

High-temp. Incubators | Fixed Temp. Operation, Air Jacket Type, High Temp. Uniformity

ICF410C/610C/810C/910C

Operating temp. range RT+10~80°C

Temp. distribution accuracy ±0.5°C (at 37°C)

Internal capacity 89L 147L 294L 524L

Higher temperature uniformity, long-term hot sale constant temperature operation type incubators.



Features

- Achieved higher precision temperature control and balanced internal chamber distribution through forced circulation by an internal fan.
- Double door structure reduces heat loss, maintaining a stable constant temperature state.
- Inner door is made of reinforced glass, allowing observation of the interior.
- Easy to operate, fixed temp. operation, quick auto stop operation, auto stop operation, and auto start operation are achievable.
- Deviation correction setting and key lock setting are available.

Safety

- Equipped with self-diagnostic circuit (temperature sensor error detection, heater disconnection protection, automatic overheating prevention, SSR short-circuit protection), overheating prevention, overcurrent leakage protection switch, key lock and other safety functions.

Specifications

Model		ICF410C	ICF610C	ICF810C	ICF910C
System		Forced convection			
Performance	Operating temp. range	Room temp. +10~80°C (at an ambient temperature of 23°C, under no load)			
	GB standard	Temp. fluctuation	±0.2°C (at 37°C)		
		Temp. uniformity	±1°C (at 37°C)		
	JTM standard	Temp. adjusting accuracy	±0.1°C (at 37°C)		
Temp. distribution accuracy		±0.5°C (at 37°C)			
Composition	Interior material	Stainless steel plate SUS304			
	Exterior material	Cold rolled steel plate with chemical proofing coating			
	Insulating material	Glass fiber			
	Heater	Nichrome heating wire			
		0.36kW	0.48kW	0.88kW	1.45kW
	Fan	1 pcs		2 pcs	4 pcs
Exhaust vent	I.D. 30mm×2 (top)		I.D. 30mm×2 (one at the right and one at the left)		
Controllers	Temp. control method	PID control			
	Temp. setting method	Use special function menu keys and ▲/▼ keys to realize digital setting			
	Temp. display method	Achieved temp. display: Green 4-digit LED digital display			
		Setting temp. display: Red 4-digit LED digital display			
	Timer	1 min~99 h 59 min and 100~999 h 50 min (including timer waiting function)			
	Operation functions	Fixed temp. operation, auto start, quick auto stop, auto stop			
	Additional functions	Deviation correction, key lock, power outage compensation			
Sensors	Temperature regulator: Pt thermal resistor, for overheat protection: K-type thermocouple				
Safety device		Self-diagnostic function (temperature sensor anomaly, SSR short circuit, heater disconnection, automatic overheat prevention), key lock function, overheat prevention device, overcurrent leakage protection switch			
Specifications	Internal dimensions (W×D×H mm)	450×440×450	600×490×500	600×490×1000	1070×490×1000
	External dimensions (W×D×H mm)	560×606×820	710×656×870	710×655×1597	1180×655×1615
	Internal capacity	89L	147L	294L	524L
	Shelf load	Approx. 15kg/shelf			
	Shelf layers	9 layers	12 layers	29 layers	29 layers×2
	Support spacing	30mm			
	Power supply (50/60Hz) rated current	AC220V 2A	AC220V 2.5A	AC220V 4.5A	AC220V 7A
	Weight	Approx. 45kg	Approx. 65kg	Approx. 102kg	Approx. 166kg
Accessories	Shelf	Stainless punching mesh plate			
		2 pcs		4 pcs	8 pcs
	Supports	4 pcs		8 pcs	16 pcs
Options	Stand	ON61C		-	
	Stacking fittings	OD40C	OD60C	-	
	Others	Shelf plate (1 shelf plate with 2 shelf supports), cable port (30/50mm), micro printer, data logger, combined warning light (standby/operation/fault), viewing window, external communication function (RS485), temperature output terminal (4~20mA), external alarm output terminal, timer output terminal, central monitoring software, touchscreen controller			

1 Sterilizers

2 Granulation and Spray Dryers

3 Furnaces

4 Ovens

5 Incubators

6 Plasma Equipment

7 Water Purifiers

8 Baths

9 Water Circulators

10 Rotary Evaporators

11 Stirrers & Shakers

12 Options

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



Control panel



Exhaust vent (ICF410C/610C)



Interior chamber (ICF810C)



Fan switch (built-in)



Sterilizers	1
Granulation and Spray Dryers	2
Furnaces	3
Ovens	4
Incubators	5
Plasma Equipment	6
Water Purifiers	7
Baths	8
Water Circulators	9
Rotary Evaporators	10
Stirrers & Shakers	11
Options	12

Dimension diagram (mm)

