

Inert Ovens | Anaerobic, Oxygen Concentration 5000ppm

DF611IC/DH611IC

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

Temp. distribution accuracy DF: ±2.0°C (at 260°C) DH: ±3.0°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 up/down keys. 6 modes with a total of 90 segments program controller.
- 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	Glass fiber	Rock 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. 30 mm, 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 up/down 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, 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 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. 109kg	
	Power supply (50/60Hz) rated current	AC220V 14A	AC220V 17.5A
Accessories	Shelf	Stainless steel wire mesh plate	
	Supports	3 pcs	
		6 pcs	
Options	Stand	OP62C	
	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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