

FEATURES

- PID Proportional Temperature Control
- Complies with MIL-STD-202 and AWSI-J-STD-002
- Constant Digital Display of Set Points & Process Variable Temperatures
- Batch Loaded or 3-Drawer Operation
- Safety Vented
- Continuous 99 Hour Shift Operation
- Fully Programmable
- Audible Alarm
- Microprocessor Controlled

DESCRIPTION

The precision steam aging systems in the RPS-ST family are specifically designed to meet military and commercial Hi-Rel specifications (MIL-STD 202, Method 208 and others) for artificial aging of all electronic components and circuit boards, including high density, discrete components. They offer complete monitoring and control of steam or water temperature and feature automatic timing of the test duration. The large steam chamber is designed so that steam may be safely vented. The ST-2D features 3 individually timed, ESD protected drawers with a unique closure mechanism that reduces steam escapement during drawer removal.

Constructed of treated stainless steel, these steam agers are virtually unaffected by de-ionized or distilled water. Elapsed time and cycle time are indicated digitally. The cycle timer will not time the cycle unless temperature is within process parameters. The unit automatically shuts down at the end of the pre-programmed cycle. The cover is designed so that steam is condensed and channeled to the side. Condensation is kept away from components. Boiler temperature control is accurate to $\pm 2^{\circ}\text{C}$ from pre-set, with a readout provided. Indicators show "on", "heater on", "test in progress", "test over", and "alarm". Five trays for components are provided with the systems.



Model ST-2



Model STD-2

See Reverse Side for Specifications,
Applications, and Options

APPLICATIONS

Artificial aging of components occurs over a very narrow temperature range, typically at 93 C, +/- 3 of steam temperature. The RPS-ST Family of Steam Aging equipment are the only systems currently on the market that meet this requirement. Their precise ability to control all process parameters make the RPS-ST systems ideal for both component manufacturers and end users – military, commercial, and industrial.

Literally dozens of different product types or tests can be run at the same time. The user simply sets the timer to specify the duration of the actual test. The systems are extremely user friendly and safe. With models specifically designed to meet the requirements

of either high or low volume use, each configured with its own specific options. The user always gets a that is perfectly suited to individual requirements.

Robotic Process Systems also offers a comprehensive line of solderability test systems. For further information on these and the complete RPS product line, contact us at (509) 891-1 680.

OPTIONS

- Chart Recorder
- Carboy

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SPECIFICATIONS*

Performance

Operation	Automatic
Test Duration	"Test Duration" Timer (99 hr.)
Thermocouple	Selectable Thermocouple (H ₂ O or Steam)
Accuracy	±2°C Steam
Chart Recorder	Optional (Both Models)
Car Boy	Optional (Both Models) Specify-CB
Drawer(s)	3 Drawers (STD-2)

Operational

Electrical Input	110/VAC/1PH/60Hz/15 Amps
Safety	Automatic low water shutdown Vented Steam High Water Overflow to Drain Over Temperature

Physical

Construction	All wetted surfaces are stainless steel Outer surfaces are epoxy-coated steel Steam Chamber is fully insulated with high-density ce-
UL	Designed to meet UL requirements.
Dimensions, Interior	3"H x 12"D x 12"L
Dimensions, Footprint	16"H x 16"D x 24"L
Net Shipping Weight:	40 lbs.
Water Capacity:	1.25 gal.

*specifications subject to change without notice