

# GI T >> SERIES AUTOCLAVE



## T Series:

New-generation Fully-automatic Autoclave

### Microcomputer control system

" SMART III" microcomputer control system is adopted to realize not only the intelligent controls of the sterilization process but also the classified management of instruments (user, administrator and engineer three levels included ). As a result, we can guarantee satisfactory use and management of autoclaves.

### Multilayered pressure protection system

Our patented pressure interlocking device can automatically sense the pressure in the sterilization chamber and tightly locked, which effectively prevent personal injuries caused by spraying steams arising from misoperation. The system can monitor the pressure changes in the sterilization chamber on a real-time basis. Upon detection of any pressure anomaly, the dual overpressure protection system consisting of a safety valve and a pressure protective device will be actuated immediately to relieve pressures or disconnect power supplies.

### Unique anti-scald design

The cover and bench of the sterilization chamber are made of special plastics to give a nice look and avoid causing corrossions and scald. The unique steam discharge and collection system can help to prevent scald.

### Multiple sterilization modes

Five sterilization modes are preset for sterilization, drying and Warming of solid and liquid substances and for melting and Warming of agar separately.

### Temperature and pressure

Sterilizing temperature: 105 to 135°C Design pressure: 0.3MPa

## Simple and easily understandable control panel

A four-digit temperature display that conforms to the latest national and industrial standards is provided. The status flow chart clearly displays the autoclave's present sterilization mode, working conditions, completed sterilization steps and impending sterilization steps. Press "DATA" key at any time to check the specific parameters of the present procedure.



## Over Temperature Protection System

The system can monitor the temperature changes in the sterilization chamber on a real-time basis and disconnect power supplies immediately upon detection of over temperature or temperature variation anomaly.

## Automatic Troubleshooting System

Troubleshooting is conducted automatically upon startup. Acoustic alarms will be given and trouble code displayed if any trouble occurs during equipment operation.

## Safety and Function

<b>Dry scorch protection system</b> The system can monitor the water level in the sterilization chamber on a real-time basis and disconnect the power supply for protection immediately upon detection of overflow water level.	<b>Cover checking system</b> The system can automatically check the locking conditions of the cover. If the cover is not tightly locked, the autoclave can't be started.
<b>Leakage protection device</b> Upon detection of any electric leakage, the system will disconnect the power supply for protection of the operator immediately.	<b>Over current and short circuit protection</b> The system will disconnect the power supply for protection immediately upon detection of any over current or short circuit.
<b>Overpressure test procedure</b> It is used to check if the overpressure protection system has actuated safety valve or disconnected power supplies upon detection of any pressure anomaly.	
<b>Memory system</b> The operator can set the sterilization parameters and create new procedures that can be readily used.	<b>Timed startup</b> It is possible to preset a time program so that the autoclave can be automatically started for sterilization according to the preset schedule.
<b>Agar processing</b> It can heat and melt down and preserve the heat of agars or preheat the sterilization chamber.	<b>Steam discharge control</b> Upon completion of sterilization procedure, the vent valve can automatically open to discharge steams at the preset temperature.
<b>Taste</b> It is a perfect combination of ergonomics and structural aesthetics with a fashionable, neat and elegant profile design to satisfy your demands for quality and tasteful products.	

## Configuration

Features	Model		GI36T/GI54T GI80T/GI100T
	GI36TR/GI54TR GI80TR/GI100TR	GI36TW/GI54TW GI80TW/GI100TW	
<b>Solid mode:</b> Heating → Sterilizing → Exhausting	Yes	Yes	Exhausting controlled by a knob
<b>Solid with drying mode:</b> Heating → Sterilizing → Exhausting → Water drainage → Drying	Yes	No	No
<b>Liquid mode:</b> Heating → Sterilizing → Precooling → Exhausting	Yes	Yes	Exhausting controlled by a knob
<b>Liquid with warming mode:</b> Heating → Sterilizing → Precooling → Exhausting → warming	Yes	Yes	No
<b>Agar mode:</b> Heating → Melting → Warming	Yes	Yes	Yes
<b>Preset range of exhausting temperature</b>	73 to 104°C	73 to 104°C	Exhausting controlled by a knob
<b>Preset range of drying time</b>	1 to 300 minutes	No	No
<b>Status flow chart that displays work processes</b>	Yes	Yes	Status indicator
<b>Timed startup</b>	0 minute - 6 days delayed	0 minute - 6 days delayed	No
<b>Procedures created</b>	60	60	20

## Technical Data

Model	GI36T/GI36TW GI36TR	GI54T/GI54TW GI54TR	GI80T/GI80TW GI80TR	GI100T/GI100TW GI100TR
<b>Capacity</b>	36	54	80	100
<b>Outer dimension (WxDxH) (mm)</b>	460 x 542 x 1070	460 x 542 x 1070	620 x 680 x 1040	620 x 680 x 1140
<b>Sterilization chamber size (mm)</b>	Φ 320 x 530	Φ 320 x 730	Φ 400 x 700	Φ 400 x 800
<b>Rated power supply</b>	220V 50Hz/60Hz			
<b>Rated power (W)</b>	2300	2900	4600	4600
<b>working environment</b>	5-40°C, relative humidity 10% to 85%			
<b>Sterilization chamber material</b>	SUS304 stainless steel			
<b>Sterilization temperature</b>	105 to 135°C			
<b>Sterilization time</b>	1 to 300 minutes			
<b>Melting temperature</b>	60 to 100°C			
<b>Melting time</b>	1 to 300 minutes			
<b>Warming temperature</b>	45 to 60°C			
<b>Warming time</b>	1 to 9999 minutes			
<b>Exhausting mode</b>	Fully automatic internal discharging, embedded with a steam trapping bottle			
<b>Range of pressure gauge</b>	0 to 0.6Mpa			
<b>Controller</b>	"SMART III" microcomputer control system			
<b>Memory system</b>	Memorable, no disappear even power off			
<b>Safety device</b>	Self-induction pressure interlocking device, over temperature protection system, dry scorch protection system, overpressure protection, safety valve, over current and short circuit protection, cover inspection system, leakage protection device, anti-scald safety protection and automatic troubleshooting system			
<b>Accessories</b>	Stainless steel baskets			
<b>Optional parts</b>	Printer and printing set			