATION/CUT-OFF SAFETY VALVE, DOOR ALARM PRESSURE DOOR AUTO-LOCK Emergency off, EMO
Low water indication cut-off		YES	Life Time		7 YEARS
Pressure Control Switch		YES			
Temperature Control Switch		YES			
Pra-Vacuum Function		YES			
Dry-Vacuum Function		YES			
Glass & Liquid sterilization function		YES			
Using Temperature		$121^\circ\text{C} \sim 134^\circ\text{C}$ (1.1-2.2 kg/cm^2) (250 $^\circ\text{F} \sim 273^\circ\text{F}$) ADJUSTABLE			
Design Temperature		141°C			
Design Pressure		2.8kg/cm^2			

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

AC 220V 1P, 220V 3P, 380V 3P, 50/60Hz (please specify when ordering)
TC-500DA, TC-512DA, TC-600DA, TC-612DA, TC-615DA, TC-715DA, TC-750DA : 380V 3P phase only

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