



TESTING
CHAMBER

STABILITY TEST CHAMBER-100, 200, 300 Series

Labocon now offers a range of Stability Test Chamber-100, 200, 300 Series, which create temperature & humidity extremes. Regulated with microprocessor fuzzy PID controller for temperature & humidity, makes running the Stability Test Chamber a breeze. Designed with laser processing technology & engineered to give you long lasting performance & reliable testing applications. Cold worked steel exterior & stainless steel interior with powerful insulating material, wide & bright LCD, multi-angle water discharge, circular airflow-air duct with forced convection, a single 45mm wide test cavity on the left & right side are few of its assets.

Its safety system includes PT100 Temperature sensor, capacitive Humidity sensor, temperature-rise alarm, protected Creepage distance, and auto-defrost, etc. We provide you with inbuilt alarm function for power failure, sensor & unclosed door. This equipment causes small carbon foot print with non-CFC refrigerant.



Application:

Stability Test Chamber is developed keeping pharmaceutical industry in mind, to provide evidence of the stability of active substances & pharmaceuticals. Used for the long term storage test of drugs/vaccine & food, water analysis, BOD test, microorganism culture study, etc.

Specifications:

Models classified by Temperature Range	-10°C to 85°C	↔	LSTC-101	LSTC-102	LSTC-103
	-20°C to 85°C	↔	LSTC-201	LSTC-202	LSTC-203
	-40°C to 85°C	↔	LSTC-301	LSTC-302	LSTC-303
Capacity (L)	Effective		100	151	250
	Water Supply		Inside: 10; Outside: 25		
Temperature	Range		-10°C ~ +85°C		
	Fluctuation		±0.1°C		
Humidity Range (%) RH			20~98		
Insulating Material			Overall foaming of polyurethane		
Refrigerant			R134a		
Dimension (WxDxH)(mm)	Internal		465x400x540	540x400x700	640x440x890
	Overall		590x733x1140	665x733x1300	765x773x1490
Weight (kg)			93	114.5	137
Power Supply			AC 220V 50/60Hz		

Model	LSTC-101	LSTC-102	LSTC-103	LSTC-201	LSTC-202	LSTC-203	LSTC-301	LSTC-302	LSTC-303
Catalog No.	5122116466	5122117466	5122118466	5122119466	5122120466	5122121466	5122122466	5122123466	5122124466

THERMAL SHOCK CHAMBER-100, 200, 300, 400 & 500 Series

Labocon Thermal Shock Chamber subjects a sample to alternating high & low temperature extremes achieved by stainless steel high-speed heater & air-cooled condenser with fin type evaporator. It has PID temperature controller with SSR control output & electronic digital indicators and Critical dew-point cooling method for dehumidification.

It exhibits stainless steel exterior & interior with Polyurethane & Fiberglass insulation, efficient circulating fan, surface humidifier, chamber with adjustable shelves & lamp, air tight door with rigid glass window.

Labocon Thermal Shock Chamber is equipped with controller & compressor overload protection, temperature-rise protection & humidifier overheating/ drying protection.



Application:

Thermal Shock Chamber helps conduct the study of changes in sample characteristics & failure occurrence caused by presence of different materials & their thermal expansion coefficients.

Specification for Model-100 Series with 0°C to 150°C:

Model		LTSC-101	LTSC-102	LTSC-103	LTSC-104	LTSC-105	LTSC-106
Temperature	Range	0°C to 150°C					
	Accuracy	0.3°C					
	Uniformity	1.5°C					
Humidity	Range (%) RH	20~98					
	Accuracy (%) RH	±0.5					
	Uniformity	2.5% (in case of RH>75%), 4% (in case of RH<75%)					
Heat Up Time		30 to 40min. from 100-150°C		30 to 45min. from 100-150°C			
Cool Down Time		25min. from RT to 0°C					
Dimension (WxDxH)(mm)	Internal	400x400x500	500x500x600	500x600x750	600x800x850	1000x800x1000	1000x1000x1000
	Overall	900x1500x900	950x1050x1500	950x1150x1650	1050x1350x1750	1450x1350x1900	1450x1550x1900
Power Supply		220V/380V 60/50Hz					
Catalog No.		5122125583	5122126583	5122127583	5122128583	5122129583	5122130583

Specification for Model-200 Series with -20 to 150°C:

Model		LTSC-201	LTSC-202	LTSC-203	LTSC-204	LTSC-205	LTSC-206
Temperature	Range	-20°C to 150°C					
	Accuracy	0.3°C					
	Uniformity	1.5°C					
Humidity	Range (%) RH	20~98					
	Accuracy (%) RH	±0.5					
	Uniformity	2.5% (in case of RH>75%), 4% (in case of RH<75%)					
Heat Up Time		30 to 40min. from 100-150°C		30 to 45min. from 100-150°C			
Cool Down Time		40min. from RT to -20°C					
Dimension (WxDxH)(mm)	Internal	400x400x500	500x500x600	500x600x750	600x800x850	1000x800x1000	1000x1000x1000
	Overall	900x1500x900	950x1050x1500	950x1150x1650	1050x1350x1750	1450x1350x1900	1450x1550x1900
Power Supply		220V/380V 60/50Hz					
Catalog No.		5122131583	5122132583	5122133583	5122134583	5122135583	5122136583

Specification for Model-300 Series with -40 to 150°C:

Model		LTSC-301	LTSC-302	LTSC-303	LTSC-304	LTSC-305	LTSC-306
Temperature	Range	-40°C to 150°C					
	Accuracy	0.3°C					
	Uniformity	1.5°C					
Humidity	Range (%) RH	20~98					
	Accuracy (%) RH	±0.5					
	Uniformity	2.5% (in case of RH>75%), 4% (in case of RH<75%)					
Heat Up Time		30 to 40min. from 100-150°C		30 to 45min. from 100-150°C			
Cool Down Time		50min. from RT to -40°C			55min. from RT to -40°C	75min. from RT to -40°C	85min. from RT to -40°C
Dimension (WxDxH)(mm)	Internal	400x400x500	500x500x600	500x600x750	600x800x850	1000x800x1000	1000x1000x1000
	Overall	900x1500x900	950x1050x1500	950x1150x1650	1050x1350x1750	1450x1350x1900	1450x1550x1900
Power Supply		220V/380V 60/50Hz					
Catalog No.		5122137583	5122138583	5122139583	5122140583	5122141583	5122142583

Specification for Model-400 Series with -60 to 150°C:

Model		LTSC-401	LTSC-402	LTSC-403	LTSC-404	LTSC-405	LTSC-406
Temperature	Range	-60°C to 150°C					
	Accuracy	0.3 °C					
	Uniformity	1.5°C					
Humidity	Range (%) RH	20~98					
	Accuracy (%) RH	±0.5					
	Uniformity	2.5% (in case of RH>75%), 4% (in case of RH<75%)					
Heat Up Time		30 to 40min. from 100-150°C		30 to 45min. from 100-150°C			
Cool Down Time		80min. from RT to -60°C				85min. from RT to -60°C	
Dimension (WxDxH)(mm)	Internal	400x400x500	500x500x600	500x600x750	600x800x850	1000x800x1000	1000x1000x1000
	Overall	900x1500x900	950x1050x1500	950x1150x1650	1050x1350x1750	1450x1350x1900	1450x1550x1900
Power Supply		220V/380V 60/50Hz					
Catalog No.		5122143583	5122144583	5122145583	5122146583	5122147583	5122148583

Specification for Model-500 Series with -70 to 150°C:

Model		LTSC-501	LTSC-502	LTSC-503	LTSC-504	LTSC-505
Temperature	Range	-70°C to 150°C				
	Accuracy	0.3°C				
	Uniformity	1.5°C				
Humidity	Range (%) RH	20~98				
	Accuracy (%) RH	±0.5				
	Uniformity	2.5% (in case of RH>75%), 4% (in case of RH<75%)				
Heat Up Time		30 to 40min. from 100-150°C		30 to 45min. from 100-150°C		
Cool Down Time		90min. from RT to -70°C				100min. from RT to -70°C
Dimension (WxDxH)(mm)	Internal	400x400x500	500x500x600	500x600x750	600x800x850	1000x800x1000
	Overall	900x1500x900	950x1050x1500	950x1150x1650	1050x1350x1750	1450x1350x1900
Power Supply		220V/380V 60/50Hz				
Catalog No.		5122149583	5122150583	5122151583	5122152583	5122153583

SALT SPRAY CHAMBER-100 Series

Labocon brings you innovative designs of Salt Spray Chamber completely mold casted with glass strengthened plastic with wall spray system & unique nozzle. It is used to test the product for corrosion without introducing other contaminants into the test area.



Specifications:

Model		LSSC-101	LSSC-102	LSSC-103	LSSC-104	LSSC-105
Temperature	Range	Ambient to +55°C				
	Stability	≤ ±0.5°C				
	Uniformity	≤ ±2°C				
Rate of Setting		1-2ml/80m ² h				
Dimension (WxDxH)(mm)		590x460x400	700x550x450	1000x640x500	1100x750x600	1330x1030x700
Catalog No.		5122154462	5122155462	5122156462	5122157462	5122158462

LABOCON SYSTEMS

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