



STABILITY TEST CHAMBER

STABILITY TEST CHAMBER

Stability test chamber is a reliable solution for managing stability and stress testing. Designed with laser processing technology and microprocessor controlled, it gives you interruption free long term operation. Durable interiors along with safety features make it an ideal option.

Also known as Stress Testing Chamber, Laboratory Stability Test Chamber.

200 STABILITY TEST CHAMBER



ALLCOLD Refrigeration Technology: Auto defrost, multiple security system, long time running, environmental protection, high efficiency and energy saving, Auto-defrost function, Imported DuPont SUVA R134 a environmental refrigerant.

ALLFLOW Perfect Air Current Cycling: Perfect forced convection, maximum number of working room, minimum temperature recovery time after the opening, world famous axial fan, perfect air current design.

ALLSENS Programmable PID Control: Adaptive PID controller precisely controls the temperature and humidity, prevent temperature soaring, keep working room temperature stable and uniformity.

Excellent Imported temperature and humidity Sensor.

SPECIFICATIONS

Model	BTST-201-A	BTST-201-B	BTST-201-C
Capacity	150 L		
Temperature Range	10℃~ 65℃ (with illumination) /0℃~ 60℃ (without illumination)		0℃~65℃
Temperature Uniformity	±1℃ (10-40℃)		
Temperature Fluctuation	±0.5℃		
Temperature Resolution	0.1℃		
Humidity Range	50-90%	50-95%	
Humidity Fluctuation	±2%	±3%	
Using Environment Temperature	Ambient temp.10 ~ 30℃		
Using Environment Humidity	<70%		
Convection Mode	Forced convection		
Illumination Range	0 ~ 6000 lux (5 stages adjustable)		-
Control System	30 Stages Microcomputer PID		
Shelves	3		
Inner Dimension	760H x 510W x 390D mm		
Overall Dimension	1410H x 650W x 680D mm		
Weight (Net/Gross)	107.5 kg		107/132 kg
Interior Material	SUS304 stainless steel cavity		
Power	1080 W		
Power Supply	Single phase AC220V/50Hz		

Model	BTST-202-A	BTST-202-B	BTST-202-C
Capacity	250 L		
Temperature Range	10°C~ 65°C (with illumination) /0°C~ 60°C (without illumination)		0°C~65°C
Temperature Uniformity	±1°C (10-40°C)		

Temperature Fluctuation	±0.5℃		
Temperature Resolution	0.1℃		
Humidity Range	50-90%	50-95%	
Humidity Fluctuation	±2%	±3%	
Using Environment Temperature	Ambient temp.10 ~ 30℃		
Using Environment Humidity	<70%		
Convection Mode	Forced convection		
Illumination Range	0 ~ 6000 lux (5 stages adjustable)		-
Control System	30 Stages Microcomputer PID		
Shelves	4		
Inner Dimension	1100H x 510W x 450D mm		
Overall Dimension	1730H x 650W x 740D mm		
Weight (Net/Gross)	145 kg		135/162 kg
Interior Material	SUS304 stainless steel cavity		
Power	1100 W		
Power Supply	Single phase AC220V/50Hz		

Model	BTST-203-A	BTST-203-B	BTST-203-C
Capacity	400 L		
Temperature Range	10℃~ 65℃ (with illumination) /0℃~ 60℃ (without illumination)		0℃~65℃
Temperature Uniformity	±1.5℃ (10-40℃)		
Temperature Fluctuation	±0.5℃		
Temperature Resolution	0.1℃		
Humidity Range	50-90%	50-95%	
Humidity Fluctuation	±2%	±3%	
Using Environment Temperature	Ambient temp.10 ~ 30℃		
Using Environment Humidity	<70%		
Convection Mode	Forced convection		
Illumination Range	0 ~ 6000 lux (5 stages adjustable)		-
Control System	30 Stages Microcomputer PID		
Shelves	4		
Inner Dimension	1050H x 600W x 640D mm		
Overall Dimension	1700H x 745W x 930D mm		
Weight (Net/Gross)	175 kg		158/186 kg
Interior Material	SUS304 stainless steel cavity		
Power	1350 W		
Power Supply	Single phase AC220V/50Hz		



BTST-201-A



BTST-201-B



BTST-201-C



BTST-202-A



BTST-202-B



BTST-202-C



BTST-203-A



BTST-203-B



BTST-203-C

1500 STABILITY TEST CHAMBER



Microprocessor control, stainless steel chamber, semicircular arcs at corners for easy cleaning

Even air circulating system

R134a refrigerant, 2 imported compressors and fan motor

Over temperature and temperature difference alarms

Imported humidity sensor which can be used in high humidity environment

Balance temperature and humidity adjusting system

There is a 25mm instruction connection hole on the left side of the chamber for easy testing operation and temperature measurement

UV light system for periodic sterilization of chamber.(Option)

Independent audible and visible temperature-limiting alarm system ensures experiments run safely

RS485 connector can connect computer record and inspect the parameters and the variations of temperature

SPECIFICATIONS

Model	BTST-1501	BTST-1502	BTST-1503	BTST-1504
Capacity	80 L	150 L	250 L	80 L
Temperature Range	0-65°C			
Temperature Stability	±0.5°C			
Temperature Uniformity	±2°C			
Humidity control range	35-95%RH			
Humidity Stability	±3%RH			
Timing Range	1-99 hours each period			
Humidity and temp adjusting	Balance temperature and humidity adjusting			

Cooling system/cooling mode	Two sets of imported compressor work rotationally			-
Controller	Programmable(LCD screen)			Programmable(touch screen)
Sensor	Temp: Pt100, Humidity: capacitance sensor			
Ambient Temperature	RT+5-30°C			
Electrical Requirement	AC 220 V 50 Hz			
Power Consumption	2000 W	2100 W	2300 W	2000 W
Interior Dimension	400Wx400Dx500H mm	550Wx405Dx670H mm	600Wx500Dx830H mm	400Wx400Dx500H mm
External Dimension	550Wx790Dx1080H mm	690Wx805Dx1530H mm	740Wx890Dx1680H mm	550Wx790Dx1080H mm
Shelves	2 pcs	3 pcs		2 pcs
Safety Device	Compressor overheating and overpressure protection, Fan overheating protection Over temperature protection, Overload protection, Water protections			
Illumination	-	-	-	-
Illumination difference	-	-	-	-
Remark	-	-	-	-

Model	BTST-1505	BTST-1506	BTST-1507	BTST-1508
Capacity	150 L	250 L	150 L	250 L
Temperature Range	0-65℃		0-65℃ without illumination	
Temperature Stability	±0.5℃			
Temperature Uniformity	±2℃			
Humidity control range	35-95%RH			
Humidity Stability	±3%RH			
Timing Range	1-99 hours each period			
Humidity and temp adjusting	Balance temperature and humidity adjusting			Balance temperature adjusting
Cooling system/cooling mode	Two sets of imported compressor work rotationally			
Controller	Programmable(touch screen)		Programmable(LCD screen)	
Sensor	Temp: Pt100, Humidity: capacitance sensor			
Ambient Temperature	RT+5-30℃			
Electrical Requirement	AC 220 V 50 Hz			
Power Consumption	2100 W	2300 W	2250 W	2500 W
Interior Dimension	550Wx405Dx670H mm	600Wx500Dx830H mm	550Wx405Dx670H mm	600Wx500Dx830H mm
External Dimension	690Wx805Dx1530H mm	740Wx890Dx1680H mm	690Wx805Dx1530H mm	740Wx890Dx1680H mm
Shelves	3 pcs			
Safety Device	Compressor overheating and overpressure protection, Fan overheating protection Over temperature protection, Overload protection, Water protections			
Illumination	-	-	0-6000LX adjustable	
Illumination difference	-	-	≤±500LX	
Remark	-	-	intensity of illumination detector.	

Model	BTST-1509	BTST-1510	BTST-1511	BTST-1512
Capacity	150 L	250 L	150 L	250 L
Temperature Range	10-50°C with illumination		0-65°C without illumination	
Temperature Stability	±0.5°C			
Temperature Uniformity	±2°C			

Humidity control range	35-95%RH	-	-	
Humidity Stability	±3%RH	-	-	
Timing Range	1-99 hours each period			
Humidity and temp adjusting	Balance temperature adjusting			
Cooling system/cooling mode	Two sets of imported compressor work rotationally			
Controller	Programmable(touch screen)	Programmable(LCD screen)		
Sensor	Temp: Pt100, Humidity: capacitance sensor	Temp: Pt100		
Ambient Temperature	RT+5-30℃			
Electrical Requirement	AC 220 V 50 Hz			
Power Consumption	2250 W	2500 W	1450 W	1700 W
Interior Dimension	550Wx405Dx670H mm	600Wx500Dx830H mm	550Wx405Dx670H mm	600Wx500Dx830H mm
External Dimension	690Wx805Dx1530H mm	740Wx890Dx1680H mm	690Wx805Dx1530H mm	740Wx890Dx1680H mm
Shelves	3 pcs			
Safety Device	Compressor overheating and overpressure protection, Fan overheating protection Over temperature protection, Overload protection, Water protections			
Illumination	0-6000LX adjustable			
Illumination difference	≤±500LX			
Remark	intensity of illumination detector.			

Model	BTST-1513
Capacity	400 L
Temperature Range	0-65°C without illumination
Temperature Stability	±0.5°C
Temperature Uniformity	±2°C
Humidity control range	-
Humidity Stability	-
Timing Range	1-99 hours each period
Humidity and temp adjusting	Balance temperature adjusting
Cooling system/cooling mode	Two sets of imported compressor work rotationally
Controller	Programmable(LCD screen)
Sensor	Temp: Pt100
Ambient Temperature	RT+5-30°C
Electrical Requirement	AC 220 V 50 Hz
Power Consumption	3200 W
Interior Dimension	700Wx550Dx1140H mm
External Dimension	950Wx850Dx1850H mm
Shelves	4 pcs
Safety Device	Compressor overheating and overpressure protection, Fan overheating protection Over temperature protection, Overload protection, Water protections
Illumination	0-6000LX adjustable
Illumination difference	≤±500LX
Remark	intensity of illumination detector.



BTST-1501



BTST-1502



BTST-1503



BTST-1504



BTST-1505



BTST-1506



BTST-1507



BTST-1508



BTST-1509



BTST-1510



BTST-1511



BTST-1512



BTST-1513

1600 STABILITY TEST CHAMBER



Microprocessor control, stainless steel chamber, semicircular arcs at corners for easy cleaning

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SPECIFICATIONS

Model	BTST-1601	BTST-1602	BTST-1603	BTST-1604
Capacity	500 L		800 L	
Temperature Range	0-65℃			
Temperature Stability	±0.5℃			
Temperature Uniformity	±2℃			
Humidity control range	35-95%RH	36-95%RH	37-95%RH	38-95%RH
Humidity Stability	±3%RH			
Cooling system cooling mode	Two sets of imported compressor work rotationally			
Controller	Programmable (touch screen)			
Sensor	Temp: Pt100, Humidity: capacitance sensor			
Ambient Temperature	RT+5-30℃			
Electrical Requirement	AC 220 V 50 Hz		AC 380 V 50 Hz	
Power Consumption	3750 W		7150 W	
Interior Dimension	670Wx725Dx1020H mm		800Wx590Dx1650H mm	
External Dimension	850Wx1100Dx1930H mm		1360Wx890Dx2000H mm	
Shelves	4 pcs			
Safety Device	Compressor overheating and overpressure protection, Fan overheating protection Over temperature protection, Overload protection, Water protections			
Illumination	-	-	-	-
Illumination difference	-	-	-	-

Model	BTST-1605	BTST-1606	BTST-1607	BTST-1608
Capacity	1000 L		1500 L	
Temperature Range	0-65°C			
Temperature Stability	±0.5°C			
Temperature Uniformity	±2°C			
Humidity control range	39-95%RH	40-95%RH	41-95%RH	42-95%RH
Humidity Stability	±3%RH			
Cooling system cooling mode	Two sets of imported compressor work rotationally			

Controller	Programmable (touch screen)			
Sensor	Temp: Pt100, Humidity: capacitance sensor			
Ambient Temperature	RT+5-30°C			
Electrical Requirement	AC 380 V 50 Hz			
Power Consumption	7150 W		10600 W	
Interior Dimension	1050Wx590Dx1650H mm		1550Wx590Dx1650H mm	
External Dimension	1610Wx890Dx2000H mm		2110Wx890Dx2000H mm	
Shelves	4 pcs			
Safety Device	Compressor overheating and overpressure protection, Fan overheating protection Over temperature protection, Overload protection, Water protections			
Illumination	-	-	-	-
Illumination difference	-	-	-	-

Model	BTST-1609	BTST-1610	BTST-1611	BTST-1612
Capacity	500 L		800 L	
Temperature Range	0-65°C without illumination	10-50°C with illumination	0-65°C without illumination	10-50°C with illumination
Temperature Stability	±0.5°C			
Temperature Uniformity	±2°C			
Humidity control range	43-95%RH	44-95%RH	45-95%RH	46-95%RH
Humidity Stability	±3%RH			
Cooling system cooling mode	Two sets of imported compressor work rotationally			
Controller	Programmable (touch screen)			
Sensor	Temp: Pt100, Humidity: capacitance sensor			
Ambient Temperature	RT+5-30°C			
Electrical Requirement	AC 220 V 50 Hz		AC 380 V 50 Hz	
Power Consumption	3910 W		7350 W	
Interior Dimension	670Wx725Dx1020H mm		800Wx590Dx1650H mm	
External Dimension	850Wx1100Dx1930H mm		1360Wx890Dx2000H mm	
Shelves	4 pcs			
Safety Device	Compressor overheating and overpressure protection, Fan overheating protection Over temperature protection, Overload protection, Water protections			
Illumination	0-6000LX adjustable			
Illumination difference	≤±500LX			

Model	BTST-1613	BTST-1614	BTST-1615
Capacity	1000 L	1500 L	
Temperature Range	0-65°C without illumination	10-50°C with illumination	
Temperature Stability	±0.5°C		
Temperature Uniformity	±2°C		
Humidity control range	47-95%RH	48-95%RH	49-95%RH
Humidity Stability	±3%RH		
Cooling system cooling mode	Two sets of imported compressor work rotationally		
Controller	Programmable (touch screen)		
Sensor	Temp: Pt100, Humidity: capacitance sensor		
Ambient Temperature	RT+5-30°C		
Electrical Requirement	AC 380 V 50 Hz		
Power Consumption	7350 W		10800W
Interior Dimension	1050Wx590Dx1650H mm		1550Wx590Dx1650H mm

External Dimension	1610Wx890Dx2000H mm	2110Wx890Dx2000H mm
Shelves	4 pcs	
Safety Device	Compressor overheating and overpressure protection, Fan overheating protection Over temperature protection, Overload protection, Water protections	
Illumination	0-6000LX adjustable	
Illumination difference	$\leq \pm 500\text{LX}$	



BTST-1601



BTST-1602



BTST-1603



BTST-1604



BTST-1605



BTST-1606



BTST-1607



BTST-1608



BTST-1609



BTST-1610



BTST-1611



BTST-1612



BTST-1613



BTST-1614



BTST-1615



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