

# SX

SX-300 / 500 / 700

SX-300E / 500E / 700E | C € 0035

HIGH PRESSURE STEAM STERILIZER



**TOMY**

### Auto-variable exhaust speed

Equipped automatically open exhaust valve after completed sterilizing. (set to variable for liquid sterilization.)

### Easily viewable "work monitor"

The LED display shows working status for easy monitoring. The process being performed is indicated by an LED indication lamp blinking in red.

### Cooling fan

The rapid air-cooling function (vessel-cooling fan) permitting reduction of the chamber cool down time is provided as a standard feature. This is most appropriate for lowering the temperature rapidly on completion of the cycle. The time required for lower the temperature is much reduced by employment of the cooling fan in comparison with natural cooling.

### OPTION

### External sensor for articles

Sensor for directly detecting the temperature of articles to be sterilized. More reliable sterilization monitor can be carried out.

### Timer function

The operation starting time can be preset.

# WORK MONITOR

### 3 icon lamps



Each icon shows necessary condition which is required to start operation. They prevent wrong operation.

### Large indication lamp "Operated"



An easily viewable large indication "Operated" is at the operating panel. Depending on the pressure status (normal pressure/pressure is applied), the displayed color changes.



Liquid sterilizing course	Sterilizing course	Sterilizing-warming course	Heating-warming course	Memory recall
Most appropriate course for prevention of sudden sample boiling	Normal sterilization course	Prevents culture media from coagulating after sterilization	Extremely convenient for dissolving culture media and warming	Preferred operating conditions can be recalled up easily

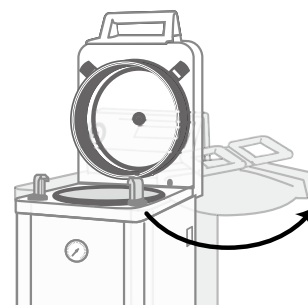
### Easy and smooth operation

The lid can be operated easily and smoothly with a single hand and foot. The lid lock is released by stepping on the foot pedal while pressing the lid down. The lid can be closed easily just by pressing it down. A basket can be held in one during opening or closing lid.



### Saving installation space

The main body is very compact its own design. Installation space at the side of the main body is not required because of the top-open lid. SX autoclaves can be installed side-by-side.



★ The illuminated display on the operating panel shown in the picture is different from the actual display at the time of operation.

# ACCESSORIES

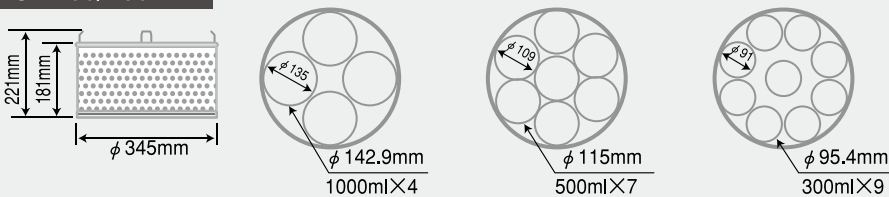


## Capacity of basket for flask

### SX-300/300E/500/500E



### SX-700/700E



# OPTION

“Document management purpose (e.g.:GMP,GLP)”

### ① Data output

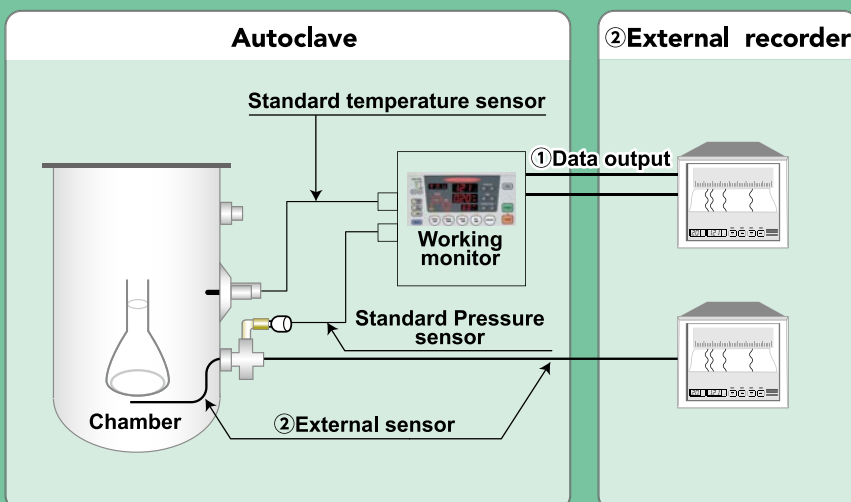
The temperature data, the pressure data, etc. can be exported. These data can be recorded when the external recorder is connected.

### ② External sensor and recorder

The temperature sensor and the recorder are independent from the autoclaves. The chamber temperature can be recorded.

### ③ Printer for recorder

Time / Chamber temperature / Chamber pressure / External temperature if the external sensor is equipped / Autoclave model name / Autoclave serial number / Data / Lot number / can be recorded



SPEEDY PORTABLE AUTOCLAVE

# OTHERS

## Pressure fine adjustment function

When the balance between the temperature and pressure deviates during sterilization, fine exhausting is carried out automatically in order to adjust the best chamber condition.

## Lid interlock

A safety device (lid interlock mechanism) for locking the lid during operation is provided. A high level of safety is assured to prevent unanticipated accidents.

## Water level detector

A safety device (water level detector) for preventing no-water-heating is provided. The device is designed to detect the water level through the micro electrolytes of the sterilizing water.

## High altitude usage

Please contact our distributor when environmental condition is between 616 hPa - 860hPa.(equivalent altitude is approximately 1,000m to 4,000m) for custom-made instrument. Specifications are subject to change according to the altitude.

# SPECIFICATIONS

Model name		SX-300 / SX-300E	SX-500 / SX-500E	SX-700 / SX-700E
Operating temperature range	Sterilizing	105~135°C (0.019~0.212MPa)		
	Heating	45~104°C (0~0.015MPa)		
	Warming	45~95°C		
Maximum operating pressure		0.263MPa		0.25MPa
Temperature	Display	Digital, Microprocessor controlled		
Pressure gauge	Display	Analog		
	Display range	0~0.4MPa		
Heat source		1.5 kW electric heater	2.0 kW electric heater	3.0kW electric heater
Safety device		·No-water- heating prevention ·Leakage breaker ·Lid interlock ·Over-heating prevention ·Over-pressure prevention ·Temperature sensor break detection ·Safety valve		
Protection type against electrical shock		Class I equipment		
Time	Display	Digital, Microprocessor controlled		
	Display range	Sterilizing	0:01~9:59, 10~99hours/1~99hours/1~999min. (Changable)	
		Heating	4hours (default setting) / 1~99hours (Changable)	
Warming				
Pressure chamber type		PED Category II (SX-300E/SX-500E/SX-700E)		
Chamber dimensions		φ325×553mm	φ325×733mm	φ370×774mm
Chamber capacity		Effective internal volume: 36 L Internal volume: 44 L	Effective internal volume: 50 L Internal volume: 58 L	Effective internal volume: 69 L Internal volume: 79 L
Chamber material		SUS304		
Exhaust bottle material		Polyethylene		
Dimensions (mm)		410W,477D,790H (Protruding: 574 D)	410W,477D,970H (Protruding: 574 D)	470W,528D,1003H (Protruding: 625 D)
Weight		50kg	60kg	72kg
Power consumption (calorific power)		1.5kW (1290kcal/h)	2.0kW (1720kcal/h)	3.0kW (2580kcal/h)
Environmental conditions		When operating the autoclave, observe the environmental conditions given below. Ambient temperature: 10 to 35°C Atmospheric pressure: 860 to 1060hPa Relative humidity: 30 to 85% Maximum gradient: 2°		
Accessories		Stainless basket (φ300×182 mm) - 1	Stainless baskets (φ300×182 mm) - 2	Stainless baskets (φ345×181mm) - 2
		Caster stopper - 4, Slatted bottom plate - 1, Operator's manual - 1, Clear plastic accessory case - 1, Attachment screw for clear plastic accessory case - 1, Inspection sheet - 1, Warranty card - 1, Customer card - 1,		

	SX-300	SX-500	SX-700	SX-300E	SX-500E	SX-700E
Related voltage / Power input	·120V/13A ·230V/ 7A	·120V/17A ·230V/ 9A	230V/13A	230V/7A	230V/9A	230V/13A
Required power supply	·Single-phase AC120V (50/60Hz) 15A or more ·Single-phase AC230V (50/60Hz) 10A or more	·Single-phase AC120V (50/60Hz) 20A or more ·Single-phase AC230V (50/60Hz) 15A or more	Single-phase AC230V (50/60Hz) 15A or more	Single-phase AC230V (50/60Hz) 10A or more	Single-phase AC230V (50/60Hz) 15A or more	Single-phase AC230V (50/60Hz) 15A or more

Safety valve cover



●Please refer to the "EC Declaration of Conformity" for detailed standard application for SX-300E,SX-500E,SX-700E.

## Sales Office

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### TOMY SEIKO CO., LTD.

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