

COMMODITY DESCRIPTION

H.S. Code	Item No	Description	Unit	Quantity
		Drug Stability Test Chamber	SET	1

A. Model Name : JSDS-300C

B. Product Description : Drug Stability Test Chamber

C. Manufacturer / Origin : JS Research Inc. / Rep. of KOREA

D. Application :

JSDS-Series Temperature and Humidity Drug Stability Chamber designed for Drug Stability Test for pharmaceutical industry meets the requirement of ICH Guideline Q1A (Stability Test)

E. Photo



JSDS-300C Drug Stability Test Chamber

F. Feature

Basic Controller (JSC-4CP Programmable Controller)

- ✓ High precision Digital PID Microprocessor controls temperature, humidity, lighting and CO₂ concentration in one integrated unit with easy to use 4-line back-light LCD display interface
- ✓ Programmable operation capability of various climatic conditions of temperature and humidity with time duration up to 11 Segments 999 cycles or unlimited repeating operation
- ✓ Class A Pt-100 Ω temperature sensor
- ✓ Precision electronic humidity sensor

Optional Controller (JSC-2500 Touch Screen Controller)

- ✓ 5.7" TFT-LCD Touch Screen Programmable PID Controller
- ✓ 120 Patterns memory 1200 Segments 999 times repeatable
- ✓ RS-232C or RS-485 Multi-Drop serial communication up to 31 instruments and PC software
- ✓ SD memory card save parameter, patterns and trend data logging
- ✓ Maximum 9 zone PID group for different temperature and humidity range for better control accuracy
- ✓ Temperature calibration and auto-tuning function
- ✓ Class A Pt-100 Ω sensor and electronic humidity sensor

Optional Controller (JSC-950 Touch Screen Controller)

- ✓ 5.6" TFT-LCD Touch Screen Programmable PID Controller
- ✓ 120 Patterns memory 1200 Segments 999 times repeatable
- ✓ RS-232C or RS-485 Multi-Drop serial communication up to 31 instruments and PC software
- ✓ 64 MB Internal memory save parameter, patterns and trend data logging
- ✓ Maximum 9 zone PID group for different temperature and humidity range for better control accuracy
- ✓ Temperature calibration and auto-tuning function
- ✓ Class A Pt-100 Ω sensor and electronic humidity sensor

Construction

- ✓ Durable epoxy powder coated metallic casing
- ✓ Corrosion resistant Stainless Steel 304 chamber
- ✓ Durable Stainless Steel 304 Sheath Heater and Copper-Aluminum fin evaporator
- ✓ Removable and height adjustable shelf
- ✓ Built-in humidifier and automatic water supply
- ✓ Double layer vacuum tempered safety glass side wall on light bank

- ✓ Tempered Safety inner glass door

Performance

- ✓ Forced air circulation of controlled temperature and humidity to achieve excellent thermal uniformity
- ✓ Durable Stainless Steel 304 Sheath Heater and copper-aluminum finned evaporator
- ✓ Temperature control within ± 0.1 °C resolution
- ✓ Humidity control within $\pm 1.0\%$ RH resolution
- ✓ Separate heating and cooling compartment prevents contamination and maintenance free
- ✓ Cooling system with hermetically sealed compressor

Convenience

- ✓ Outer door with self adhesive magnetic packing
- ✓ Inner glass door with air tight gasket for easy observation of sample during experiment.
- ✓ Removable and height adjustable shelf by 25mm spacing
- ✓ Easy to access Light Bank System for convenient maintenance
- ✓ Corrosion resistant Stainless Steel 304 (ASTM 304) chamber
- ✓ Auto-defrost system, user settable interval and time
- ✓ Built-in casters for easy transport

Safety

- ✓ DUAL OVER TEMP. CUT-OFF
Digital system cut-off heater and AUDIO VISUAL ALARM in case +2 °C above set temperature
Analog system cut-off heater 10% above set temp.
- ✓ MAX TEMP CUT-OFF heater and AUDIO VISUAL ALARM when +1 °C above maximum limit
- ✓ OVER COOLING. CUT-OFF
Digital system automatically cut-off compressor in case -3 °C below set temperature
- ✓ SENSOR DISCONNECTION ALARM
- ✓ LOW WATER LEVEL ALARM AND CUT-OFF
- ✓ HUMIDIFIER DRY-BURN PROTECTION
- ✓ OVER CURRENT CUT-OFF : Electric Leakage Breaker

G. Specifications

Chamber Volume (Capacity)	300 Liters
Inner Dims. (W x D x H)	500 x 500 x 1200 mm
Outer Dims. (W x D x H)	690 x 835 x 1985 mm
No. of Shelves included	3 EA
No. of Shelf position	35 EA by 25 mm spacing
Heating	Forced Air Convection
Cooling	CFC Free air cooled compressor

Control	Program Mode 1 Patterns Memory 11 Segments Manual Mode Fixed Temp. operation with timer
Temp. Range	+10°C ~ +70°C
Accuracy	±0.3°C at +20°C, 60% RH
Uniformity	±1.0°C at +20°C, 60% RH
Sensor	Class A PT-100 Ω Sensor
Humidity Range	30% ~ 85% RH
Accuracy	±3.0% at 60% RH
Uniformity	±6.0% at 60% RH
Sensor	Electronic Humiral Sensor
Lamp configuration	3 ea x 36 Watt fluorescent tube
Safety	Over-Temperature Cut-Off Low water level Cut-Off Over Current Cut-Off
Material	Body : Epoxy Powder Coated Steel Chamber : Stainless Steel 304
Electrical Requirement	220 ± 10% VAC, 50/60Hz, 1-Phase
Heater Capacity	3.1 kW
Power Rating	19 amps
Plug Configuration	30 AMP Plug

H. Standard Accessories

- PVC Coated Wire Shelf : 3 EA
- Shelf Support : 12 EA
- Instruction Manual : 1 EA
- Warranty Card : 1 EA

I. Options & Accessories

Art No.	Descriptions
OEC-006	JSC-2500 Touch Screen Controller
OEC-007	JSC-950 Touch Screen Controller
OER-010	6-Channel Chart Recorder
PHS-C05	PVC Coated Wire Shelf, W470 x D480 mm
PHS-A99	Shelf Support, Set of 4 EA

J. Warranty

1 Year full coverage warranty