

## Temperature Only or Temperature/Humidity Stability Chambers



Model SLT52SD/RH



Model SLT89SD/RH

Designed to provide controlled temperature or temperature/humidity environments for shelf life testing of cosmeceutical, nutraceutical and pharmaceutical products and packaging, these chambers offer FDA and ICH compliance at a reasonable price. Each chamber has a chart recorder to record parameter variations and an alarm to monitor chamber performance. Conditioned air flows horizontally through louvered portholes that balance air pressure for even distribution across each tray. Ten levels of stainless steel lipped trays offer 38 or 76 ft<sup>2</sup> (3.6 or 7.2 m<sup>2</sup>) of storage space, depending on the size of the model. The stainless steel cabinet has heated double-glass doors (optional solid) for quick product identification to minimize door-ajar disruptions. Both the chamber door(s) and control panel are lockable. Casters are a standard feature on stability chambers. Options available include RS-232 ports or retransmit outputs for remote monitoring (instead of the chart recorder and alarm), and ultra-pure DI water re-circulation systems for applications where high quality water is not available.

Model	Style	Temp Selection and Uniformity	Humidity Selection and Uniformity	Capacity cu ft/liters	Total Shelf Area sq ft/m <sup>2</sup>	Dimensions		Electrical Required	HP	Shipping weight lbs/kgs
						Exterior** in/cm	Interior in/cm			
SLT52SD/T		5-20°C ±0.5°*	None	28/790	38.3/3.6	52/132 W	29/74 D	115/60/1	1/3	650/295
						31/79 D	24/61 H	20 amps		
SLT52SD/T		20-50°C ±0.5°*	None	28/790	38.3/3.6	52/132 W	29/74 D	115/60/1	1/3	650/295
						31/79 D	24/61 H	20 amps		
SLT52SD/RH		20-50°C ±0.5°*	50-80% ±2%*	28/790	38.3/3.6	52/132 W	29/74 D	115/60/1	1/3	650/295
						31/79 D	24/61 H	30 amps		
SLT89SD/T		5-20°C ±0.5°*	None	72/2035	76.6/7.2	89/226 W	66/167 D	115/60/1	1/2	950/432
						31/79 D	24/61 H	30 amps		
SLT89SD/T		20-50°C ±0.5°*	None	72/2035	76.6/7.2	89/226 W	66/167 D	115/60/1	1/2	950/432
						31/79 D	24/61 H	30 amps		
SLT89SD/RH		20-50°C ±0.5°*	50-80% ±2%*	72/2035	76.6/7.2	89/226 W	66/167 D	115/230/60/1	1/2	950/432
						31/79 D	24/61 H	30 amps		

Temp/RH chambers are designed for one combination of parameters unless specified at time of order.

\*At the sensor

\*\*Exterior height before casters are installed

## Photostability Chambers



Photostability chambers provide high intensity lighting in the 300 700 nm range for pharmaceutical stability studies conducted at constant temperature (25°C) according to ICH guidelines. Each shelf has a bank of 10 lights that produce uniform lighting ( $\pm 10\%$ ) across a large circular area on the shelf. The banks combine black and cool white fluorescent bulbs to satisfy the ICH definition for Option II lighting. At a distance of about 8" from the lights, average light intensity is approximately 10,000 lux for visible light and 10 w/m<sup>2</sup> for black light. Four light switches control the light banks, and four black light switches (or an optional timer) allow the black light portion of the testing to be curtailed while the visible light portion of the study continues to completion. Temperature failsafes and lockable solid doors (or optional tinted, mirrored glass doors) protect the study from temperature excursions and light disruption. Accessories such as casters, A/V hi-low alarm, chart recorder, or access port for remote monitoring are popular options.



**Model PST73SD**  
with optional Chart Recorder  
and Temp Alarm



**Model PST52SD**  
with optional Chart Recorder  
and Temp Alarm

Model	Style	Temp Selection and Uniformity	Number of Lights	Capacity cu ft/liters	Total Shelf Area sq ft/m <sup>2</sup>	Dimensions		Electrical Required	HP	Shipping weight lbs/kgs
						Exterior in/cm	Interior in/cm			
PST52SD		20-45°C ±1.5°*	40 (6 C.W. and 4 Black per Shelf)	28/790	15/1.4	52/132	W 29/74	115/60/1 30 amps L530 plug	1/2	550/250
						33/84	D 24/61			
						75/190	H 69/175			
PST73SD		20-45°C ±1.5°*	40 (6 C.W. and 4 Black per Shelf)	53/1500	23/2.1	75/190	W 48/122	115/230/60/1 30 amps L1430 plug	3/4	700/318
						33/84	D 24/61			
						75/190	H 69/175			

\*Measured at the sensor