PLC Touch Screen Humidity Chamber

Features

- Polished stainless-steel chamber, semicircular arcs at corners for easy cleaning, and the height between the shelves in the chamber are adjustable.
- Homogeneity air circulating system.
- With temperature and humidity sensor.
- With programmable controller, large LCD screen.
- R134A refrigerant, With compressor and fan motor.
- A 25mm validation port on side of the chamber for easy testing operation and temperature validation.
- Over temperature and temperature deviation alarms.
- Compressor over-heat and over-load protections, fan motor over-heat and water-lack protections.
- Independent audible and visible temperature-limiting alarm system ensures experiments run safely.

Options

- Micro printer
- Independent temperature limiting alarm system.
- RS485 connector can connect computer to record and print the parameters and the variations of temperature.

Specifications

Model	BPS-50CH BPS-100CH	BPS-50CL BPS-100CL BPS-100CA BPS-100CB	BPS-250CL BPS-250CA BPS-250CB	BPS-500CL BPS-500CA BPS-500CB	BPS-800CL BPS-800CA	BPS-1000CL BPS-1000CA
Temperature control range	RT+10~85℃	L:-10~100℃ A:-20~100℃ B:-40~100℃				
Temperature accuracy	0.1℃					
Temperature Stability	±1.0℃	High temp:±0.5℃ Low temp:±1℃				
Humidity control range	80~95%RH	35~95%RH				
Humidity Accuracy	±3%RH					
Power Consumption	1450W 1650W	1700W 1900W 2300W 7050W	2300W 2700W 7100W	3850W 4150W 7850W	8050W 8050W	8050W 8050W
Ambient Temperature	+5~30℃					
Electrical Requirement	220V 50HZ	220V 50Hz 220V 50Hz 220V 50Hz 380V 50Hz	220V 50Hz 220V 50Hz 380V 50Hz	380V 50Hz	380V 50Hz	380V 50Hz
Interior Dimension(W×D×H,mm)	350×300×500 500×400×550	350×300×500 500×400×550	600×500×820	800×700×900	965×700×1430	900×700×1600
Exterior Dimension(W×D×H,mm)	720×620×725 650×800×1310	720×620×725 650×800×1310	750×900×1580	1000×1100×1860	1475×890×1780	1410×890×1950
Shelves	2PCS	2PCS	3PCS	3PCS	3PCS	3PCS

PLC Touch Screen Humidity Chamber With Refrigeration System

The humidity chamber creates a climate of temperature and humidity, perfectly designed for the high requirements of stability and climate tests, conditioning or ageing. In each individual appliance, there is a homogenous and stable temperature and humidity distribution over the entire chamber. Chamber complies with the strict requirements of DIN 12880:2007-05 and is equipped with a maximum of safety functions.

Features

- Colorful touch screen with microprocessor controller with timing function.
- Mirror polished stainless steel chamber with arc welding is easy to clean and disinfection.
- Accurate control of heating and refrigeration system ensure homogeneity of temperature and humidity.
- Refrigeration system colds down and condenses steam to ensure accurate humidity and temperature.
- R134A refrigerant is friendly to environment.
- Reserved φ25 validation port is easy to validate the temperature real time.
- Independent temperature limits switch as secondary safety assurance.
- Programming setting function with 7 periods and 9 steps for each period, which means there are 63 programmable steps in total. (option)
- Microprinter and USB connection provides data recording.

Specifications

Model	BH-60	BH-120	BH-250
Effective volume	68L	120L	252L
Temperature control range	-10~80℃	-10~80℃	-10~80℃
Temperature homogeneity(@25℃)	±1.0℃	±1.0℃	±1.0℃
Temperature accuracy	0.1℃	0.1℃	0.1℃
Humidity control range	40~95%RH	40~95%RH	40~95%RH
Humidity deviation	±3%RH	±3%RH	±3%RH
Timer Range	1~5999min	1~5999min	1~5999min
Number of Shelves	2	3	3
Max Number of Shelves	10	14	16
N/W	95Kg	115Kg	135Kg
Interior Dimension(W×H×D,mm)	400×450×380	500×600×400	550×750×600
Exterior Dimension (W×H×D,mm)	570×1120×780	670×1270×200	720×1420×1000
Electrical Requirement	220V 50Hz	220V 50Hz	220V 50Hz
Power Consumption	2200W	2300W	2500W