Double Chamber Incubator (Natural Convection & Low Temp.)

High temp. in upper chamber, low temp. in lower chamber

INC820

(Upper chamber)

Forced convection circulation (Lower chamber)

Self-diagnosis

Independent overheat protector



Operating temp. range RT+5~80°C 4~50°C Lower chamber

Temp. distribution accuracy

±1.0°C (at 37°C)

Upper chamber

Lower chamber

High-temp. and low-temp. incubation conducted for 1 set of product simultaneously.

Operation and functions

- Upper chamber is fixed-temp. constant temp. oven with timing function and overheat protector while lower chamber is low constant temp. incubator available to set 6 programs of 30~10 steps.
- Lower chamber has cycle/manual defrost function, easy to defrost.
- Door locks are set at both upper and lower chambers.

Safety features

• Self-diagnosis circuit (abnormal temp. sensing, heater dis-connection, auto overheat prevention, SSR short circuit), overheat protector, electric leakage breaker, key lock, etc.

Cable Port

Upper chamber, I.D. ϕ 30mm (SUS)



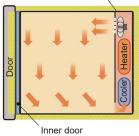




Upper chamber [Front view]



Lower chamber (Low temp.) [Side view] Circulation fan



Specifications

Model	INC820		
System	Natural convection by air jacket	Forced convection circulation	
Basic constitution	Upper chamber: High temp. incubator	Lower chamber: Low temp. incubator	
Operating temperature range	RT+5~80°C	4~50°C	
Temp. control accuracy*1	±0.5°C(at 37°C)	±0.3°C(the refrigerator in continuous operation)	
Temp. distribution accuracy*1	±1.0°C (at 37°C)	±1.0°C (at 37°C the refrigerator in continuous operation)	
Interior material	Stainless steel		
Refrigerator, refrigerant	-	Air cooling 250W, R404A	
Defrost structure	-	Manual / cycle	
Cable hole	I.D.30mm (right side)	I.D.50mm (right side)	
Exhaust port	30mm on the top with damper, 2 pcs.		
Controller	VS3 fixes temp. operation	VS4 program operation	
Sensor	Pt100 Ω		
Operation function	Fixed temp., Quick auto stop, Auto start, Auto stop	Program (30 steps×1, 15 steps×2, 10 steps×3), Fixed temp., Quick auto stop, Auto start, Auto stop	
Safety device	Self-diagnosis circuit (Abnormal temp. sensing, Heater disconnection, Auto overheat prevention, SSR short circuit), Key lock, Overheat protector, Overcurrent ELB		
Internal dimensions	W600×D530×H500mm	W600×D477×H500mm	
External dimensions*2	W710×D656×H1792mm		
Internal capacity	150L	143L	
Shelf plate load	15kg / pc.		
Shelf rest step number / pitch	13 steps / 30mm	13 steps / 30mm	
Power supply (50/60Hz) rated current	AC220V 7A single phase with step-down transformer		
Weight	Approx. 160kg		
Shelf plate	Stainless punching metal		
Shelf / Shelf brackets	2 pcs. / 4 pcs.	3 pcs. / 6 pcs.	
Door key	2 pcs / each chamber		

*1 Conditions: temperature and humidity: 23°C±5°C, 65%RH±20% (no load)

Shelf & Bracket for Upper chamber



*Shelves and brackets are different in size for the upper and lower chamber.

Optional items		
Description		Product Code
Stainless punching metal shelf (with bracket 2 pcs.) (loading up to 15kg/shelf)	for Upper chamber	212266
Stainless punching metal shelf (with bracket 2 pcs.) (loading up to 15kg/shelf) for Lower chamber		211221
Stainless wire shelf (with bracket 2 pcs.) (loading up to 20 kg/shelf)	for Upper chamber	213464
Stainless wire shelf (with bracket 2 pcs.) (loading up to 20 kg/shelf)	for Lower chamber	211898
Drain water tray (4L, SUS) Mounted under the main body		
*External communication terminal (RS485) /chamber		
*External communication adapter, RS485-RS232C (conversion) / chamber		
*Temperature output terminal (4-20mA) ODK12 /chamber		

^{*} Please specify when ordering main unit.

^{*2} Do not include protrusions