Glassware Drying Oven

Natural / Forced Convection Ovens for Glassware Drying

DG400C/410C/440C/450C/800C/810C/840C/850C

Operating temp. range	Room temp. +5~70°C	Internal capcaity	92L DG400C/410C/440C/450C	445L DG800C/810C/840C/850C

■ Operation and functions

- Large window for easy observation
- Can be used to store instruments after drying
- Highly efficient heat insulation material for both internal and external structure
- Adjustable foot for stability on uneven floors
- Mobile on casters (DG800C/810C/840C/850C)
- Equipped with stainless steel pipe heater and water receiving plate at the bottom
- Stainless steel interior, easy to clean and highly resistant to corrosion
- DG440C/450C/840C/850C installed with filter at air in-take port, exhaust fan and germicidal lamp for fast drying
- Dial setting and digital display of temperature control and timer

■ Safety features

- Self-diagnostic functions, calibration offset, independent overheat prevention, over current leakage breaker, key lock and auto recovery after power failure

Note: Accurate temperature control may not be possible with heat generating samples in the chamber

92L DG400C

445L DG800C

(Stand optional)

■ Specifications

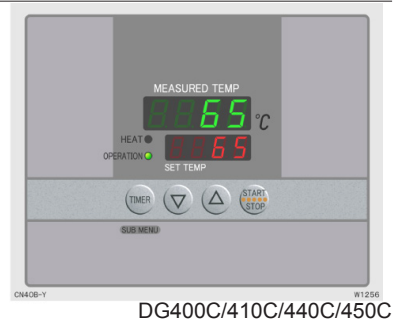| Model	DG400C/410C	DG440C/450C	DG800C/810C	DG840C/850C
System	Natural convection			Natural / Forced convection
Operating temp. range	RT+5~70°C			
Interior material	Stainless steel			
Exterior material	Cold rolled steel plate with chemical proofing coating			
Heater	SUS pipe heater 1.0kW		SUS pipe heater 1.34kW	
Temp. controller	PID control with microprocessor			
Temp. setting	Digital setting by ▲/▼ keys			
Temp. display	Measured temp. display: Green 4-digit LED digital display			
	Setting temp. display: Red 4-digit LED digital display			
Timer	1min-99 hr 59 min and 100 hr-999 hr 50 min (with time wait function)			
Operation functions	Fixed temperature, auto stop, auto start, quick auto stop			
Additional functions	Deviation correction, Key lock, Power outage compensation			
Heater circuit control	SSR driving			
Sensor	Temp. controller: K thermocouple, Overheat protection: Liquid-expansion temp. controller			
Exhaust port	I.D. 34mm×2	Axial flow fan forced exhaust	I.D. 34mm×2	Axial flow fan forced exhaust
Suction port	I.D. 30mm×2	Set air suction filter	I.D. 30mm×2	Set air suction filter
Germicidal lamp	—	15W×1	—	—
Safety device	Self-diagnostic (Abnormal temp. sensing, Auto overheat prevention, SSR short circuit), Key lock, Independent overheat protector, Overcurrent ELB			
Internal dimensions (W×D×Hmm)	450×450×450		620×600×1195	
External dimensions (W×D×Hmm)	504×562×788	504×562×820	674×711×1586	674×711×1618
Internal capacity	92L		445L	
Weight	~45kg	~48kg	~78kg	~83kg
Door	Single door, silicon rubber packing			
Observation window	Standard glass 3mm W250 x H300mm		Standard glass 3mm W250 x H700mm	
Shelf plate / bracket (stainless steel)	2pcs. / 4pcs.		4pcs. / 8pcs.	
Shelf plate load	15kg/pc.			
Shelf rest / pitch	10 steps / 30mm		29 steps / 30mm	
Water receiving plate	1 pc			
Power supply (50/60Hz) rated current	AC115V *with plug* AC220V *no plug, round terminal*	AC115V *with plug* AC220V *no plug, round terminal*	AC115V *with plug* AC220V *no plug, round terminal*	AC115V *with plug* AC220V *no plug, round terminal*

445L
DG850C

Interior (DG840C/850C)

Equipped with exhaust axial flow fan

Control Panel

DG400C/410C/440C/450C

DG800C/810C/840C/850C

Germicidal lamp
(DG440C/450C/840C/850C)

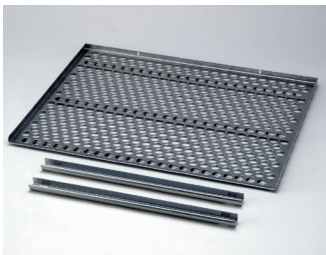## Air in-take filter
(DG440C/450C/840C/850C)

Water Receiving Plate
(sliding type)

■ Optional Items

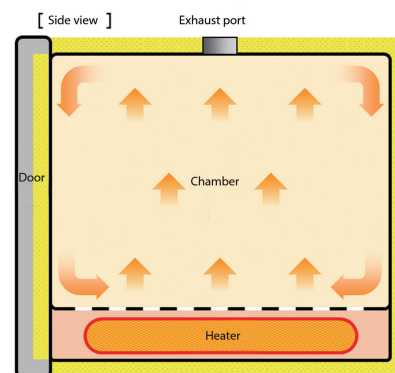| Product code	Description	Suitable models
212246	Shelf & bracket set	DG400C/410C/440C/450C
211854	Shelf & bracket set	DG800C/810C/840C/850C
296902	Seismic mat	DG400C/410C/440C/450C
211856	Stand	DG400C/410C/440C/450C

Shelf plate and brackets

Seismic mat

Stand

Method

[Side view]

Exhaust port

Door

Chamber

Heater

⚠Attention

- Never use in flammable or explosive gas atmosphere
- Never use explosive or flammable material
- Caution: High temperature components