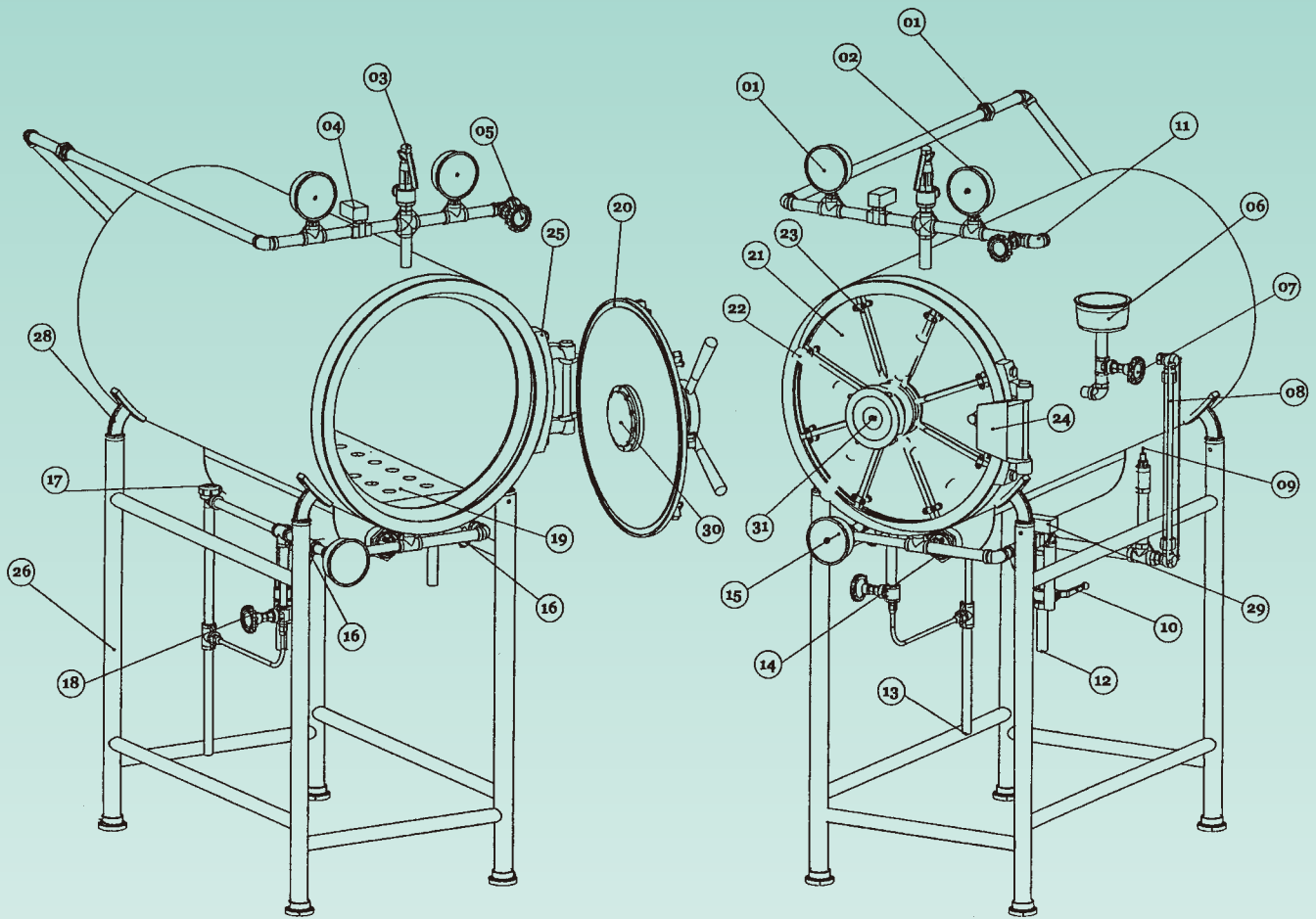


High Pressure Steam Sterilizer Autoclaves

- 40-years manufacturing experience.
- 15 months quality **WARRANTY**
- Inexpensive price that everyone can afford
- Excellent quality and after-sale services
- Spare parts **WARRANTY** forever.





No.	Description
1	Pressure gauge, Inner chamber
2	Pressure gauge, outer chamber
3	Safety valve
4	Sterilization valve, Manual drying
5	Solenoid valve, Automatic drying
6	Steam exhaust valve
7	Cup, water filling
8	Water filling valve
9	Water level tubing
10	Sensor, water level
11	Water drainage valve
12	Inlet, steam exhaust
13	Inlet to steam trap
14	Heater
15	Temperature gauge, inner chamber

No.	Description
16	"Y" type filter
17	Trap
18	Steam exhaust valve, inner chamber
19	Tray, stainless steel
20	Door gasket
21	Front door
22	Handles
23	Bar, door lock
24	Base, hinges
25	Hinges
26	Legs
27	Arm yoke
28	Solenoid, drying
29	Safety door lock, pressure
30	Control fastener, safety door lock

NOTE:

- Part No. 4, sterilization valve is available for Manual Drying only.
- Part No. 4, Solenoid vane is available for Automatic drying only.
- Part No. 30 is available for Safety Door Lock activated by Pressure.
- Optional for :
 - Safety Door Lock by pressure
 - Automatic Water Filling
 - Vacuum Drying
- Specifications are subject to change without advanced notice.



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Yi Lien Company Ltd.**

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Specifications :

Model	TC-750		TC-612	TC-600	TC-500	TC-459	TC-409	TC-406	TC-339	TC-336
	TC-615									
Chamber (cm) Stainless steel	75 x 120 60 x 150		60 x 120	60 x 100	50 x 100	45 x 90	40 x 90	40 x 66	33 x 90	33 x 66
Capacity (liter)	530 L. 424 L.		339 L.	283 L.	196 L.	143 L.	113 L.	83 L.	77 L.	56 L.
Power Consumption	24 KW		18 KW	12 KW	10 KW	7 KW	6 KW	6 KW	5 KW	4 KW
220V	Phase	1 P 3 P	1 P 3 P	1 P 3 P	1 P 3 P	1 P 3 P	1 P 3 P	1 P 3 P	1 P 3 P	1 P 3 P
	Ampere	109A 63A	82A 47A	55A 32A	45A 26A	32A 18A	27A 16A	27A 16A	23A 13A	18A 10A
380V	Phase	3 P	3 P	3 P	3 P	3 P	3 P	3 P	3 P	3 P
	Ampere	36 A	27 A	18 A	15 A	11 A	9 A	9 A	8 A	6 A
Power source	220V or 380V your option. 220V is available for 1 phase or 3 phase (please specify when ordering) TC-500, TC-600, TC-612, TC-615, TC-750 are limited to 3 phase only.									
Material	All stainless steel #304. Double wall									
Working Temp	121 – 135°C at 1.2 – 2.2kg/cm ² (1.18 – 2.16 bar or 17.07 – 31.29 psi)									
Temp controller	Microprocessor control PID. Digital set and display for PV and SV									
Timer	Digital set and display for Sterilization and Drying, adjustable from 0 – 99 minutes									
Safety devices	Overheat protection, Low water level alarm & shutout, Safety Valve, Emergency Exhaust Valve									
Optional Functions	Automatic water filling + Pre-vacuum + Drying vacuum + automatic drying + Safety door lock									
Standard Accessory	Stainless steel Tray x 1 pc									

Suggested spare parts : Silicon door gasket, Heater, Solenoid valve, Pressure controller, Glass water tubing.

[All measures are approximated]

[specifications are subject to change without advanced notice]

Optional functions :

1. Automatic water filling :

When the water level in house of steam generator arrives the minimal level below, the built-in system will fill the water to the safe and working water level automatically.

2. Automatic Drying & Exhaust :

Set drying time and when the sterilization cycle is complete, the drying function will process automatically.

3. Safety door lock activated by pressure :

In order to prevent the personal injury by negligence accidentally, the door can't be opened when the pressure in interior chamber exceeds 0.2kgf/cm²

4. Pre-vacuum and drying vacuum :

Pre-vacuum to speed up the sterilization cycle.

Drying vacuum can exhaust the residue steam and water in the chamber, which can reach the requirement for BOWIE & DICK vacuum testing at 134°C for 4 minutes continuously.

40-Years Manufacturing Experience

Technical Data

- GEMMY autoclave has been designed with functions, reliability and safety in mind providing with efficient performances in sterilization environment. Ideal for sterilization of wrapped, unwrapped, liquid, surgical tools, metal, labwares etc. in hospital and laboratory clinics etc. Enter parameters then tip finger the keypad to complete the entire sterilization cycle.
 - **Double**-walled stainless steel SUS#304 chambers insulated with glass wool capable of preventing the heat emit efficiently. The door handle is well designed to prevent body burns. Optional for SUS#316 for interior chamber.
 - The working pressure has been preset in house preventing the possible hazard. No need to adjust anymore.
 - Provided with double pressure gauges easy for monitoring the working pressure for both interior and exterior chambers.
 - Temperature is adjustable from 121 – 134°C at 1.2kg/cm² and 2.2kg/cm² respectively.
 - Built-in microprocessor control system with digital display for SV and PV easy for reading.
 - Comes with 2 digital timers adjustable from 1 – 99 minutes. One is for sterilization and the other one is for drying function.
 - Sterilization timer starts working when the set temperature has stabilized.
 - Pre-heating is functioning when it has come to the fully automatic drying function.
 - Vacuum facility is optional to function the pre-vacuum before sterilization cycle and vacuum drying after sterilization cycle, ensures a perfect sterilization effect.
- **Safety devices** against pressure :
1. 「 Safety door lock activated by pressure 」 :
When pressure of interior chamber exceeds 0.2kgf/cm², door can't be opened.
 2. 「 Pressure controller 」 :
The pressure controller adjusts the pressure to the highest 2.4kgf/cm² below automatically.
Once the pressure exceeds 2.4kgf/cm², it will shut off the power immediately.
 3. 「 Safety Valve 」 :
When the pressure reaches 2.5kgf/cm², the safety valve will release the pressure automatically.
- Working temperature and pressure:
Wrapped/Unwrapped : 121 – 132°C at 1.2 – 2.0kg/cm²
Liquid : 121°C at 1.2kg/cm² (Applied to manual drying function only for safety purpose)
- Recommended temperature and timer set for sterilization:
Wrapped : 132°C, 30 minutes
Unwrapped : 132°C, 30 minutes
Liquid : 121°C, 15 minutes
- Heating time : 121°C in 30 minutes and 132°C in 35 minutes

The sterilization process is depicted as below for fully automatic drying control, automatic water filling and vacuum system working from start to the end :

Sterilizing Substances → Water Fill → Set Temp/Time → Pre-Heating → Pre-vacuum → Temp stabilized → Time counting → Sterilization → Exhaust → Dry Vacuum → Dry → Completion

NOTE: Distilled water, soft water or R.O. filtered water is recommended. We do not ensure any responsibility for any damage if user violates this regulation.