

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 90L 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 up/down keys to realize digital setting. With repeat function, 6 modes in total of 90 segments.
- 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			
Operating temp. range		Room temp. +5~80°C			
Performance	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)		
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)	
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, auto stop, program operation			
Program mode		Program operation 6 modes with a total of 90 segments (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	710×656×1619	1180×655×1619
	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 6.5A
Weight	Approx. 45kg	Approx. 65kg	Approx. 102kg	Approx. 166kg	
Accessories	Shelf	Stainless punching mesh plate			
	Supports	2 pcs	4 pcs	8 pcs	8 pcs
Options	Stand	4 pcs	8 pcs	16 pcs	16 pcs
	Stacking fittings	ON61C	—	—	—
	Others	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 Muffle Furnaces

4 Ovens

5 Incubators

6 Plasma Equipment

7 Water Purifiers

8 Baths

9 Water Circulators

10 Rotary Evaporators

11 Freeze Dryers & Cold Traps

12 Stirrers & Shakers

13 Washers

14 Analysis and Test Devices

15 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)



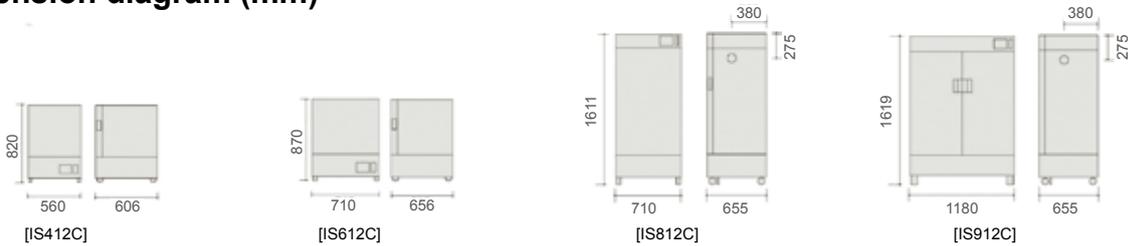
Internal chamber (IS612C)



Shelf · supports



Dimension diagram (mm)



- Sterilizers 1
- Granulation and Spray Dryers 2
- 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
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