

Forced Convection Oven Multi type



Independent temperature control and optimal space efficiency per chamber

Structural Functional Features

- Airflow optimized for uniform heat transfer.
- Superior insulation and enclosed design minimize energy loss and reduce operating costs.
- Easy to open and close the door, soft handle minimizes shock to the sample.
- Stainless steel interior and shelves are excellent in terms of corrosion resistance and clean maintenance.
- Easy to clean as inner edges are curved.
- Includes vent hole base with cover for gas exhaust, cable connection, etc. on the side.

Use Convenience Features

- Calibration function minimizes temperature deviation.
- Optimized control with temperature auto-tuning.
- Save and use 3 frequently used temperatures.
- Wait On/Off timer. (up to 99 hours 59 minutes)
- Microprocessor PID method for precise temperature control.
- Automatic restart of operation when power is restored after sudden power failure.

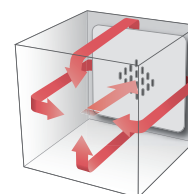
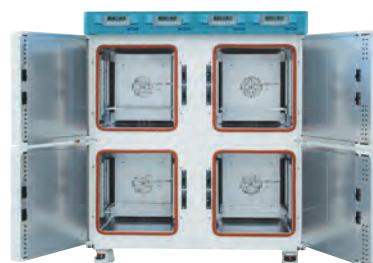
Outstanding Safety

- Top-rated overheating protection system. (registration KR 10-0397583)
- Over temperature limit function.
- Safe product surface, even when operated at maximum temperature.
- Malfunction prevented by controller lock function.
- Self-diagnostics function to check abnormal condition of temperature sensor.



OF-02G-4C

with Wire Shelves 2ea (standard)



Specification

Model		OF-02G-4C
Chamber volume (L / cu ft)		240 / 8.5 (60 / 2.1 x 4 chambers)
Temperature	Range (°C / °F)	Amb. +10 to 200 / Amb. +18 to 392
	Fluctuation at 100°C (±°C / °F)	0.5 / 0.9
	Variation at 100°C (±°C / °F)	1 / 1.8
	Heating time to 100°C (min.)	15
	Recovery time at 100°C (min.)	2
Dimension	Interior (W x D x H, mm / inch)	400 x 360 x 420 / 15.7 x 14.2 x 16.5 (each chamber)
	Exterior (W x D x H, mm / inch)	1170 x 640 x 1360 / 46.1 x 25.2 x 53.5
	Net weight (Kg / lbs)	170 / 374.8
Shelves	Quantity of shelves (standard / max.)	2 / 4 per chamber
	Max. Load per shelf (Kg / lbs)	26 / 57.3
Electrical requirements (230V, 50/60Hz, A)		16.8
Cat. No.		AAH1A015K
Electrical requirements (120V, 60Hz, A)		33.4
Cat. No.		AAH1A016U

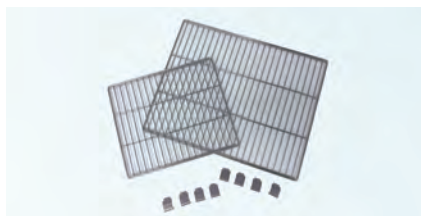
※ The lowest controllable temperature depends on variations in room and sample temperatures. Please contact technical support for consultation before purchasing.

※ Technical data (according to DIN 12880, before 2013)

Accessories Page 84 Wire Shelves, Perforated Shelves

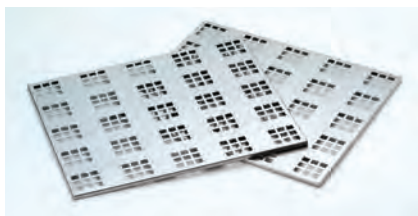
Accessories for Oven & Furnace

Shelves



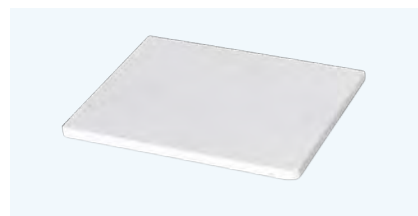
Wire Shelf (Oven)

- Excellent corrosion resistance as made of stainless steel.
- Excellent air permeability and uniform temperature uniformity.



Perforated Shelf (Oven)

- Porous structure made of stainless steel.
- Solid structure makes it suitable for high load samples.



Ceramic Shelf (Furnace)

- Plate for placing a crucible.
- Made of Mullite for thermal resistance.

Shelves for Forced/Natural Convection Oven

Model	Wire shelves		Perforated shelves	
	Cat. No.	Quantity (standard/max.)	Cat. No.	Quantity (max.)
OF4-03P/V/S, OF4-03PW/VW/SW	00FDA0009739	2 / 4	AAA125341	4
OF4-05P/V/S, OF4-05PW/VW/SW	00FDA0009738	2 / 5	AAA125342	5
OF4-10P/V/S, OF4-10PW/VW/SW	00FDA0009737	2 / 8	AAA125343	8
OF4-15P/V/S, OF4-15PW/VW/SW	00FDA0009736	2 / 9	AAA125344	9
OF3-30/30W/30P/30PW	00RTD0001196	2 / 5	AAA18501	5
OF3-30H/30HW/30HP/30HPW	00RTD0001196	2 / 5	AAA18501	5
OF3-45/45W/45P/45PW	00RTD0001196	3 / 11	AAA18501	8
OF3-45H/45HW/45HP/45HPW	00RTD0001196	3 / 11	AAA18501	8
OF3-75/75W/75P/75PW	00RTD0001197	3 / 11	AAA18502	11
OF3-75H/75HW/75HP/75HPW	00RTD0001197	3 / 11	AAA18502	11
OF-02G-4C	00EDA0008136	8 / 16	AAA12531	16
ON4-03V/S, ON4-03VW/SW	00FDA0009739	2 / 4	AAA125341	4
ON4-05V/S, ON4-05VW/SW	00FDA0009949	2 / 5	AAA125362	5
ON4-10V/S, ON4-10VW/SW	00FDA0009950	2 / 8	AAA125363	8
ON4-15V/S, ON4-15VW/SW	00FDA0009951	2 / 9	AAA125364	9

※ Brackets for each shelf are included.

Shelves for Vacuum Oven

Description	Position	Material	Cat. No.	
			OV4-30/30S	OV4-65/65S
Bottom shelf, Basic ²⁾		Aluminum	AAA13519	AAA13520
		Stainless Steel	AAA13529	AAA13530
Extra shelf, Optional ^{1), 4)}		Aluminum	AAA13511	AAA13513
		Stainless Steel	AAA13521	AAA13523
Lower shelf, Basic ²⁾		Aluminum	AAA13517	AAA13518
		Stainless Steel	AAA13527	AAA13528
Upper shelf, Basic ^{2), 3)}		Aluminum	AAA13512	AAA13514
		Stainless Steel	AAA13522	AAA13524
Multiple shelf, Optional ^{1), 4)}		Aluminum	AAA13531	AAA13533
		Stainless Steel	AAA13532	AAA13534
Shelf spacer, Basic ²⁾	Insert where the gap occurs	Aluminum	AAA13515	AAA13516
		Stainless Steel	AAA13525	AAA13526

1) You can add an extra shelf or multiple shelf that can be placed at the bottom to experiment with more samples same time, and the value of Variation and Fluctuation may increase slightly.

2) The shelf and shelf spacer are included as bundled accessories, and you can purchase when need to replace them.

3) For OV4-65 models, 2 upper shelves are basic provided.

4) Maximum number of shelf for OV4-30 model : 4 extra shelves / 5 multiple shelves and for OV4-65 model : 4 extra shelves / 8 multiple shelves.

Shelves for Furnace

Model	Dimension (W x D x H, mm)	Ceramic Shelf
MF2-12 series	120 x 230 x 12t	00FDA0009706
MF2-22 series	140 x 280 x 12t	00FDA0009707
MF2-32 series	260 x 260 x 12t	00FDA0009708

Recorders & Brackets



Recorder (Dot)

- 6-channel graph-type temperature recorder.
- Adjustable recording range, speed, etc.



Recorder (Thermal Line)

- Graph/Digital mode.
- Thermal-type temperature recorder.



Stacking Set (-05 / -15 models only)

- Double stackable
- Firm stacking allows efficient utilization of space (※ When double stacking, the minimum control temperature of the upper chamber may be limited.)

Model	Description	Cat. No.
OF3-30/45/75/30H/45H/75H Series	Recorder (Dot)	AAA8T500
	Recorder (Thermal line)	AAAE1503
MF2 series	Recorder (Thermal line)	AAAE1503
OF4/ON4-05	Stacking set	AAA125547
OF4/ON4-15	Stacking set	AAA125549

Door Gaskets for Vacuum Oven

Description		Cat. No.	
		OV4-30/30S	OV4-65/65S
Silicone Gasket	Included as standard. Silicon gasket for sealing the door.	00FDA0009912	00FDA0009913
Viton Gasket	High chemical resistance	00FDA0009914	00FDA0009915

Communication



BMS Port

- Real-time monitoring at a central monitoring facility.
- Easier to ensure safety, especially in labs where multiple units are operated.



Communication Port

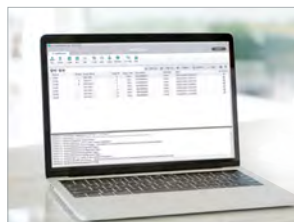
- Control PC connection and data by dedicated software.
- Included as default in OF4-P/V and optional for OF4-S.



LC GreenBox

(Mobile Monitoring System)

- Remote monitoring and control via mobile application.
- One LC GreenBox can connect up to 4 devices.
- Connect using RS-232 port on the communication port.



LC DataKeeper

- High-integrity software compliant with FDA 21 CFR Part 11
- Integrated with Jeio Tech equipment to undergo GMP audits

Ports	OF4-P/V, ON4-P/V	OF4-S, ON4-S	OV4
BMS Port	AAA125534		AAA125558
Communication Port ¹⁾	Standard	AAA125533	-
LC GreenBox	AAHQ1011K		
LC DataKeeper Basic ²⁾	SSA11001		
LC DataKeeper Pro ²⁾	SSA11002		

1) Communication port is provided as a standard in advanced (-V) model and is an optional add-on for the basic (-S) model for connecting LC DataKeeper, LC GreenBox, BMS, and PC.

2) Trial version is available for 30 days, offering the same features as the Basic version, and can be requested through the website.