FORCED CONVECTION DRYING OVEN

CE

PID controller

- Microprocessor PID auto-tuning controller with digital setting and display.
- Overheating is prevented by automatic shut-off circuit.
- Fan motor circulating hot air ensures uniform temperature distribution in a chamber.

Model		J-300S	J-300M
Type		Forced convection system	
Overall size(W×D×H) mm		580×600×820	730×650×870
Chamber size(W×D×H) mm		450×450×450	600×500×500
Capacity ℓ		91	150
Temperature	range	Ambient+10℃ ~ 260℃	
	accuracy	±0.5℃ at 100.0℃	
	controller	PID controller	
	regulator	TRIAC	
Thermocouple		K type(CA)	
Heater W		1,200	1,200
Timer		99hr 59min. or infinity	
Safety device		Self diagnosis function(Memory error, Temp. overheating, SSR short circuit, Sensor short circuit), ELB	
Shelves		3ea	3ea
Material	interior	Stainless steel plate	
	exterior	Steel plate with powder coated finish	
Power source		AC 230V 50/60Hz 1phase	
Net weight kg		51	64
Certification		CE	

FORCED CONVECTION DRYING OVEN

New

PID controller

- Temperature is regulated by microprocessor P.I.D controller with metallic key pads, with digital setting and display.
- Overheating is prevented by automatic shut–off circuit
- One touch type door catcher allows you to open/close the door without any vibration so as not to affect the contents in the chamber.
- Safety circuit is adopted to prevent the device from over current and overheating of heater.

Model		J–300SF	J–300MF
Type		Forced convection system	
Overall size (W×D×H) mm		580×600×820	730×650×870
Chamber size (W×D×H) mm		450×450×450	600×500×500
Capacity ℓ		91	150
Temperature	Range	Ambient+ 10℃ ~ 260℃	
	Accuracy	± 0.5℃ at 100℃	
	Controller	P.I.D controller	
	Regulator	TRIAC	
Thermocouple		K type (CA)	
Heater W		1,200	1,200
Observation window		Reinforced glass 5T	
Timer		99hr 59min. or infinity	
Door packing		High temperature grade foamed silicon rubber	
Safety device		Self diagnosis function (Memory error, Temp. overheating, SSR short circuit, Sensor short circuit),	
		E.L.B(Electric Leakage Breaker)	
Shelves		3ea	3ea
Material	Interior	Stainless steel plate	
	Exterior	Steel plate with powder coated finish	
Power source		AC 230V, 50/60Hz, 1 phase	
Net Weight Kg		51	64

※Information, design and specifications are subject to change without prior notice.

FORCED CONVECTION DRYING OVEN

CE

LCD programmable controller

- Digital controller with LCD Display with Manual and Programmable function(10 step) regulates temperature precisely.
- SSR Control eliminates malfunction of relay switches, enhances uniform temperature distribution.
- Overheating is prevented by automatic shut-off circuit.

Model		J-407S	J-407M
Type		Forced convection system	
Overall size(W×D×H) mm		1,060×625×820	1,210×775×1,020
Chamber size(W×D×H) mm		450×450×450	600×600×600
Capacity ℓ		91	216
Temperature	range	Ambient+10℃ ~ 350℃	
	accuracy	±0.5℃ at 100.0℃	
	controller	LCD programmable controller	
	regulator	SSR type	
Thermocouple		K type(CA)	
Heater W		3,000	4,500
Insulation		Glass wool and ceramic wool	
Timer		99hr 59min. or infinity	
Safety device		Self diagnosis function(Memory error, Temp. overheating, SSR short circuit, Sensor short circuit), ELB	
Shelves		3ea	3ea
Material	interior	Stainless steel plate	
	exterior	Steel plate with powder coated finish	
Power source		AC 230V 50/60Hz 1phase	
Net weight kg		103	140
Certification		CE	CE

※ Option : Temperature recorder.

CLEAN OVEN

CE

Option : LCD programmable controller

- SCR Control eliminates malfunction of relay switches, enhances uniform temperature distribution.
- Overheating is prevented by automatic shut-off circuit.
- High efficient dust removal is carried out by HEPA filter (99.97% efficiency on particle of 0.3㎛).

Model		J-407SCO	J-407MCO
Type		Forced convection system	
Overall size(W×D×H) mm		1,140×650×825	1,290×800×1,025
Chamber size(W×D×H) mm		450×450×450	600×600×600
Capacity ℓ		91	216
Temperature	range	Ambient+10℃ ~ 200℃	
	accuracy	±0.5℃ at 100℃	
	controller	PID controller	
	regulator	SCR type	
Thermocouple		K type(CA)	
Heater W		2,000	3,000
Filter		HEPA filter (99.97% efficient on particle of 0.3㎛)	
Timer		99hr 59min. or infinity	
Safety device		An electric leakage breaker (ELB), Overheating protection.	
Shelves		3ea	
Material	interior	Stainless steel plate	
	exterior	Stainless steel plate	
Power source		AC 230V 50/60Hz 1phase	
Net weight		125	165
Certification		CE	

※ Option : LCD programmable controller

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GRAVITY CONVECTION DRYING OVEN

PID controller

- Microprocessor PID auto-tuning controller with digital setting and display.
- Overheating is prevented by automatic shut-off circuit.
- Easy temperature and timer setting with soft touch key pads.

Model		J-NDS1	J-NDS2
Type		Gravity convection system	
Overall size(W×D×H) mm		580×600×820	730×650×870
Chamber size(W×D×H) mm		450×450×450	600×500×500
Capacity ℓ		91	150
Temperature	range	Ambient+10℃ ~ 260℃	
	accuracy	±1.0℃ at 100.0℃	
	controller	PID controller	
	regulator	TRIAC	
Thermocouple		K type(CA)	
Heater W		1,200	1,800
Timer		99hr 59min. or infinity	
Safety device		Self diagnosis function(Memory error, Temp. overheating, SSR short circuit, Sensor short circuit), ELB	
Shelves		3ea	3ea
Material	interior	Stainless steel plate	
	exterior	Steel plate with powder coated finish	
Power source		AC 230V 50/60Hz 1phase	
Net weight kg		50	63

GRAVITY CONVECTION DRYING OVEN

PID controller

- General type drying oven for glass ware.
- ELB (Electrical Leakage Breaker) installed as safety device.
- Optimized structure chamber for uniform temperature distribution.

Model		J-DECO
Type		Gravity convection system
Overall size(W×D×H) mm		520×530×795
Chamber size(W×D×H) mm		400×400×450
Capacity ℓ		72
Temperature	range	Ambient+10℃ ~ 180℃
	controller	PID controller
	regulator	SSR type
Thermocouple		K type (CA)
Heater(Ni-Cr) W		1,200
Shelves		2ea
Material	interior	Stainless steel plate
	exterior	Steel plate with powder coated finish
Power source		AC 230V 50/60Hz 1phase
Net weight kg		43.2

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VACUUM DRYING OVEN

CE

- Specially designed silicon rubber packing assures air-tight vacuum condition.
- Microprocessor PID auto-tuning controller with digital setting and display.
- Overheating is prevented by automatic shut-off circuit.
- Transparent polycarbonate plate attached to observation window enhances user safety.

Model			J-DVO1	J-DVO2
Type			Indirect heating(air jacket) & decompressing	
Overall size(W×D×H)		mm	730×530/570×580	830×630/670×680
Chamber size(W×D×H)		mm	300×350×300	400×450×400
Capacity		ℓ	31	72
Temperature	range		Ambient+10℃ ~ 250℃	
	accuracy		±2.0℃ at 100.0℃	
	controller		PID controller	
	regulator		SSR type	
Thermocouple			K type(CA)	
Heater(Ni-Cr)		W	1,800	2,400
Vacuum range			0 ~ 760mmHg	
Vacuum loss			Less than 3.5kPa/24Hr	
Ultimate pressure degree			0 ~ 760mmHg(101.3kPa)	
Nozzle size		mm	Vacuum Ø10.0, Vent Ø10.0	
Observation window			Reinforced glass 12T, Polycarbonate plate 8T	Reinforced glass 19T, Polycarbonate plate 8T
Safety device			ELB, overheating protection system	
Shelves			3ea	
Material	interior		Stainless steel plate	
	exterior		Steel plate with powder coated finish	
Power source			AC 230V 50/60Hz 1phase	
Net weight		kg	63	97
Certification			CE	–

※ Option : Vacuum pump

HIGH TEMP. DRYING OVEN

PID controller

- Air jacket system ensures precise temperature control at high temperature on uniform level throughout the chamber.
- One touch type door catcher allows you to open/close the door without vibration that may affect the contents in the chamber.
- P.I.D temperature controller operated by microprocessor regulates the temperature of chamber precisely, and auto-tuning function installed as standard for user's convenience.
- Safety circuit is adopted to prevent the device from over current and overheating of heater.

Model			J-DH1	J-DH2
Type			Gravity convection system	
Overall size(W×D×H)		mm	620×600×870	770×650×920
Chamber size(W×D×H)		mm	450×450×450	600×500×500
Capacity		ℓ	91	150
Temperature	range		Ambient+10℃ ~ 300℃	
	accuracy		±1.0℃ at 100.0℃	
	controller		PID controller	
	regulator		SSR type	
Thermocouple			K type(CA)	
Heater(Ni-Cr)		W	2,500	3,500
Time			99hr 59min. or infinity	
Safety device			Self diagnosis function(Memory error, Temp. overheating, SSR short circuit, Sensor short circuit), ELB	
Shelves			3ea	
Material	interior		Stainless steel plate	
	exterior		Steel plate with powder coated finish	
Power source			AC 230V 50/60Hz 1phase	
Net weight		kg	62.6	82.2

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INDUSTRIAL FORCED CONVECTION DRYING OVEN

J-IDO1

J-IDO2

J-IDO2 type-standard shelf : 3ea

J-IDO2 type-(option : carts, rack, shelf)

J-IDO2 type-(option : rack, shelf)

- SCR Control eliminates malfunction of relay switches, enhances uniform temperature distribution.
- Excellent thermal efficiency and durability of heater ensured by adopting sheath heater.
- Overheating is prevented by automatic shut-off circuit, and ELB (Electric Leakage Breaker) is attached.

Model			J-IDO1	J-IDO2
Type			Forced convection system	
Overall size(W×D×H)		mm	1,620×1,095×1,960	2,220×1,295×2,260
Chamber size(W×D×H)		mm	900×800×1,200	1,500×1,000×1,500
Capacity		ℓ	864	2,250
Temperature	range		Ambient+10℃ ~ 250℃	
	accuracy		±1.0℃ at 100.0℃	
	controller		PID controller	
Thermocouple			K type(CA)	
Heater(sheath fin)		W	15,000	24,000
Timer & alarm			0~24hr(adjustable)	
Door style			One door	Two door
Safety device			ELB, overheating protection system	
Shelves			3ea	3ea
Material	interior		Stainless steel plate	
	exterior		Steel plate with powder coated finish	
Power source			AC 230V 50/60Hz 3phase	
Certification			CE	

※ Option : Cart, rack, additional shelf
※ Option : AC 380V, AC 440V products, and customized products also available

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RUBBER AGING TESTER : NEW GEER OVEN

J-NGO series

J-NGO-S type

- Threefold structure ensures optimized thermal efficiency by adopting double seal system instead of double door structure.
- It can be used as drying oven by removing the rotating axis and specimen plate.
- Microprocessor PID auto-tuning controller with digital setting and display.

Model			J-NGO1	J-NGO2	J-NGO-S type
Type			Forced convection system		
Overall size(W×D×H)		mm	1,160×685×1,380/1,530	1,210×735×1,480/1,630	1,390×840×1,480/1,560
Chamber size(W×D×H)		mm	450×450×500	500×500×600	600×600×600
Capacity		ℓ	101	150	216
Temperature	range		Ambient+10℃ ~ 350℃(Max.)		
	accuracy		±0.5℃ at 100.0℃		
	controller		PID controller		
	regulator		SSR type		
Thermocouple			K type(CA)		
Heater(sheath)		W	3,200	4,000	4,800
Circulation fan& motor			Ø180×80mm(H), 180W	Ø180×80mm(H), 400W	
Speed(circle plate)		rpm	8		
Motor(circle plate)		W	25		
Air-flow velocity		m/sec	0.5		
Air-change timer			Yes		
The rate of air change			1~100/hr		
Timer			99hr 59min. or infinity		
Safety device			ELB, overheating protection system		
Shelves			3ea		
Material	interior		Stainless steel plate		
	exterior		Steel plate with powder coated finish		
Power source			AC 230V 50/60Hz 1phase		

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HOT AIR MECHANICAL CONVECTION CONVEYOR OVEN

- The temperature is uniform inside the conveyor.
- With air curtain in IN-OUT direction, heat loss can be reduced as much as possible. And it has a function to refrigerate the output sample.
- The conveyor can be operated with PLC. (Option)

Model		J-RCO
Overall size(W×L×H) mm		850×2,300×1,230/1,580
Heating zone size(W×L) mm		500×1,500
Heating method	type	Forced hot air convection system
	heating zone	Two zone
	heater capacity kW	19
Conveyor system	speed range m/min	0.2 ~ 2.0
	belt type	Stainless chain belt type
	applicable wide sizemm	500
Temperature	controller	PID controller
	temp. range	60℃ ~ 200℃
	using temperature	160℃±2℃
	regulator	SCR type
Safety apparatus system		Emergency switch & lamp : 2sets NFB, photo-sensor, time melody
Heating blower	motor Hp	1×2ea
system	fan type	Sirocco type
Power source		AC 230V 50/60Hz 3phase

PARAFFIN MELTING APPARATUS

PID controller

- It' s an apparatus used for melting paraffin without the danger of fire for tissue inspecting station in hospital & pathology room in medical college.
- It advances the solidification of the melted paraffin in block with stainless beaker through outdoor effluence coke of apparatus side panel without opening the door.
- It' s good for reducing the melting time of paraffin by the heater installed at the bottom of chamber.

Model		J-PMO1
Type		Gravity convection system
Overall size(W×D×H) mm		580×600×820
Chamber size(W×D×H) mm		450×450×450
Capacity ℓ		91
Temperature	range	Ambient+10℃ ~ 80℃
	using range	45℃ ~ 80℃
	accuracy	±1.0℃ at 60℃
	controller	PID controller
	regulator	SSR type
Time		99h 59m or infinity
Thermocouple		Pt 100 ohms
Heater(sheath) W		400
Shelves		3ea
Safety device		ELB, overheating protection system
Material	interior	Stainless steel plate
	exterior	Steel plate with powder coated finish
Power source		AC 230V 50/60Hz 1phase

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