

COMMODITY DESCRIPTION

| H.S. Code | Item No | Description | Unit | Quantity |
|--------------|---------|---|------|----------|
| 8418.50.1000 | | Programmable Refrigerated BOD Incubator | SET | 1 |

A. Model Name : JSBI-420CP

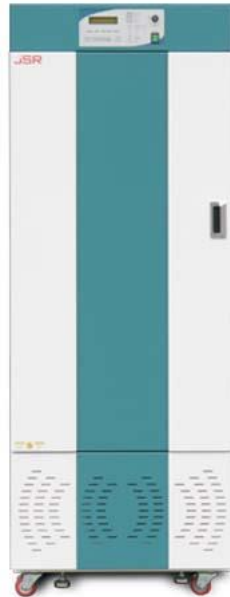
B. Product Description : Programmable Refrigerated BOD Incubator

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

D. Application :

JSBI-CP Series Programmable Refrigerated BOD Incubator gives excellent incubation conditions below ambient temperature for bacterial, fungal, cell and tissue culture incubation with temperature vs time programming up to 5 patterns internal memory and 80 temperature segments range from 0 °C to 70 °C.

E. Photo



JSBI-250CP Programmable Refrigerated BOD Incubator

F. Feature

Controller (JSC-5D Programmable Controller 5 Patterns 80 Segments)

- ✓ ± 0.1 °C Programmable 16-bit Microprocessor PID Controller
- ✓ Two-line back-light LCD Display
- ✓ 5 Patterns Memory 80 Segments 999 Cycles repeatable
- ✓ Supports Constant Temperature Mode / Program Mode
- ✓ Pattern link function / Segment skip function
- ✓ Automatic STOP timer
- ✓ Adjustable timer scale 99min 59sec / 99hr 59min continuous operation
- ✓ Temperature calibration function
- ✓ Auto-tuning function
- ✓ Class A Pt-100 Ω sensor

Construction

- ✓ Durable epoxy powder coated metallic casing
- ✓ Corrosion resistant Stainless Steel 304 chamber with seamless round cornered edge allows easy decontamination and prevents leakage
- ✓ Durable Stainless Steel 304 Sheath Heater and Copper-Aluminum fin evaporator
- ✓ Tempered safety inner glass door for easy observation of samples

Performance

- ✓ Forced circulation for excellent thermal uniformity within ± 0.2 °C
- ✓ 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 high density silicone packing and air-tight door lock
- ✓ Stainless Steel 304 Chamber with seamless round cornered edge allows easy decontamination and prevents leakage
- ✓ Removable and height adjustable shelf by 25mm spacing
- ✓ Adjustable automatic defrost system

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
- ✓ OVER CURRENT CUT-OFF : Electric Leakage Breaker

G. Specifications

| | |
|----------------------------|---|
| Chamber Volume (Capacity) | 420 Liters |
| Inner Dims. (W x D x H) | 700 x 600 x 1000 mm |
| Outer Dims. (W x D x H) | 880 x 910 x 1830 mm |
| Inner Glass Door (W x H) | 761 x 1077 mm |
| No. of Shelves included | 3 EA |
| No. of Shelf position | 36 EA by 25 mm spacing |
| Heating | Forced Air Convection |
| Cooling | CFC Free air cooled compressor, 1/3 HP |
| Temp. Range | +0°C ~ +70°C |
| Accuracy | ±0.2°C at +20°C |
| Uniformity | ±0.5°C at +20°C |
| Control | Program Mode 5 Patterns Memory 80 Segments Manual Mode Fixed Temp. operation with timer |
| Sensor | Class A PT-100 Ω Sensor |
| Safety | Over-Temperature Cut-Off Over Current Cut-Off |
| Material | Body : Epoxy Powder Coated Steel, 1.0 mm thickness Chamber : Stainless Steel 304, 0.8 mm thickness Inner Glass Door : Tempered Safety, 5 mm thickness |
| Electrical Requirement | 220 ± 10% VAC, 50/60Hz, 1-Phase |
| Heater Capacity | 1.5 kW |
| Power Rating | 10.3 amps |
| Plug Configuration | CEE 7/7 Schuko or BS 1363 |
| Net Weight | 180 kg |
| Shipping Weight | 225 kg |
| Shipping Dims. (W x D x H) | 1030 x 1070 x 1990 mm, wooden crating |

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-003 | JSC-3D Programmable Controller 1 Pattern 11 Segments /w RS-232C Interface, PC Software |
| OEA-001 | Power Outlet Consent in Chamber for CEE 7/7 Schuko Plug |
| OEA-002 | Power Outlet Consent in Chamber for BS 1363 Plug |
| PHS-A13 | Perforated Shelf, Stainless Steel 304, W670 x D580 mm |
| PHS-C06 | PVC Coated Wire Shelf, W670 x D580 mm |
| PHS-A99 | Shelf Support, Set of 4 EA |

J. Warranty

1 Year full coverage warranty