

PRESSURE COOKER

SATURATED STEAM TEST CHAMBER SPT series



SPT-2315



SPT-3040

● **Saturated 100% humidity**

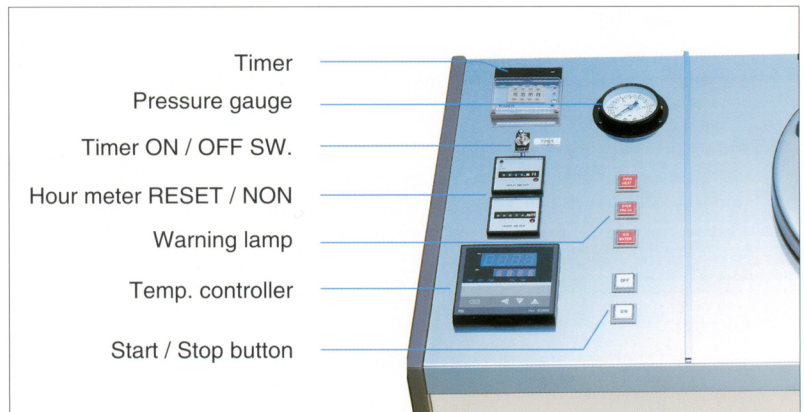
The chamber-inside can be kept with 100% saturated humidity by reliable air-exhaust-device and be operated in $\pm 0.1^{\circ}\text{C}$ control accuracy by PID digital controller.

● **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 ϕ \times 46cm (20L) | | 30 ϕ \times 45cm (32L) | |
| Effective inner size | 18 ϕ \times 40cm | | 25 ϕ \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 ϕ , 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 ϕ \times 5cm, 18 ϕ \times 10cm, 18 ϕ \times 20cm) (25 ϕ \times 5cm, 25 ϕ \times 10cm, 25 ϕ \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.

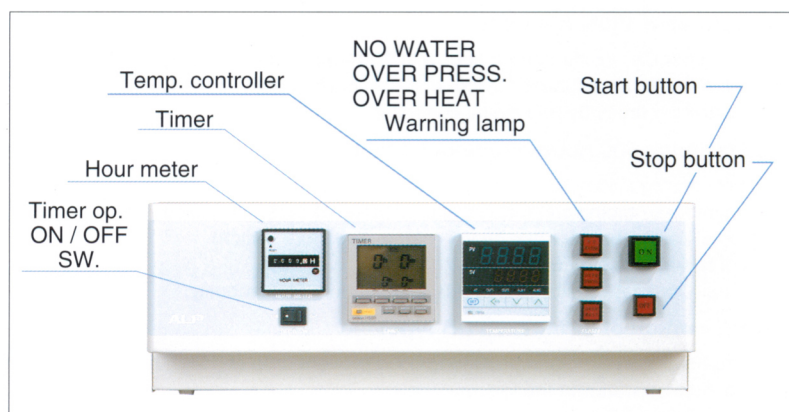
● Maximum 200 hours continuous test

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 ϕ \times 46cm (20L) | 40 ϕ \times 65cm (82L) |
| Effective inner size | 18 ϕ \times 40cm | 35 ϕ \times 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 \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 & lid-lock safety switch (SPY-4016) |
| | Material | Chamber, lid, heater, gauge, pressure switch & piping parts : SUS304~316 stainless steel |
| Electricity | AC220~240V, 1 ϕ , 50/60Hz | |
| Power consumption | 1.5KW | 3.6KW |
| Outer size, Weight | W46 \times D63 \times H54cm, 40kg | W59 \times D90 \times 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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