

# PRESSURE COOKER

## SATURATED STEAM TEST CHAMBER SPT series



SPT-2315



SPT-3040

### ● Saturated 100% humidity

The chamber-inside can be kept with 100% saturated humidity by reliable air-exhaust-device and be operated in  $\pm 0.1^{\circ}\text{C}$  control accuracy by PID digital controller.

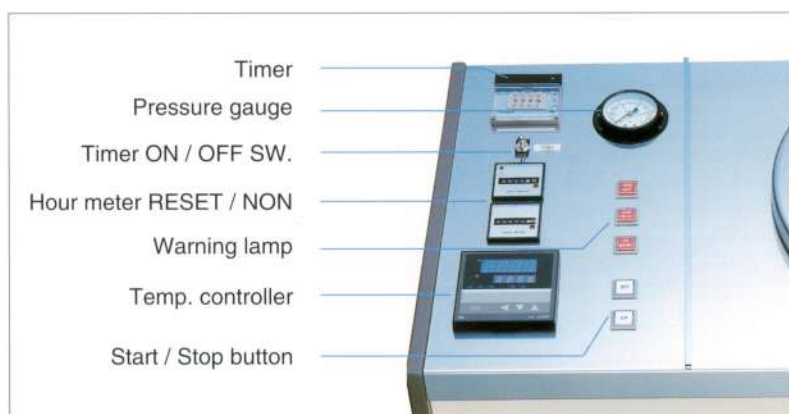
### ● Maximum 200 hours continuous test

Self-closing silicon lid gasket, precise process-finish of the chamber ~ piping connection, and adoption of SUS304 ~ 316 for all parts (chamber, lid, heater, gauge, pressure switch) contacted with steam.

These make it possible to operate in 200 hours continuously.

### ● Prevention of water drop (-B type)

Pre-heating system and protecting hood prevent drop of condensed water on the test-materials.



### ■ Specification

Model	SPT - 2315	SPT - 2315B	SPT - 3040	SPT - 3040B
Chamber inner size	23 $\phi$ $\times$ 46cm (20L)		30 $\phi$ $\times$ 45cm (32L)	
Effective inner size	18 $\phi$ $\times$ 40cm		25 $\phi$ $\times$ 40cm	
Ability	Usable max. press.	0.16MPa		0.38MPa
	Usable temp. range.	105~127°C		105~150°C
	Usable humidity	Saturated 100%RH		
	Continuous test time	200 hours		
	Temperature accuracy	$\pm 1.0^{\circ}\text{C}$		
	Water-drop-proof	—	Pre-heating & Hood	—
System	Operation	Start $\rightarrow$ Remained air exhaust $\rightarrow$ Test $\rightarrow$ Completion $\rightarrow$ Exhaust...full automatic		
	Temp. controller	4 digit PID (control accuracy $\pm 0.1^{\circ}\text{C}$ )		
	Timer	Digital timer...Set range : 0.1~999.9 hours, Integration hour meter		
	Safety device	Over-heat safety device, Over-press. safety switch, Press. safety valve, Water-lack preventor, Sensor-break warning, E.L.B.& N.F.B., Thermal fuse Lid safety cover(SPT-3040 & -3040B)		
	Material	Chamber, lid, heater, gauge, pressure switch & piping parts : SUS304~316 stainless steel		
Electricity	AC220~240V, 1 $\phi$ , 50/60Hz			
Power consumption	1.5KW		2.0KW	
Outer size, Weight	W60 $\times$ D36 $\times$ H80cm, 35kg~40kg		W86 $\times$ D48 $\times$ H92cm, 50kg~56kg	
Standard accessories	Stainless drain hose, Water drop proof hood (-B model)			
Option	Test lead wires, Recorder, Start timer, Automatic water supply system Stainless wire basket (18 $\phi$ $\times$ 5cm, 18 $\phi$ $\times$ 10cm, 18 $\phi$ $\times$ 20cm) (25 $\phi$ $\times$ 5cm, 25 $\phi$ $\times$ 10cm, 25 $\phi$ $\times$ 20cm)			



# PRESSURE COOKER

## SATURATED STEAM TEST CHAMBER SPY series



SPY-2315



SPY-4016

### ● Saturated 100% humidity

The chamber-inside can be kept with 100% saturated humidity by reliable air-exhaust-device and be operated in  $\pm 0.1^\circ\text{C}$  control accuracy by PID digital controller.

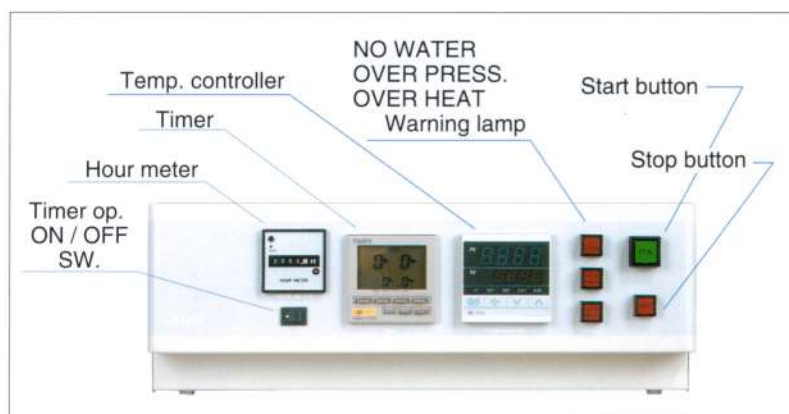
### ● Maximum 200 hours continuous test

Self-closing silicon lid gasket, precise process-finish of the chamber ~ piping connection, and adoption of SUS304 ~ 316 for all parts (chamber, lid, heater, gauge, pressure switch) contacted with steam.

These make it possible to operate in 200 hours continuously.

### ● Big capacity ... Model SPY-4016

Big quantity of test-materials can be admitted on the drawer trays of  $40\phi \times 65\text{cm}$  chamber.



### ■ Specification

Model	SPY - 2315	SPY - 4016
Chamber inner size	23 $\phi$ × 46cm (20L)	40 $\phi$ × 65cm (82L)
Effective inner size	18 $\phi$ × 40cm	35 $\phi$ × 60cm
Ability	Usable max. press.	0.16MPa
	Usable temp. range.	105~127 $^\circ\text{C}$
	Usable humidity	Saturated 100%RH
	Continuous test time	200 hours
	Temperature accuracy	$\pm 1.0^\circ\text{C}$
System	Operation	Start → Remained air exhaust → Test → Completion → Exhaust...full automatic
	Temp. controller	4 digit PID (control accuracy $\pm 0.1^\circ\text{C}$ )
	Timer	Digital timer...Set range : 0.1~999.9 hours, Integration hour meter
	Safety device	Over-heat safety device, Over-press. safety switch, Press. safety valve, Water-lack preventor, Sensor-break warning, E.L.B.& N.F.B., Thermal fuse Lid safety cover & lid-lock safety switch (SPY-4016)
	Material	Chamber, lid, heater, gauge, pressure switch & piping parts : SUS304~316 stainless steel
Electricity	AC220~240V, 1 $\phi$ , 50/60Hz	
Power consumption	1.5KW	3.6KW
Outer size, Weight	W46 × D63 × H54cm, 40kg	W59 × D90 × H83cm, 95kg
Standard accessories	Tray 2 pcs, Stainless drain hose	
Option	Test lead wires, Recorder, Start timer, Automatic water supply system	



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