

Inert Ovens | Anaerobic, Oxygen Concentration 5000ppm

DF611IC, DH611IC

Operating temp. range DF: RT+10~260°C DH: RT+10~360°C

Temp. deviation DF: ±4.0°C (at 260°C) DH: ±5.0°C (at 360°C)

High-precision constant temperature ovens for thermal treatment in an oxygen-free environment.

Features

- Easy operation, available for fixed temp., program, quick auto stop, auto stop and auto start operations.
- Digital setting through special function menu keys and ▲/▼ keys. Programmable controller with 3 modes.
- Overheat protection, deviation correction and key locking through submenu keys.
- Flow setting and introduction through N₂ flow meter.
- Real-time display of oxygen concentration in the chamber (optional).

Safety

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



Specifications

Model		DF611IC	DH611IC	
System		Forced convection		
Operating temp. range		Room temp. +10~260°C		
Performance	GB standard	Temp. fluctuation	±0.1°C (at 260°C)	
		Temp. deviation	±2°C (at 100°C), ±3°C (at 200°C), ±4°C (at 260°C)	
	JTM standard	Temp. adjusting accuracy	±0.1°C (at 260°C)	
		Temp. distribution accuracy	±2°C (at 260°C)	
Max. temp. reaching time	Approx. 60 min (to 260°C)	Approx. 80 min (to 360°C)		
Lowest oxygen concentration		≤5000ppm		
Composition	Interior material		Stainless steel plate	
	Exterior material		Cold rolled steel plate with chemical proofing coating	
	Insulating material		Rock wool+centrifugal glass wool	
	Heater		Stainless steel heating tubes with fins	
			3.0kW	3.75kW
	Fan blade/motor		Axial fan blades, motor 20W×1	
	Cable port		I.D. 30mm, located at the back	
	Exhaust vent		8mm tapered joint	
Intake port		Rc3/8 threaded interface		
Controllers	Temp. control method		3-stage PID	
	Temp. setting method		Digital setting through special function menu keys and ▲/▼ keys	
	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 failure compensation	
Sensors		K thermocouple (temp. controller and overheating protector)		
Safety device		Equipped with self-diagnostic circuit (temperature sensor anomaly, heater disconnection protection, automatic overheating prevention, SSR short-circuit protection) , overheating prevention, overcurrent leakage protection, key lock safety and other functions		
Specifications	Internal dimensions		600×600×600	
	External dimensions (W×D×H mm)		1200×780×1000	
	Internal capacity		216L	
	Shelf load		30kg/layer	
	Shelf layers/shelf support spacing		9 layers/60mm	
	Weight		Approx. 156kg	
	Power supply (50/60Hz) rated current		AC220V 14A	AC220V 17.5A
Accessories	Shelf		Stainless steel wire mesh plate	
			3 pcs	
	Supports		6 pcs	
Options	Stand		OP63/66C	
	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	

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2 Granulation and Spray Dryers

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6 Plasma Equipment

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8 Baths

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11 Stirrers & Shakers

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