

Ovens for Labware | Natural Convection, Forced Exhaust

DG410C/450C/810C/850C

Maximum operating temp. RT+5~70°C

Internal capacity 92L 445L

User-friendly and highly praised labware drying oven.

Features

- Equipped with a large observation window for easy observation.
- Capable of drying multiple instruments for storage or use immediately after drying. The interior and exterior are designed with a high thermal insulation double structure.
- The internal heater is a stainless steel heating tube. With a water basin at the bottom, making it safe for instruments with high water droplet levels.
- Interior is made of stainless steel for easy cleaning.
- Models DG450C and DG850C have more multiple functions compared with DG410C and DG810C. An intake filter is installed at the air intake, and a forced exhaust fan is installed on the exhaust side. Additionally, standard sterilization lamps are included for rapid drying and clean drying functions.

Safety

- Equipped with self-diagnostic circuits (temperature sensor anomaly), power failure compensation function, deviation correction function, leakage protection switch against overcurrent, independent overheating preventer, and other safety features.



Specifications

Model		DG410C	DG450C	DG810C	DG850C
System		Natural convection			
Performance · Composition	Operating temp. range	Room temp. +5~70°C			
	GB standard	Temp. fluctuation	±0.5°C (at 70°C)		
		Temp. uniformity	±5.0°C (at 70°C)		
	Interior material	Stainless steel plate			
	Exterior material	Cold rolled steel plate with chemical proofing coating			
	Heater	Stainless steel heating pipe		1.34KW	
		1KW			
	Viewing window (width×height mm)	250×300		250×700	
	Exhaust vent	Internal diameter: 34mm × 2	Axial flow fan forced exhaust	Internal diameter: 34mm × 2	Axial flow fan forced exhaust
	Air intake	Internal diameter: 30mm × 2	Equipped with air intake filter	Internal diameter: 30mm × 2	Equipped with air intake filter
Sterilization lamp	None	1 × 15W sterilization lamp	None	1 × 15W sterilization lamp	
Controllers	Temp. control method	PID control			
	Temp. setting method	Digital setting via function menu key 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, program operation			
	Additional functions	Deviation correction, key lock, power failure compensation			
	Heater circuit control	SSR drive			
Sensors	Temperature controller: K-type thermocouple, overheating protection: Liquid expansion temperature controller				
Safety device		Self-diagnostic function (temperature sensor abnormality, SSR short circuit, automatic overheating preventer), key lock, independent overheating preventer, leakage protection circuit breaker against overcurrent			
Specifications	Internal dimensions (W×D×H mm)	450×450×450		620×600×1195	
	External dimensions (W×D×H mm)	504×562×788	504×562×820	674×711×1586	674×711×1618
	Internal capacity	92L		445L	
	Shelf load	15kg/layer			
	Shelf layers/shelf support spacing	10 layers/30mm		29 layers/30mm	
	Power supply (50/60Hz) rated current	AC220V 5A		AC220V 7A	
	Weight	Approx. 45kg	Approx. 48kg	Approx. 78kg	Approx. 83kg
Accessories	Shelf	Stainless punching mesh plate			
		2 pcs		4 pcs	
	Supports	4 pcs		8 pcs	
Options	Water collection tray	1 pcs			
	Stand	ON61C		—	
	Others	Shelf plate (1 shelf plate with 2 shelf supports)			

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