

Double Chamber Incubator (Low temp.)

IQ822

Forced convection circulation

Cable hole

Operating temp. range -10~50°C

Temp. distribution accuracy ±1.0°C (at 37°C)

Internal capacity 143L×2

Self-diagnosis

Independent overheat protector

Overcurrent ELB

Double chamber low temperature incubator with independent program.

- Control panel on the door makes operation easier.
- Six programs can be registered from 30 steps to 10 steps according to specific tests including incubation-storage process.
- Simply pressing the special button allows setting of manual defrosting operation in addition to cycle defrosting operation (fixed).
- Large cable ports of I.D.50 mm on each chamber.
- Comprehensive safety functions including self diagnostic, key lock, electric leakage breaker with over current protection, overheat preventive device.
- Door keys included.



143L×2 chamber
IQ822

Specifications

| Model | IQ822 |
|--------------------------------|--|
| System | Forced air convection |
| Operating temp. range | -10 to +50°C (for both upper and lower stage) |
| Temp. adjustment range | ±0.3°C (During continuous operation of freezer, for both upper and lower stage) |
| Temp. distribution accuracy*1 | ±1.0°C (Continuous operation of freezer at 37°C, for both upper and lower stage) |
| Time to attain max. temp.*1 | 20 to 50°C Approx. 25 min |
| Time to attain min. temp.*1 | 20 to -10°C Approx. 45 min |
| Interior material | Stainless steel plate, 2-chamber system |
| Exterior material | Chrome free electronic galvanized plated steel plate, Chemical proof baking finish |
| Freezer cooling medium | R404A |
| Defrosting mechanism | Manual defrosting (Manual ON / Auto OFF), Cycle defrost |
| Sensor | Platinum resistance temperature detector: Pt100Ω (Temperature controller), K-thermocouple (Overheat preventive device) |
| Cable port | I.D. 50 mm (right side, upper / lower stages) |
| Temp. control system | PID control with a micro computer |
| Temp. setting system | Digital setting system the dedicated select keys |
| Temperature display | Set temperature display: 4-digit green LED digital display Temperature display: 4-digit red LED digital display |
| Timer | 1 to 99 hrs 59 min or 100 to 999 hrs 50 min (Timer wait function) |
| Operation functions | Fixed value, Program (up to 30 steps × 3 patterns), Auto start, Auto stop, Quick auto stop |
| Additional functions | Calibration offset, Power outage compensation |
| Safety device | Self diagnostic (Memory error, Temp. Sensor error, Heater disconnection, SSR short-circuit, Automatic overheat prevention, etc.), Key lock, Over current ELB, Overheat preventive device |
| Internal dimensions | W600×D477×H500mm |
| Internal capacity | 143L×2 chambers |
| External dimensions*2 | W710×D645×H1,675mm |
| Shelf load capacity | 15 kg / unit |
| Shelf rest step number / pitch | 13 stages×2 chambers / 30 mm |
| Power supply (50/60z) | AC220V Single phase with step-down transformer |
| Weight | Approx.165 kg |
| Accessories | Shelf / shelf support Stainless steel punching metal 3 stages×2 chambers = 6 / 6×2 chambers = 12 Door keys 2 keys×2 sets |

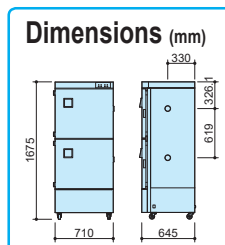
*1 Conditions: temperature and humidity: 23°C±5°C, 65%RH±20% (no load)

*2 Do not include protrusions

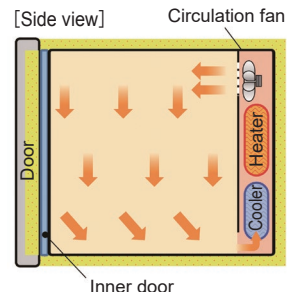
Optional items

| Description | Product Code |
|---|--------------|
| Stainless punching metal shelf (loading up to 15kg/shelf) | 211221 |
| Stainless wire shelf (with support 2 pcs., loading up to 20 kg/shelf) | 211898 |
| Drain water tray (4L, SUS) Mounted under the main body | 213466 |
| *Temperature output terminal (4-20mA) / stage | 281179 |
| *Time-up output terminal*3 | 281180 |
| *External communication terminal (RS485)*3 | 281181 |
| *External communication adapter, RS485-RS232C (conversion) | 281182 |
| *External alarm terminal | 281183 |

* Please specify when ordering main unit
*3 Please choose one or the other



Method



Defrost key and Door key

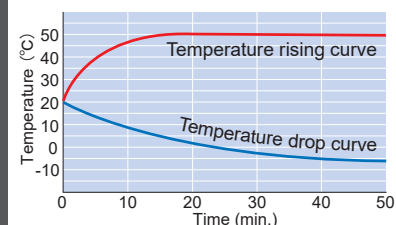


Cycle defrosting operation (fixed) and manual defrosting operation can be performed with the dedicated keys. The door is equipped with a key for security.

Interior / Cable port



Temp. rise / drop characteristic curves



Shelf & Bracket

