

High-temp. Incubators | Air Jacket

IS412C/612C/812C/912C

Operating temp. range RT+5~80°C

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

Internal capacity 97L 159L 318L 567L

From small capacity to large capacity, high-function, long-term hot sale constant temperature incubators.

Features

- Due to the air jacket heat transfer method, the temperature distribution is uniform.
- 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 operation, available for fixed temp., program, quick auto stop, auto stop and auto start operations.
- Use special function menu keys and ▲/▼ keys to realize digital setting. A programmable controller with repeat function and 3 modes.
- Use submenu keys to operate overheat protector, deviation correction and key locking.

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 safety and other safety functions.



Specifications

Model		IS412C	IS612C	IS812C	IS912C
System		Airflow natural convection			
Performance	Operating temp. range	Room temp. +5~80°C			
	GB standard	Temp. fluctuation	±0.5°C (at 37°C)		
		Temp. uniformity	±1.5°C (at 37°C)		
	JTM standard	Temp. adjusting accuracy	±0.2°C (at 37°C)		
Temp. distribution accuracy		±1.0°C (at 37°C)			
Composition	Interior material	Stainless steel plate			
	Exterior material	Cold rolled steel plate with chemical proofing coating			
	Insulating material	Glass fiber			
	Heater	Nichrome heating wire			
	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, program operation			
	Program mode	Programmable controller with 3 modes (30 segments×1, 15 segments×2, 10 segments×3)			
	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	450×480×450	600×530×500	600×530×1000	1070×530×1000
	External dimensions (W×D×H mm)	560×606×820	710×656×870	710×655×1608	1180×655×1615
	Internal capacity	97L	159L	318L	567L
	Shelf load	Approx. 15kg/shelf			
	Shelf layers	11 layers	13 layers	29 layers	29 layers×2
	Support spacing	30mm			
	Power supply (50/60Hz) rated current	AC220V 1.5A	AC220V 2A	AC220V 3.5A	AC220V 5.5A
Weight	Approx. 45kg	Approx. 65kg	Approx. 102kg	Approx. 166kg	
Accessories	Shelf	Stainless punching mesh plate		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

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



Control panel



Exhaust vent (IS412C/612C)



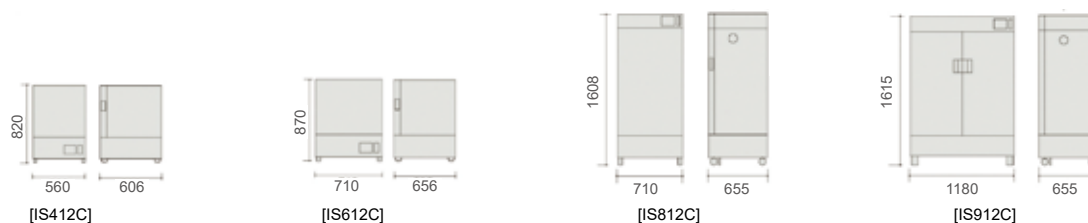
Internal chamber (IS612C)



Shelf · supports



Dimension diagram (mm)



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