2-Chamber Incubators | Air Jacket Type

INC822C

Natural Convection | Forced Convection | Automatic Overheating Preventer | Overheating Preventer | Self-diagnostic Function | Power Failure Compensation Function | Overcurrent Leakage Circuit Breaker

Operating temp. range	Upper section: RT+10~80℃	Lower section: -10~60℃

Temp. uniformity	≤2.0℃ (at 37℃)

Internal capacity	Upper section: 150L	Lower section: 143L

1 product can simultaneously perform high temperature incubation and low temperature incubation.

Features

- The upper chamber is a constant temperature chamber with a constant value operation and timer function overheat prevention device, and the lower chamber is a low temperature incubator with 6 programs setting of 10 segments to 30 segments.
- The lower chamber achieves high-precision temperature control and balanced internal temperature distribution through forced air circulation by fan blades.
- The inner glass door enhances the insulation effect. Observation of samples through the inner glass door minimizes temperature changes.
- Defrosting can be set to cycle defrost based on the continuous operation time of the compressor.
- After power outage, the operation can automatically restart under the set temperature conditions through the power outage compensation function.
- Both upper and lower chambers are equipped with door locks.

Safety

- Equipped with safety functions such as refrigerator overload relay, independent overheat prevention device, overcurrent leakage protection switch, self-diagnosis circuit (temperature sensor abnormality, heater disconnection, SSR short circuit, automatic overheat prevention), buzzer alarm in case of abnormality, etc.

Specifications

Model			INC822C	
Basic structure			Lower chamber: low temperature incubator	Upper chamber: constant temperature incubator
Performance	Operating temp. range		-10~60℃	Room temp. +5~80℃
	GB standard	Temp. fluctuation	±0.5℃	±0.1℃ (at 37℃)
		Temp. uniformity	≤2.0℃ (at 37℃), ≤3.0℃ (other working temperatures)	±1.5℃ (at 37℃)
	Heating time		20~52℃≤20min	—
	Cooling time		20~-4℃≤60min	—
System			Forced convection	Natural convection
Composition	Interior material		Stainless steel (SUS304)	
	Heater, insulation material		Nickel-chromium alloy heating wire, foamed polystyrene	Nickel-chromium alloy heating wire, glass wool
	Heater power		550W	400W
	Air blower		Crossflow fan	—
	Refrigerator, refrigerant		158W R134A	—
	Defrost mechanism		Cycle operation	—
	Cable port		Internal diameter 30 mm right side of the body	Internal diameter 30 mm right side of the body
	Exhaust vent		—	30 mm roof of the body
	Controllers		VS6 type program operation temperature controller	VS6 type constant value operation temperature controller
	Sensors		Temperature controller; Pt resistance thermometer	Temperature regulator: Pt thermal resistor, for overheat protection: K-type thermocouple
	Heater control		SSR control	
	Additional functions		Deviation correction, key lock, power outage compensation	
Operation functions			Program operation (30 segments×1, 15 segments×2, 10 segments×3), automatic stop operation, automatic start operation	Automatic stop operation, automatic start operation
Safety device			Refrigerator overload relay, independent overheat prevention device, overcurrent leakage protection switch, self-diagnosis circuit (temperature sensor abnormality, heater disconnection, SSR short circuit, automatic overheat prevention), buzzer alarm in case of abnormality	
Specifications	Power supply (50/60Hz) rated current		AC220V 6A	
	External dimensions (W × D × H mm)		710×656×1792	
	Internal dimensions		600×477×500 Internal volume: 143L	600×530×500 Internal volume: 150L
	Shelf layers/shelf support interval		13 layers/30mm	
	Shelf load		Approx. 15 Kg/piece	
	Product weight		Approx. 160 Kg	
Accessories	Shelf		Stainless punching mesh plate	
			3 pcs	2 pcs
	Supports		6 pcs	4 pcs
	Door key		2 pieces per chamber	
Options			Shelf (1 shelf with 2 supports) micro printer, data logger, combination warning light (standby/running/fault), external communication function (RS485), temperature output terminal (4~20mA), external alarm output terminal, time-up output terminal, centralized monitoring software, and touch screen controller	

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