

CO2 Incubator

IT400/600/820

Model		
400	600	820
Operating Temperature Range		
Room temp. +5deg.C to 50 deg.C		
CO2 Density Adjustable Range		
0.1 to 20.0%		
Internal Capacity		
72L	133L	133L x2 Baths

Features

- Corners in the Chamber are all with R and Four Corners on backside in the chamber have Ball Corner Structure to be cleaned easily and to prevent contamination.
- Control CO2 uniformity by Mild Convection at CO2 purging and with Automatic Fan Stop at Door Open.
- The Temp. Sensor inside Chamber can control the camber temp. with no affection by Outside Temp.
- Visualized Operating Condition
- Internal dimension is designed for easy setting for petri dishes and easy loading in/out by the optional tray.
- No Drain Treatment Required
- No Tools Required for Fix/Unfix Chamber Fan.
- User Friendly Structure ; Easy to change Fan Motor, Temp. Sensor and Density Sensor.
- Temporary Sample Protection by Heat-insulated Structure of Water Jacket and by stop supplying CO2 in case of Break Out.

Control Panel



Interior



Size (mm)



Specifications

Model	IT400	IT600	IT820
■ Performance			
Heating System	Water Jacket		
Humidify System	Natural Evaporation by Water in Vat		
CO ₂ Density Control	CO ₂ Sensor Detection		
Stirring Type	Breeze Convection by Electric Fan		
Operating Surrounding Temp. Range	5 to 30 deg.C		
Operating Temp. Range	Room Temp. +5 to 50 deg.C		
Operating Humidity Range	More than 95%R.H.		
CO ₂ Density Adjustable Range	0.1 to 20.0%		
Temp. Adjustment Accuracy	±0.1deg.C(at 37deg.C)		
Temp. Distribution Accuracy	±0.2deg.C (at 37deg.C)		
CO ₂ Density Adjust Accuracy	±0.1% (at 5% CO ₂)		
■ Components			
Temp. Controller	PID Control by Microcomputer		
CO ₂ Controller	P Control by Microcomputer		
Water Bath, Inner Bath, Door Temp. Sensor	Pt Sensor		
CO ₂ Sensor	Infrared Ray Absorption Type		
Independent Overheat Prevention Sensor	K-thermocouple		
Temp. Setting Type	Digital Setting / Display		
CO ₂ Density Setting Type	Digital Setting / Display		
Water Bath Heater	280W	340W	340W x 2 baths
Door Heater	40W		40W x 2 baths
Dehumidifier	Peltiert Device		
Cable Hole	Φ32mm		Φ32mm x 2
■ Safety Device			
Safety Countermeasure	Self Diagnosis Function (Temp. Sensor Error, Triac Short Circuit, Heater Wire Cut Off, Automatic Overheat Prevention), Key Lock Function, Door Switch, Independent Overheat Prevent Function, Electric Leakage Breaker		
■ Standard			
Internal Dimensions	W409 x D426 x H414mm	W609 x D426 x H514mm	W609 x D426 x H514mm x 2baths
External Dimensions	W545 x D646 x H805mm	W745 x D646 x H905mm	W745 x D646 x H1,811mm
Internal Capacity (Approx.)	72L	133L	133L x 2bath
Shelf Max. Load	Maximum 5kg/pc.		
Shelf Qty	12pcs.	14pcs.	14pcs. x 2
Power	AC100V, 50/60Hz, 4A	AC100V, 50/60Hz, 5A	AC100V, 50/60Hz, 9A
Weight	Approx. 100kg	Approx. 115kg	Approx. 220kg
Accessory	Shelf (Aluminium Made, Shelf Pole (Left & Right), Shelf Pole Support, Level Adjustment Screw (IT820: Fixed on Body), Vat for Humidify, CO ₂ Supplying Hose, Hose Band		

■ Optional Item
Stand
Mounting Parts
Shelf
Tray for Petri Dish
Inner Small Door
Humidifying Water Level Checker
External Alarm Terminal
CO2 Gas Cylinder Changer

CO2 Sensor

