

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

## ICF410C/610C/810C/910C

Operating temp. range RT+5~80°C

Temp. distribution accuracy  $\pm 0.5^{\circ}\text{C}$  (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. +5~80°C			
	GB standard	Temp. fluctuation	$\pm 0.1^{\circ}\text{C}$ (at 37°C)		
		Temp. uniformity	$\pm 1^{\circ}\text{C}$ (at 37°C)		
	JTM standard	Temp. adjusting accuracy	$\pm 0.1^{\circ}\text{C}$ (at 37°C)		
Temp. distribution accuracy		$\pm 0.5^{\circ}\text{C}$ (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			
	Fan	0.36KW	0.48KW	0.88KW	1.45KW
	Exhaust vent	1 pcs		2 pcs	4 pcs
Controllers	Temp. control method	PID control			
	Temp. setting method	Use special function menu keys and up/down 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			
	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	710×656×1619	1180×655×1619
	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			
	Supports	2 pcs	4 pcs	8 pcs	16 pcs
Options	Stand	4 pcs	8 pcs	16 pcs	
	Stacking fittings	ON61C	—	—	—
	Others	OD40C	OD60C	—	—
		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 Muffle Furnaces

4 Ovens

5 Incubators

6 Plasma Equipment

7 Water Purifiers

8 Baths

9 Water Circulators

10 Rotary Evaporators

11 Freeze Dryers &amp; Cold Traps

12 Stirrers &amp; Shakers

13 Washers

14 Analysis and Test Devices

15 Options

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



### Control panel



### Exhaust vent (ICF410C/610C)



### Interior chamber (ICF810C)



### Fan switch (built-in)



- Sterilizers 1
- Granulation and Spray Dryers 2
- Muffle Furnaces 3
- Ovens 4
- Incubators 5**
- Plasma Equipment 6
- Water Purifiers 7
- Baths 8
- Water Circulators 9
- Rotary Evaporators 10
- Freeze Dryers & Cold Traps 11
- Stirrers & Shakers 12
- Washers 13
- Analysis and Test Devices 14
- Options 15

### Dimension diagram (mm)

