07 Ovens

Forced Convection Ovens

- > Natural Convection Ovens
- > Vacuum Ovens
- > Clean Ovens, Class 100



General Applications

Forced Convection Ovens

General aging and curing, Agricultural genetic, Digestion of proteins and starches, General heating/ drying, Stability and QC/Batch testing, Sterilization.

Natural Convection Ovens

Annealing, Drying of plant tissue, Drug metabolism, Fine chemical precipitation, General heating/ drying, Serum protein analysis, Sterilization.

Vacuum Ovens

Agricultural genetic, Annealing, Desiccating, Outgassing solids and liquids, Vacuum embedding, Volatile resins and polymers testing.

Clean Ovens, Class 100

Heat treatment and drying components in clean air requirements of Class 100 cleanliness.

Product Name		Forced Convection Ovens (Programmable Models)	Forced Convection Ovens (General Models)	Convect	rced ion Ovens rammable Models, Large)
Model		0F-P	OF-G	0F3-P, 0F3-HP	0F3, 0F3-H
Chamber volume (L)		60, 102, 151	60, 102, 151	314, 450, 760	314, 450, 760
	Temp. range (°C/°F)	Amb. +10 to 250 / Amb. +18 to 482	Amb. +10 to 250 / Amb. +18 to 482	Amb. +10 to 200 / Amb.+ Amb. +10 to 300 / Amb.+	
Temp. control	Temp. fluctuation at 100°C (±°C/°F)	0.5, 0.6, 0.8 / 0.9, 1.08, 1.44	0.5, 0.6, 0.8 / 0.9, 1.08, 1.44	0.2/0.36	0.2 / 0.36
	Temp. variation at 100°C (±°C/°F)	1, 1.3, 1.7 / 1.8, 2.3, 3.1	1, 1.3, 1.7 / 1.8, 2.3, 3.1	2.0, 2.2, 2.5 / 3.6, 3.9 ,4.5	2.0, 2.2, 2.5 / 3.6, 3.9 ,4.5
	Timer	Wait on/off	Wait on/off	Wait on/off	Wait on/off
	Auto-tuning	0	0	0	0
Control	Program function	0	-	0	-
	Computer interface	RS-232 port	RS-232 port	RS-232 port, USB port	RS-232 port, USB port
	JeioTech network	0	-	0	0
	Over temp. limit	0	0	0	0
	Door open alarm	0	0	0	0
Safety	Over current limit	0	0	0	0
	Auto-run (power failure)	0	0	0	0



Technical Benefits

> Performance

- Designed and tested in accordance with the international standard DIN 12880.
 Increase in reliability of accurate temperature implementation and test results. (27 points measurement data)
- Microprocessor PID control for precise temperature control.
- Temperature calibration and auto-tuning functions for optimizing the unit to the various test environment.
- Intelligent program and scheduler for satisfying any sophisticated control.
 (for OF-P, OF3-P/PH, OFC-P/PH)
- Reliable clean oven with HEPA filter guarantees class 100 cleanliness. (for OFC)
 0.3 μm and larger particulates are removed with 99.97% efficiency, leak-tight HEPA filter which satisfying class 100.

> Convenience

- Wide selection ovens cover all of your application needs.
- Air flow type (Forced Convection / Natural Convection)
- Heating type (General / Vacuum)
- Filtering type (Clean Oven, Class 100)
- Temperature (Ambient +5 $^{\circ}$ to 300 $^{\circ}$)
- Sizes (28 Liters to 760 Liters)

• Easy maintenance design.

- Rounded corners for easy cleaning.
- Corrosion resistant stainless steel interior chamber. - Dirt-repellent external surface with power
- coating. (except for OV)
- User-friendly functions for easy operating.
 Wait ON/OFF dual timer.
- Three commonly used temperature memories.

>Safety

- Patented CLS-CS
- (Custom Logical Safe Control System) - Automatic power cut-off system against
- overheating. - Protection system by fuses against overcurrent. (except for OF3, OFC-large type)
- (except for OF3, OFC-large type) - Automatic run or manual run after power interruption.
- Fully insulated oven chamber maintains the exterior at a safe temperature.
- Safe door open system to minimize heat loss and protect the user.
- Audible and visible open door alarms. (except for OV)
 Automatic heater and fan stop (for OF)
- Automatic heater and fan stop (for Of when door opening.

Forced Convection Ovens (2 / 4-Chamber Models)	Forced Convection Ovens (Economy Models)	Natural Convection Ovens (General Models)	Natural Convection Oven (Economy Models)	Vacuum Ovens		n s, Class 100 mable Models, Large)
OF-G-C	OF-E	ON-G	ON-E	OV	OFC-P, OFC-HP	OFC, OFC-H
60 x 2 chambers, 60 x 4 chambers	52, 100, 150	52, 91, 135	52, 100, 150	28, 65	200, 400	200, 400
Amb. +10 to 200 / Amb. +18 to 392	Amb. +10 to 220 / Amb. +18 to 428	Amb. +15 to 250 / Amb. +27 to 482	Amb. +15 to 220 / Amb. +27 to 428	Amb. +5 to 250 / Amb. +9 to 482	Amb. +10 to 200 / Amb.+18 to 392 (0FC Amb. +10 to 300 / Amb.+18 to 572 (0FC	
0.5 / 0.9	0.4 / 0.72	0.3 / 0.54	0.3, 0.4, 0.5 / 0.54, 0.72, 0.9	0.1, 0.3 / 0.18, 0.54	0.2 / 0.36	0.2 / 0.36
1.0 / 1.8	3.3, 2.3 / 5.94, 4.14	5.9, 7.5, 6.9 / 10.62, 13.5, 12.42	6.5, 4.1, 7.3 / 11.7, 7.38, 13.14	3.7 / 6.66	2.0, 2.2 / 3.6, 3.9	2.0, 2.2 / 3.6, 3.9
Wait on/off	Wait on/off	Wait on/off	Wait on/off	Wait on/off	Wait on/off	Wait on/off
0	0	0	0	0	0	0
-	-	-	-	-	0	-
-	-	RS-232 port	-	RS-232 port	RS-232 port, USB port	RS-232 port, USB port
-	-	-	-	-	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

Forced Convection Ovens (Programmable)



Unattended operation is absolutely available with the intelligent programmable controller.



REMOTE CONTROL with your MOBILE DEVICE see page 8-9



OF-12P

with optional viewing window

Standard accessories	• Wire shelves (2ea)
Optional accessories see page 112	 Tempered viewing window Perforated shelves Gateway

Intelligent program control

- 10 programs available for temperature ramp up and dwell control.
- 10 steps per a program and 99 hours 59 minutes per a step.
- · Stored programs are easily linkable.
- Programs can be repeated up to 99 cycles.
- Pre-heating and heating time are settable before program starts.

Performance

- Temperature range from ambient +10°C to 250°C.
- Microprocessor PID control.
- Three point temperature calibration / Automatic tuning.
- Forced air convection ensures optimal air circulation, temperature uniformity, and short heat-up time.
- Adjustable dual slide vents for inner vapor circulation.

Convenience

- Intuitive touch screen LCD controller with easy icons and logical menus.
- Dual wait on/off timer modes. (1 min. to 99 hr. 59 min.)
- Digital input and output control function for interlocking external devices.
- Corrosion-resistant incoloy sheath heating element and stainless steel interior.
- RS-232 interface for external control and data collection.

Safety

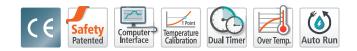
- Keypad lock function prevents accidental changes during operation.
- · Automatic run after power interruption.
- Over-temperature and over-current protection.
- · Audible and visible open door alarms.

	Model	OF-02P	OF-12P	OF -22P
Chamber volu	Ime (L / cu ft)	60 / 2.1	102 / 3.6	151 / 5.3
	Range (°C / °F)	Amb. +10 to 250 / Amb. +18 t	o 482	
Temperature	Fluctuation ¹⁾ at 100°C (±°C / °F)	0.5 / 0.9	0.6 / 1.08	0.8 / 1.44
	Variation ¹⁾ at 100°C (±°C / °F)	1 / 1.8	1.3 / 2.3	1.7 / 3.1
	Interior (mm / inch)	400×360×420 / 15.7×14.2×16.5	480×410×520 / 18.9×16.1×20.5	550×460×600 / 22×18×23.6
Dimension (W×D×H)	Exterior (mm / inch)	577×642×760 / 22.7×25.3×30	657×692×870 / 25.9×27.2×34.3	727×742×974 / 28.7×29.2×38.3
	No. of wire shelf (standard / max.)	2/7	2 / 11	2 / 13
	Net weight (Kg / Ibs)	53 / 117	63 / 139	72.5 / 160
Electrical requ	irements (230V, 50 / 60Hz)	4.4A	6.1A	7.4A
Cat. No.		AAH12555K	AAH12565K	AAH12575K
Electrical requ	irements (120V, 60Hz)	6.8A	8.4A	10.1A
Cat. No.		AAH12553U	AAH12563U	AAH12573U

1) Technical data according to DIN 12880.



Forced Convection Ovens (General)



Performance

- Temperature range from ambient +10°C to 250°C.
- Microprocessor PID control / Temperature calibration / Automatic tuning.
- Forced air convection ensures optimal air circulation, temperature uniformity, and short heat-up time.
- Fan speed control by an analog dial prevents powdered samples from blowing away. (optional)
- · Adjustable dual slide vents for inner vapor circulation.

Convenience

- Intuitive control panel with bright LED displays. (0.1°Cresolution)
- Dual wait on/off timer modes. (1 min. to 99 hr. 59 min.)
- Convenient presetting function for 3 most commonly used temperature settings.
- Rounded inner chamber corners for easy cleaning and optimal airflow.
- Corrosion-resistant incoloy sheath heating element and stainless steel interior.
- Threefold tempered-glass window provides clear inside view of the chambers. (optional)
- RS-232 interface for external control and data collection.

Safety

- Keypad lock function prevents accidental changes during operation.
- · Automatic run after power interruption.
- Over-temperature and over-current protection.
- · Audible and visible open door alarms.

Superb air dispersion and uniform temperature distribution.

Provide superb drying performance especially suitable for samples with high moisture content.



OF-22G

with optional viewing window

Standard accessories

• Wire shelves (2ea)

Optional accessories see page 112

- Tempered viewing window
- Fan speed adjuster
 Perforated shelves

	Model	OF-02G	OF-12G	OF-22G
Chamber volu	Ime (L / cu ft)	60 / 2.1	102 / 3.6	151 / 5.3
	Range (°C / °F)	Amb. +10 to 250 / Amb. +18	to 482	
Temperature	Fluctuation ¹⁾ at 100°C (±°C / °F)	0.5 / 0.9	0.6 / 1.08	0.8 / 1.44
	Variation ¹⁾ at 100°C (±°C / °F)	1 / 1.8	1.3 / 2.3	1.7 / 3.1
	Interior (mm / inch)	400×360×420 / 15.7×14.2×16.5	480×410×520 / 18.9×16.1×20.5	550×460×600 / 22×18×23.6
Dimension (W×D×H)	Exterior (mm / inch)	577×642×760 / 22.7×25.3×30	657×692×870 / 25.9×27.2×34.3	727×742×974 / 28.7×29.2×38.3
	No. of wire shelf (standard / max.)	2/7	2 / 11	2 / 13
	Net weight (Kg / Ibs)	53 / 117	63 / 139	72.5 / 160
Electrical requ	irements (230V, 50 / 60Hz)	4.4A	6.1A	7.4A
Cat. No.		AAH12155K	AAH12165K	AAH12175K
Electrical requ	irements (120V, 60Hz)	6.8A	8.4A	10.1A
Cat. No.		AAH12156U	AAH12166U	AAH12176U

1) Technical data according to DIN 12880.

Specially designed for large volume and fast drying application. (max. 760L and 300°C)

Offering rapid heating performance as well as uniform temperature distribution, these heavy-duty ovens are ideal for obtaining quick test results.



OF3-75P(HP), OF3-75(H)

with optional viewing window

Standard accessories Optional accessories see page 112

- Wire shelves (2ea for 314L chambers, 3ea for 450/760L chambers)
- · Perforated shelves
- Digital recorders
- Gateway

Programmable model (OF3-P/PH) for intelligent program control



General model (OF3/H) for simple and quick control



Bright VFD display and quick adjustable dial knob

- 10 programs available for temperature ramp up and dwell control.
- 10 steps per a program and 99 hours 59 minutes per a step.
- Stored programs are easily linkable.
- Programs can be repeated up to 99 cycles.
- Pre-heating and heating time are settable before program starts.
- Designed for offering the simplest control by user-friendly control panel.
- Set value and present value are shown on display at once.
- Easy adjustable knob for convenient set values and select functions.
- Intuitive heating level indication bar.





Performance

- Rapid heating performance up to maximum 300°C
- Microprocessor PID control.
- Three point temperature calibration / Automatic tuning.
- Forced air convection generated by two noiseless and powerful sirocco fans ensures optimal air circulation, temperature uniformity, and short heat-up time.
- · Adjustable dual slide vents for inner vapor circulation.
- Energy efficiency is achieved thanks to optimization of the insulation system.
- Even if the unit is operating at max. temperature, the surface of the unit doesn't allow high temperatures.

Convenience

- Optimum model selection is available according to two different types of control panel.
- Intuitive touch screen LCD controller with easy icons and logical menus. (for OF3-P/HP)
- Bright VFD display with quick adjustable dial knob. (for OF3/H)
- Dual wait on/off timer modes. (1 min. to 99 hr. 59 min.)

- Convenient presetting function for 3 most commonly used temperature settings.
- Rounded inner chamber corners for easy cleaning and optimal airflow.
- Threefold tempered-glass window provides clear inside view of the chamber. (optional)
- USB port and RS-232 port for external control and data collection.
- · Casters for easy mobility during installation or relocation.

Safety

- · Automatic run after power interruption.
- Over-current protection.
- Triple independent temperature monitor system.
- Temperature deviation alarm (High/Low)
- Electronic temperature limiter (High/Low)
- Mechanical over-temperature limiter (High)
- Alarms for open door status, temperature sensor error and temperature deviation.
- Keypad lock function prevents accidental changes during operation.

Pr	ogrammable Model	OF3-30P	OF3-45P	OF3-75P	OF3-30HP	OF3-45HP	OF3-75HP
Chamber volu	ume (L / cu ft)	314 / 11.1	450 / 15.9	760 / 26.8	314 / 11.1	450 / 15.9	760 / 26.8
	Range (°c / °F)	Amb. +10 to 200) / Amb.+18 to 392		Amb. +10 to 300 / Amb.+18 to 572		
Temperaure	Fluctuation ¹⁾ at 100°C (±°c / °F)	0.2 / 0.36			0.2/0.36		
	Variation ¹⁾ at 100°C (±°C / °F)	2.0/3.60	2.2 / 3.96	2.5 / 4.50	2.0/3.60	2.2 / 3.96	2.5 / 4.50
	Interior (mm / inch)	645×750×650 / 25.4×29.5×25.6	645×750×930 / 25.4×29.5×36.6	745×850×1200 / 29.3×33.5×47.2	645×750×650 / 25.4×29.5×25.6	645×750×930 / 25.4×29.5×36.6	745×850×1200 / 29.3×33.5×47.2
Dimension (W×D×H)	Exterior (mm / inch)	850x1100x1235 / 33.5x43.3x48.6	850x1100x1525 / 33.5x43.3x60	950x1200x1785 / 37.4x47.2x70.3	850x1100x1235 / 33.5x43.3x48.6	850x1100x1525 / 33.5x43.3x60	950x1200x1785 / 37.4x47.2x70.3
	Net weight (Kg / Ibs)	200 / 440.9	240 / 529.1	300 / 661.4	200 / 440.9	240 / 529.1	300 / 661.4
Shelves	No. of wire shelf (standard / max.)	2/5	3/8	3 / 11	2/5	3/8	3 / 11
Sherves	Max. load per shelf (kg / lbs)	25 / 55.1			25 / 55.1		
Electrical requ	uirements (230V, 50/60Hz, A)	1P, 13.2 A					
Cat No.	Solid door	AAH18615K	-	-	-	-	-
Cat No.	Window door	AAH18715K	-	-	-	-	-
Electrical requ	uirements (380V, 50Hz)		3P, 6.7 A	3P, 9.0 A	3P, 6.7 A	3P, 9.0 A	3P, 10.8 A
Cat No.	Solid door	-	AAH186214K	AAH186314K	AAH196114K	AAH196214K	AAH196314K
Cat No.	Window door	-	AAH187214K	AAH187314K	AAH197114K	AAH197214K	AAH197314K
	General Model	OF3-30	OF3-45	OF3-75	OF3-30H	OF3-45H	OF3-75H
Chamber volu	ume (L / cu ft)	314 / 11.1	450 / 15.9	760 / 26.8	314 / 11.1	450 / 15.9	760 / 26.8
	Range (°C / °F)	Amb. +10 to 200) / Amb.+18 to 392		Amb. +10 to 300) / Amb.+18 to 572	
Temperaure	Fluctuation ¹⁾ at 100°C (±°c / °F)	0.2 / 0.36			0.2 / 0.36		
	Variation ¹⁾ at 100℃ (±℃ / °F)	2.0/3.60	2.2 / 3.96	2.5 / 4.50	2.0/3.60	2.2 / 3.96	2.5 / 4.50
	Interior (mm / inch)	645×750×650 / 25.4×29.5×25.6	645×750×930 / 25.4×29.5×36.6	745×850×1200 / 29.3×33.5×47.2	645×750×650 / 25.4×29.5×25.6	645×750×930 / 25.4×29.5×36.6	745×850×1200 / 29.3×33.5×47.2
Dimension (W×D×H)	Exterior (mm / inch)	850x1100x1235 / 33.5x43.3x48.6	850x1100x1525 / 33.5x43.3x60	950x1200x1785 / 37.4x47.2x70.3	850x1100x1235 / 33.5x43.3x48.6	850x1100x1525 / 33.5x43.3x60	950x1200x1785 / 37.4x47.2x70.3
	Net weight (Kg / Ibs)	200 / 440.9	240 / 529.1	300 / 661.4	200 / 440.9	240 / 529.1	300 / 661.4
Chalusa	No. of wire shelf (standard / max.)	2/5	3/8	3 / 11	2/5	3/8	3 / 11
Shelves	Max. load per shelf (kg / lbs)	25 / 55.1			25 / 55.1		
Electrical requ	uirements (230V, 50/60Hz, A)	1P, 13.2 A					
Cat No.	Solid door	AAH18215K	-	-	-	-	-
Gat NO.	Window door	AAH18315K	-	-	-	-	-
Electrical requirements (380V, 50Hz)			3P, 6.7 A	3P, 9.0 A	3P, 6.7 A	3P, 9.0 A	3P, 10.8 A
Electrical requ	unements (380V, 50HZ)						
Electrical requ	Solid door	-	AAH182214K	AAH182314K	AAH192114K	AAH192214K	AAH192314K

1) Technical data according to DIN 12880.

* CE for 380V, 50hz. * FDA establishment registered company. FDA listed products.

Forced Convection Oven (2 / 4-Chamber)

Two or four 60L forced convection chambers in a single unit.

Designed to offer an ideal and cost-effective solution for laboratories with limited space and budget.



OF-02G-2C/4C

Standard accessories Optional accessories see page 112 • Wire shelves (2ea per chamber)

Perforated shelves



Performance

- Temperature range from ambient +10°C to 200°C.
- Microprocessor PID control.
- Temperature calibration.
- Automatic tuning.
- Forced air convection generated by a noiseless and powerful sirocco fan ensures optimal air circulation, temperature uniformity, and short heat-up time.
- · Adjustable slide vents for inner vapor circulation.

Convenience

- Intuitive control panel with bright LED displays. (0.1°Cresolution)
- Dual wait on/off timer modes. (1 min. to 99 hr. 59 min.)
- Convenient presetting function for 3 most commonly used temperature settings.
- Rounded inner chamber corners for easy cleaning and optimal airflow.
- Corrosion-resistant incoloy sheath heating element and stainless steel interior.
- Built-in casters for easy transport and installation.

Safety

- Keypad lock function prevents accidental changes during operation.
- · Automatic run after power interruption.
- Over-temperature and over-current protection.
- · Audible and visible open door alarms.

Efficient lab space use with multi-chamber oven

- Designed to offer an ideal and cost-effective solution for laboratories with limited space and budget.
- Two or four 60L ovens merged into a single unit.
- Optimum model selection between two and four chamber unit according to application demand.
- Suitable for conducting each different experiment at once.
- Independent temperature and timer control of each chamber using microprocessor PID.



	Model	OF-02G-2C	OF-02G-4C
Chamber volur	ne (L / cu ft)	60 / 2.1 x 2 chambers	60 / 2.1 x 4 chambers
	Range (°C / °F)	Amb. +10 to 200 / Amb. +18 to 392	
Temperature	Fluctuation ¹⁾ at 100℃ (±℃/°F)	0.5 / 0.9	
	Variation ¹⁾ at 100℃ (±℃ / °F)	1 / 1.8	
	Interior (mm / inch)	400×360×420 / 15.7×14.2×16.5x 2 Chambers	400×360×420 / 15.7×14.2×16.5x 4 Chambers
Dimension	Exterior (mm / inch)	570×640×1340 / 22.4×25.2×52.8	1170×640×1340 / 46.1×25.2×52.8
(W×D×H)	No. of wire shelf (standard / max.)	2 / 7 per chamber	2 / 7 per chamber
	Net weight (Kg / Ibs)	110 / 242.5	170 / 374.8
Electrical requi	rements (230V, 50 / 60Hz)	8.4A	8.4A x 2EA
Cat. No.		AAH1A115K	AAH1A015K
Electrical requirements (120V, 60Hz)		16.7A	16.7A x 2EA
Cat. No.		AAH1A116U	AAH1A016U

1) Technical data according to DIN 12880.

Forced Convection Ovens (Economy)



Affordable multi-functional fast drying ovens with vertical airflow.



OF-11E

 Standard accessories
 • Wire shelves (2ea)

 Optional accessories
 • Perforated shelves

 see page 112
 • Perforated shelves

Performance

- Temperature range from ambient +10°C to 220°C.
- Microprocessor PID control / Temperature calibration / Automatic tuning.
- Forced air convection generated by a circular fan provides high and uniform drying performance.
- · Adjustable dual slide vents for inner vapor circulation.

Convenience

- Intuitive control panel with bright LED displays. (0.1°Cresolution)
- Dual wait on/off timer modes. (1 min. to 99 hr. 59 min.)
- Convenient presetting function for 3 most commonly used temperature settings.
- Corrosion-resistant incoloy sheath heating element and stainless steel interior.
- Easy-to-grip circular door handle.

Safety

- Keypad lock function prevents accidental changes during operation.
- Automatic run after power interruption.
- Over-temperature and over-current protection.
- Audible and visible open door alarms.

	Model	OF-01E	OF-11E	OF-21E	
Chamber volu	Ime (L / cu ft)	52 / 1.8	100 / 3.5	150 / 5.3	
	Range (°C / °F)	Amb. +10 to 220 / Amb. +18 to 428			
Temperature	Fluctuation ¹⁾ at 100℃ (±℃ / ℉)	0.4 / 0.72			
	Variation ¹⁾ at 100°C (±°C / °F)	3.3 / 5.94	3.3 / 5.94	2.3 / 4.14	
	Interior (mm / inch)	375×370×370 / 14.8×14.6×14.6	455×430×510 / 18×17×20	585×460×555 / 23×18.1×21.9	
(W×D×H)	Exterior (mm / inch)	530×535×737 / 20.9×21.1×29	610×595×877 / 24×23.4×34.5	740×625×922 / 29.1×24.6×36.3	
	No. of wire shelf (standard / max.)	2/9	2/13	2 / 14	
	Net weight (Kg / Ibs)	36 / 79.4	47 / 103.6	59 / 130	
Electrical requ	uirements (230V, 50 / 60 Hz)	4.3A	6 A	7.4A	
Cat. No.		AAH14012K	AAH14022K	AAH14032K	
Electrical requirements (120V, 60 Hz)		6.8A	8.4A	10.1A	
Cat. No.		AAH14016U	AAH14026U	AAH14036U	

1)Technical data according to DIN 12880.

Natural Convection Ovens (General)



Performance

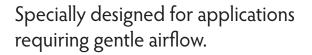
- Temperature range from ambient +15℃ to 250℃
- Microprocessor PID control / Temperature calibration / Automatic tuning.
- Gravity flow convection for uniform sample heating.
 Ideal for all sterilization, drying, and high-temperature storage tasks that do not require high drying performance or airflow.
- · Adjustable dual slide vents for inner vapor circulation.

Convenience

- Intuitive control panel with bright LED displays. (1°Cresolution)
- Dual wait on/off timer modes. (1 min. to 99 hr. 59 min.)
- Convenient presetting function for 3 most commonly used temperature settings.
- Rounded inner chamber corners for easy cleaning and optimal airflow.
- Corrosion-resistant incoloy sheath heating element and stainless steel interior.
- Fully insulated dual-wall door with 180 degree hinges and a pull-down handle.
- Threefold tempered-glass window provides clear inside view of the chambers. (optional)
- RS-232 interface for external control and data collection.

Safety

- Keypad lock function prevents accidental changes during operation.
- · Automatic run after power interruption.
- · Over-temperature and over-current protection.
- Audible and visible open door alarms.





ON-22G

with optional viewing window

Standard accessories Optional accessories • Wire shelves (2ea)

see page 112

Tempered viewing windows
Perforated shelves

•	Perfora	atea	sneiv	e

	Model	ON-02G	ON-12G	ON-22G
Chamber volu	Ime (L / cu ft)	52 / 1.8	91 / 3.2	135 / 4.8
	Range (°C / °F)	Amb. +15 to 250 / Amb. +27	to 482	
Temperature	Fluctuation ¹⁾ at 100°C (±°c / °F)	0.3 / 0.54		
	Variation ¹⁾ at 100°C (±°C / °F)	5.9 / 10.62	7.5 / 13.5	6.9 / 12.42
	Interior (mm / inch)	400×360×365 / 15.7×14.2×14.4	480×410×465 / 18.9×16.1×18.3	610×460×485 / 24×18×19
Dimension (W×D×H)	Exterior (mm / inch)	577×542×760 / 22.7×21.3×30	657×592×870 / 25.9×23.3×34.3	785×642×897 / 30.9×25.3×35.3
	No. of wire shelf (standard / max.)	2/7	2 / 11	2 / 13
	Net weight (Kg / Ibs)	49 / 108	59 / 130	68 / 150
Electrical requ	irements (230V, 50 / 60 Hz)	4.3A	6A	7.4 A
Cat. No.		AAH11135K	AAH11145K	AAH11155K
Electrical requ	irements (120V, 60 Hz)	6.7A	8.3A	10 A
Cat. No.		AAH11136U	AAH11146U	AAH11156U

1) Technical data according to DIN 12880.

Natural Convection Ovens (Economy)



Economical multi-function ovens with gentle airflow.



ON-11E

see page 112

Standard accessories Optional accessories • Wire shelves (2ea)

cessories • Perforated shelves

Performance

- Temperature range from ambient +15°C to 220°C.
- Microprocessor PID control / Temperature calibration / Automatic tuning.
- Gravity flow convection for uniform sample heating.
- Adjustable dual slide vents for inner vapor circulation.

Convenience

- Intuitive control panel with bright LED displays. (1°Cresolution)
- Dual wait on/off timer modes. (1 min. to 99 hr. 59 min.)
- Convenient presetting function for 3 most commonly used temperature settings.
- Corrosion-resistant incoloy sheath heating element and stainless steel interior.
- Moderately sized, an easy to clean spacious chamber, and an easy to grip circular door handle.

Safety

- Keypad lock function prevents accidental changes during operation.
- Automatic run after power interruption.
- Over-temperature and over-current protection.
- · Audible and visible open door alarms.

	Model	ON-01E	ON-11E	ON-21E
Chamber volu	me (L / cu ft)	52 / 1.8	100 / 3.5	150 / 5.3
	Range (°c / °F)	Amb. +15 to 220 / Amb. +2	7 to 428	
Temperature	Fluctuation ¹⁾ at 100°C (±°C / °F)	0.3 / 0.54	0.4 / 0.72	0.5 / 0.9
	Variation ¹⁾ at 100℃ (±℃ / °F)	6.5 / 11.7	4.1 / 7.38	7.3 / 13.14
	Interior (mm / inch)	375×370×370 / 14.8×14.6×14.6	455×430×510 / 18×17×20	585×460×555 / 23×18.1×21.9
Dimension (W×D×H)	Exterior (mm / inch)	530×535×737 / 20.9×21.1×29	610×595×877 / 24×23.4×34.5	740×625×922 / 29.1×24.6×36.3
	No. of wire shelf (standard / max.)	2/9	2 / 13	2 / 13
	Net weight (Kg / Ibs)	34 / 75	46 / 101.4	59 / 130
Electrical requi	irements (230V, 50 / 60 Hz)	4.3A	6A	7.4 A
Cat. No.		AAH15015K	AAH15025K	AAH15035K
Electrical requirements (120V, 60 Hz)		6.7A	8.3A	10A
Cat. No.		AAH15016U	AAH15026U	AAH15036U

1)Technical data according to DIN 12880.

Vacuum Ovens



Performance

- Temperature range from ambient +5℃ to 250℃
- Vacuum range: 0 to 0.1 MPa. (analog vacuum gauge)
- Drying a solvent in vacuum lowers its boiling point, thereby making the separation process easier and eliminating the need to use high temperatures.
- Microprocessor PID control / Temperature calibration / Automatic tuning.
- Uniform heat distribution from block type heater attached to the chamber exterior to the anodized aluminum shelves.

Convenience

- Intuitive control panel with bright LED displays. (1°Cresolution)
- Dual wait on/off timer modes. (1 min. to 99 hr. 59 min.)
- Convenient presetting function for 3 most commonly used temperature settings.
- Viton (fluorine rubber) door gasket also available for acidic applications. (optional)
- Heat tempered glass window provides clear inside view of the chambers
- Tight vacuum seal thanks to spring-loaded glass door, silicone gasket, and a push-button latch handle.
- Separate vacuum and vent ports.
- RS-232 interface for external control and data collection.

Safety

- Keypad lock function prevents accidental changes during operation.
- · Automatic run after power interruption.
- · Over-temperature and over-current protection.

Optimally constructed for separating solvents from solutions or drying solvents with high boiling points.



Uvens

OV-11

Standard accessories	Plate shelves (2ea for OV-11, 3ea for OV-12)
see page 113	 Safety cover, Viton gasket Vacuum pumps and oil mist trap Cold trap baths and U-type class trap

	Model	OV-11	OV-12
Chamber volum	e (L / cu ft)	28 / 1	65 / 2.3
Vacuum range		0~0.1MPa, Analog	
Nozzle size (mm /	inch)	Vacuum Ø10 / 0.4, Vent Ø10 / 0.4	
	Range (°C / °F)	Amb. +5 to 250 / Amb. +9 to 482	
Temperature	Fluctuation ¹⁾ at 100°C (±°c / °F)	0.1 / 0.18	0.3 / 0.54
	Variation ¹⁾ at 100°C (±°c / °F)	3.7 / 6.66	· · · ·
	Interior (mm / inch)	302×305×302 / 11.9×12×11.9	402×405×402 / 15.8×15.9×15.8
Dimension	Exterior (mm / inch)	680×453×495 / 26.8×17.8×19.5	780×557×595 / 30.7×21.9×23.4
(W×D×H)	No. of shelf (standard / max.)	2	3
	Net weight (Kg / Ibs)	63 / 139	103 / 227
Electrical require	ements (230V, 50 / 60 Hz)	5.3A	6.1A
Cat. No.		AAH13115K	AAH13125K
Electrical require	ements (120V, 60 Hz)	10A	11.7A
Cat. No.		AAH13116U	AAH13126U

1) Technical data according to DIN 12880.

Reliable HEPA filter guarantees class 100 cleanliness inside of our clean oven. Ideal for specific use such as heat treatment and drying process.

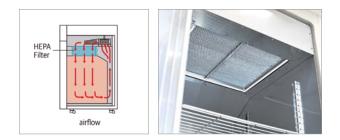


OFC-40P(HP), OFC-20(H)

with optional viewing window, digital differential pressure gauge

Standard accessories

- Wire shelves (2ea for 200L chambers, 3ea for 400L chambers)
- Optional accessories see page 113
- HEPA filter, Analog differential pressure gauge
- Gateway, Digital recorders
- Digital differential pressure gauge
- Tempered viewing window



Class 100 cleanliness is achieved by HEPA filter.

- 0.3 μm and larger particulates are removed with 99.97% efficiency, leak-tight HEPA filter which satisfying class 100.
- Easy HEPA filter condition check by a built-in front differential pressure.
- Real time monitor of HEPA filter is available.
- Optional digital differential pressure gauge let users know when filter needs replacement.

Programmable model (OFC-P, OFC-PH) for intelligent program control

- 10 programs available for temperature ramp up and dwell control.
- 10 steps per a program and 99 hours 59 minutes per a step.
- · Stored programs are easily linkable.
- Programs can be repeated up to 99 cycles.
- Pre-heating and heating time are settable before program starts.

General model (OFC, OFC-H) for simple and quick control

- Designed for offering the simplest control by user-friendly control panel.
- Set value and present value are shown on display at once.
- Easy adjustable knob for convenient set values and select functions.
- Intuitive heating level indication bar.





Performance

- Rapid heating performance up to maximum 300℃
- Microprocessor PID control.
- Three point temperature calibration / Automatic tuning.
- Forced air convection generated by two noiseless and powerful sirocco fans ensures optimal air circulation, temperature uniformity, and short heat-up time.
- Adjustable dual slide vents for inner vapor circulation.
- Energy efficiency is achieved thanks to optimization of the insulation system.
- Even if the unit is operating at max. temperature, the surface of the unit doesn't allow high temperatures.

Convenience

- Optimum model selection is available according to two different types of control panel.
- Intuitive touch screen LCD controller with easy icons and logical menus. (for OFC-P/HP) $\,$
- Bright VFD display with quick adjustable dial knob. (for OFC/H)
- Dual wait on/off timer modes. (1 min. to 99 hr. 59 min.)
- Convenient presetting function for 3 most commonly used temperature settings.

- Rounded inner chamber corners for easy cleaning and optimal airflow.
- Corrosion-resistant incoloy sheath heating element and stainless steel interior.
- Threefold tempered-glass window provides clear inside view of the chamber. (optional)
- USB port and RS-232 port for external control and data collection.
- Casters for easy mobility during installation or relocation.

Safety

- Automatic run after power interruption.
- · Over-current protection.
- Triple independent temperature monitor system.
- Temperature deviation alarm (High/Low)
- Electronic temperature limiter (High/Low)
- Mechanical over-temperature limiter (High)
- Alarms for open door status, temperature sensor error and temperature deviation.
- Keypad lock function prevents accidental changes during operation.

Pr	rogrammable Model	OFC-20P	OF3-40P	OFC-20HP	OFC-40HP
Chamber volu	ume (L / cu ft)	200 / 7.1	400 / 14.1	200 / 7.1	400 / 14.1
	Range (°c / °F)	Amb. +15 to 200 / Amb	0.+27 to 392	Amb. +15 to 300 / Amb	o.+27 to 572
Temperaure	Fluctuation ¹⁾ at 100°C (±°C / °F)	0.2 / 0.36	400 / 14.1 200 / Amb.+27 to 392 2.2 / 3.96 645x750x866 6.2 / 25.4x29.5x34.1 0 850x1100x1625 3.1 / 33.5x43.3x64 250 / 551.2 3 / 7 .0 A 3115K - .0 A 200 / Amb.+27 to 392 .1 .2 2 / 3.96 645x750x866 6.2 .1 / 33.5x43.3x64 .2 / 25.4x29.5x34.1 .1 / 33.5x43.3x64 .2 / 55.1.2 .3 / 7 .0 A .1115K	0.2 / 0.36	
	Variation ¹⁾ at 100°C (±°C / °F)	2.0/3.60	2.2 / 3.96	2.0 / 3.60	2.2/3.96
	Interior (mm / inch)	645×750×412 / 25.4×29.5×16.2		645×750×412 / 25.4×29.5×16.2	645×750×866 / 25.4×29.5×34.1
Dimension (W×D×H)	Exterior (mm / inch)	850x1100x1170 / 33.5x43.3x46.1		850x1100x1170 / 33.5x43.3x46.1	850x1100x1625 / 33.5x43.3x64
	Net weight (Kg / Ibs)	190 / 418.9	250 / 551.2	190 / 418.9	250 / 551.2
Shelves	No. of wire shelf (standard / max.)	2/4	3/7	2/4	3/7
Sileives	Max. load per shelf (kg / lbs)	25 / 55.1		25 / 55.1	
Electrical requ	uirements (230V, 50/60Hz)	1P, 12.0 A			
Cat No.	Solid door	AAH173115K	-	-	-
Gat NO.	Window door	AAH173125K	-	-	-
Electrical requ	uirements (380V, 50Hz)		3P, 6.7 A	3P, 6.2 A	3P, 9.0 A
Electrical requirements (380V, 50Hz) Cat No. Solid door	Solid door	-		AAH174114K	AAH174214K
Cat No.	Solid door - AAH173214K AA Window door - AAH173224K AA	AAH174124K	AAH174224K		
	General Model	OFC-20	OFC-40	OFC-20H	OFC-40H
				200 / 7.1 400 / 14.1	
Chamber volu	ume (L / cu ft)	200 / 7.1	400 / 14.1	200 / 7.1	400 / 14.1
Chamber volu	ume (L / cu ft) Range (℃ / °F)	200 / 7.1 Amb. +15 to 200 / Amb			
	Range (°C / °F) Fluctuation ¹⁾ at 100°C (±°C / °F)				
Chamber volu Temperaure	Range (°C / °F)	Amb. +15 to 200 / Amb	0.+27 to 392	Amb. +15 to 300 / Amb	,
Temperaure	Range (°C / °F) Fluctuation ¹⁾ at 100°C (±°C / °F)	Amb. +15 to 200 / Amb 0.2 / 0.36	0.+27 to 392 2.2 / 3.96 645×750×866	Amb. +15 to 300 / Amb 0.2 / 0.36	o.+27 to 572
Temperaure Dimension	Range (℃ / °F) Fluctuation ¹⁾ at 100°C (±℃ / °F) Variation ¹⁾ at 100°C (±℃ / °F)	Amb. +15 to 200 / Amb 0.2 / 0.36 2.0 / 3.60 645×750×412	2.2 / 3.96 645×750×866 / 25.4×29.5×34.1 850×1100×1625	Amb. +15 to 300 / Amb 0.2 / 0.36 2.0 / 3.60 645×750×412	2.2 / 3.96 645×750×866
Temperaure Dimension	Range (°C / °F) Fluctuation ¹¹ at 100°C (±°C / °F) Variation ¹¹ at 100°C (±°C / °F) Interior (mm / inch)	Amb. +15 to 200 / Amb 0.2 / 0.36 2.0 / 3.60 645×750×412 / 25.4×29.5×16.2 850×1100×1170	2.2 / 3.96 645×750×866 / 25.4×29.5×34.1 850×1100×1625 / 33.5×43.3×64	Amb. +15 to 300 / Amb 0.2 / 0.36 2.0 / 3.60 645x750x412 / 25.4x29.5x16.2 850x1100x1170	2.2/3.96 645×750×866 /25.4×29.5×34.1 850×1100×1625
Temperaure Dimension (W×D×H)	Range (°C / °F) Fluctuation ¹¹ at 100°C (±°C / °F) Variation ¹¹ at 100°C (±°C / °F) Interior (mm / inch) Exterior (mm / inch)	Amb. +15 to 200 / Amb 0.2 / 0.36 2.0 / 3.60 645×750×412 / 25.4×29.5×16.2 850×1100×1170 / 33.5x43.3x46.1	2.2 / 3.96 645x750x866 / 25.4x29.5x34.1 850x1100x1625 / 33.5x43.3x64 250 / 551.2	2.0 / 3.60 645×750×412 1 / 25.4×29.5×16.2 850×1100×1170 / 33.5×43.3×46.1 190 / 418.9 2 / 4 25 / 55.1 - A 3P, 6.2 A 14K AAH174114K 24K AAH174114K 24K AAH174124K 0 OFC-20H 200 / 7.1 Amb. +15 to 300 / Amb. 0.2 / 0.36 2.0 / 3.60 645×750×412 1 / 25.4×29.5×16.2 850×1100×1170 / 33.5×43.3×46.1 190 / 418.9 2 / 4 25 / 55.1 -	2.2/3.96 645×750×866 /25.4×29.5×34.1 850×1100×1625 /33.5×43.3×64
Temperaure Dimension (W×D×H)	Range (°C / °F) Fluctuation ¹¹ at 100°C (±°C / °F) Variation ¹¹ at 100°C (±°C / °F) Interior (mm / inch) Exterior (mm / inch) Net weight (Kg / Ibs)	Amb. +15 to 200 / Amb 0.2 / 0.36 2.0 / 3.60 645×750×412 / 25.4×29.5×16.2 850×1100×1170 / 33.5×43.3×46.1 190 / 418.9	2.2 / 3.96 645x750x866 / 25.4x29.5x34.1 850x1100x1625 / 33.5x43.3x64 250 / 551.2	Amb. +15 to 300 / Amb 0.2 / 0.36 2.0 / 3.60 645x750x412 / 25.4x29.5x16.2 850x1100x1170 / 3.5x43.3x46.1 190 / 418.9 2 / 4	2.2/3.96 645×750×866 /25.4×29.5×34.1 850×110×1625 /33.5×43.3×64 250/551.2
Temperaure Dimension (W×D×H) Shelves	Range (°C / °F) Fluctuation ¹¹ at 100°C (±°C / °F) Variation ¹¹ at 100°C (±°C / °F) Interior (mm / inch) Exterior (mm / inch) Net weight (Kg / Ibs) No. of wire shelf (standard / max.)	Amb. +15 to 200 / Amb 0.2 / 0.36 2.0 / 3.60 645×750×412 / 25.4×29.5×16.2 850×1100×1170 / 33.5×43.3×46.1 190 / 418.9 2 / 4	2.2 / 3.96 645x750x866 / 25.4x29.5x34.1 850x1100x1625 / 33.5x43.3x64 250 / 551.2	Amb. +15 to 300 / Amb 0.2 / 0.36 2.0 / 3.60 645x750x412 / 25.4x29.5x16.2 850x1100x1170 / 3.5x43.3x46.1 190 / 418.9 2 / 4	2.2/3.96 645×750×866 /25.4×29.5×34.1 850×110×1625 /33.5×43.3×64 250/551.2
Temperaure Dimension (W×D×H) Shelves Electrical requ	Range (°C / °F) Fluctuation ¹¹ at 100°C (±°C / °F) Variation ¹¹ at 100°C (±°C / °F) Interior (mm / inch) Exterior (mm / inch) Net weight (Kg / Ibs) No. of wire shelf (standard / max.) Max. load per shelf (kg / Ibs)	Amb. +15 to 200 / Amb 0.2 / 0.36 2.0 / 3.60 645x750x412 / 25.4x29.5x16.2 850x1100x1170 / 33.5x43.3x46.1 190 / 418.9 2 / 4 25 / 55.1	2.2 / 3.96 645x750x866 / 25.4x29.5x34.1 850x1100x1625 / 33.5x43.3x64 250 / 551.2	Amb. +15 to 300 / Amb 0.2 / 0.36 2.0 / 3.60 645x750x412 / 25.4x29.5x16.2 850x1100x1170 / 3.5x43.3x46.1 190 / 418.9 2 / 4	2.2/3.96 645×750×866 /25.4×29.5×34.1 850×110×1625 /33.5×43.3×64 250/551.2
Temperaure Dimension (W×D×H) Shelves Electrical requ	Range (°C / °F) Fluctuation ¹¹ at 100°C (±°C / °F) Variation ¹¹ at 100°C (±°C / °F) Interior (mm / inch) Exterior (mm / inch) Net weight (Kg / Ibs) No. of wire shelf (standard / max.) Max. load per shelf (kg / Ibs) uirements (230V, 50/60Hz)	Amb. +15 to 200 / Amb 0.2 / 0.36 2.0 / 3.60 645×750×412 / 25.4×29.5×16.2 850×1100×1170 / 33.5×43.3×46.1 190 / 418.9 2 / 4 25 / 55.1 1P, 12.0 A	2.2 / 3.96 645x750x866 / 25.4x29.5x34.1 850x1100x1625 / 33.5x43.3x64 250 / 551.2	Amb. +15 to 300 / Amb 0.2 / 0.36 2.0 / 3.60 645x750x412 / 25.4x29.5x16.2 850x1100x1170 / 3.5x43.3x46.1 190 / 418.9 2 / 4	2.2/3.96 645×750×866 /25.4×29.5×34.1 850×110×1625 /33.5×43.3×64 250/551.2
Temperaure Dimension (W×D×H) Shelves Electrical requ Cat No.	Range (°C / °F) Fluctuation ¹¹ at 100°C (±°C / °F) Variation ¹¹ at 100°C (±°C / °F) Interior (mm / inch) Exterior (mm / inch) Net weight (Kg / Ibs) No. of wire shelf (standard / max.) Max. load per shelf (kg / Ibs) uirements (230V, 50/60Hz) Solid door	Amb. +15 to 200 / Amb 0.2 / 0.36 2.0 / 3.60 645×750×412 / 25.4×29.5×16.2 850×1100×1170 / 33.5×43.3×46.1 190 / 418.9 2 / 4 25 / 55.1 1P, 12.0 A AAH171115K	2.2 / 3.96 645×750×866 / 25.4×29.5×34.1 850×1100×1625 / 33.5×43.3×64 250 / 551.2 3 / 7	Amb. +15 to 300 / Amb 0.2 / 0.36 2.0 / 3.60 645x750x412 / 25.4x29.5x16.2 850x1100x1170 / 3.5x43.3x46.1 190 / 418.9 2 / 4	2.2/3.96 645×750×866 /25.4×29.5×34.1 850×1100×1625 /33.5×43.3×64 250/551.2
Temperaure Dimension (W×D×H) Shelves Electrical requ Cat No.	Range (°C / °F) Fluctuation ¹¹ at 100°C (±°C / °F) Variation ¹¹ at 100°C (±°C / °F) Interior (mm / inch) Exterior (mm / inch) Net weight (Kg / Ibs) No. of wire shelf (standard / max.) Max. load per shelf (kg / Ibs) uirements (230V, 50/60Hz) Solid door Window door	Amb. +15 to 200 / Amb 0.2 / 0.36 2.0 / 3.60 645×750×412 / 25.4×29.5×16.2 850×1100×1170 / 33.5×43.3×46.1 190 / 418.9 2 / 4 25 / 55.1 1P, 12.0 A AAH171115K	2.2 / 3.96 645×750×866 / 25.4×29.5×34.1 850×1100×1625 / 33.5×43.3×64 250 / 551.2 3 / 7	Amb. +15 to 300 / Amb 0.2 / 0.36 2.0 / 3.60 645x750x412 / 25.4x29.5x16.2 850x1100x1170 / 33.5x43.3x46.1 190 / 418.9 2 / 4 25 / 55.1	2.2/3.96 645×750×866 /25.4×29.5×34.1 850×1100×1625 /33.5×43.3×64 250/551.2 3/7

1) Technical data according to DIN 12880.

for Forced / Natural convection ovens



Wire shelves

Perforated shelves

Fan speed adjuster

Wire shelves & Perforated shelves

Stainless steel and electro-polished shelf system is removed easily without using tools for easy cleaning.

Description	Wire shelve	s	Perforated s	shelves	- Suitable for
W×L (mm / inch)	Standard/Maximum	Cat. No.	Maximum	Cat. No.	- Suitable for
	2/7		7		OF-02G/P
366×316 / 14.4×12.4	4 / 14	EDA8136	14	AAA12531	OF-02G-2C
	8 / 28		28		OF-02G-4C
446×366 / 17.6×14.4	2 / 11	EDA8135	11	AAA12532	OF-12G/P
516×416 / 20.3×16.4	2 / 13	EDA8134	13	AAA12533	OF-22G/P
366×316 / 14.4×12.4	2/9	EDA8136	9	AAA12531	OF-01E, ON-01E
446×366 / 17.6×14.4	2 / 13	EDA8135	13	AAA12532	OF-11E, ON-11E
576×419 / 22.7×16.5	2 / 14	EDA8137	14	AAA12535	OF-21E, ON-21E
	2/5	RTD1196	5	AAA18501	OF3-30 models
708×608 / 27.9×23.9	3/8	RID1190	8	AAA 16501	OF3-45 models
	3 / 11	RTD1197	11	AAA18502	OF3-75 models
366×316 / 14.4×12.4	2/7	EDA8136	7	AAA12531	ON-02G
446×366 / 17.6×14.4	2 / 11	EDA8135	11	AAA12532	ON-12G
576×419 / 22.7×16.5	2 / 13	EDA8137	13	AAA12535	ON-22G
366×316 / 14.4×12.4	2/9	EDA8136	9	AAA12531	ON-01 E
446×366 / 17.6×14.4	2 / 13	EDA8135	13	AAA12532	ON-11E
576×419/22.7×16.5	2 / 13	EDA8137	13	AAA12535	ON-21E

Tempered viewing windows

Optimized sample monitoring with threefold, tempered safety glass window.

Cat. No.	Description (Thickness, W×L)	Suitable for
AAA12611	5, 150×280mm / 0.2, 5.9×11″	OF-02G/P, ON-02G
AAA12612	5, 150×380mm / 0.2, 5.9×15″	OF-12G/P, OF-22G/P ON-12G, 22G

Gateway

Establish Jeio Tech Network by Gateway. No computer use is required at all. Remote monitoring of operating status through a mobile device (Android only) is simply available when you place a Gateway in your lab. Maximum 4 units can be connected to Gateway by RS-232 cable.

Cat. No.	Description	Suitable for	
AAAQ1011	Gateway (2.4GHz, 100~240V, 50/60Hz)	OF-P, OF3 models	

Fan speed adjuster

Adjustable inner air circulation speed, which protects spreading out powder sample.

Cat. No.	Description	Suitable for
AAA12701	Analog dial control	OF-02G, 12G, 22G

Recorders

Easy recognizable digital recorders for efficient temperature indicating.

Cat. No.	Description	Suitable for	
AAA8T500	Recorder (6 point)	052	
AAAE1503	Recorder (thermal line type)	OF3 models	

for Vacuum ovens





Safety covers

Viton gaskets





Vacuum pumps

Cold trap baths

Safety covers

In case of the glass is destroyed, the netted steel frame and polycarbonate sheet cover prevent user from glass splinters.

Cat. No.	Description	Suitable for	
AAA13603	Safety cover	OV-11	
AAA13604	Safety cover	OV-12	

Related products for vacuum ovens

Cat. No.	Vacuum pumps
BEH73205K	W2V10 (230V, 50/60Hz)
BEH73206U	W2V10 (120V, 60Hz)
BEA700351	Oil mist trap (PC)
BEA700355	Oil mist trap (metal)
BEA700353	Vacuum pump oil (1L)
BEA700354	Vacuum pump oil (20L)
Cat. No.	Cold trap baths
AAH62011K	CTB-10 (230V, 60Hz)
AAH62012K	CTB-10 (230V, 50Hz)
FCA1110	U-type glass trap (1ea)

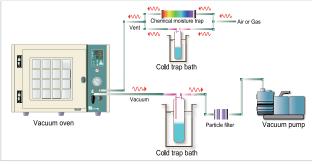
※ In order to get rid of evaporated oil or to block oil in-flow, an optional oil mist trap is recommended. (refer to page 115 for additional information.)

Gaskets

Viton (fluorine rubber) door gaskets can be provided upon request.

Cat. No. Description		Suitable for		
FAA5146	Silicone gasket	01/11		
FAA5187	Viton (fluorine rubber) gasket	OV-11		
FAA5147	Silicone gasket	01/10		
FAA5188	Viton (fluorine rubber) gasket	OV-12		

Organization chart for use of vacuum oven with pump and cold trap bath



In addition to standard accessories, we can also provide customized accessories to meet your specific requirements. Please contact your local dealer for more details.

for Clean ovens

Wire shelves & Perforated shelves

Stainless steel and electro-polished shelf system is removed easily without using tools for easy cleaning.

Description	Wire shelve	s	Perforated sh	elves	- Suitable for
W×L (mm / inch)	Standard/Maximum	Cat. No.	Maximum	Cat. No.	Suitable for
708×608 / 27.9×23.9	2/4	RTD1196	4	AAA18501	OFC-20 models
100×000/21.9×23.9	3/7	RID1190	7	AAA 10001	OFC-40 models

HEPA filter

Biohazardous aerosols and other visible and non-visible particles. (filtration efficiency: 99.99% at 0.3 microns)

Cat. No.	Description	Suitable for
STT2791	HEPA filter (200°C, 549x447x150mm / 21.6x17.6x5.9″)	OFC models, OFC-P models
STT2792	HEPA filter (300°c 549x447x150mm / 21.6x17.6x5.9″)	OFC-H models, OFC-HP models

Digital differential pressure gauge

Digital differential pressure sensor allows for easy verification of HEPA filter condition great for knowing when to change HEPA filter.

	0	0	0
Cat. No.		Description	
AAA17508	Digital differential	pressure gauge	

Gateway

Establish Jeio Tech Network by Gateway. No computer use is required at all. Remote monitoring of operating status through a mobile device (Android only) is simply available when you place a Gateway in your lab. Maximum 4 units can be connected to Gateway by RS-232 cable.

Cat. No.	Description	
AAAQ1011	Gateway (2.4GHz, 100~240V, 50/60Hz)	

Recorders

Easy recognizable digital recorders for efficient temperature indicating.

Cat. No.	Description
AAA8T500	Recorder (6 point)
AAAE1503	Recorder (thermal line type)