

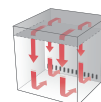
Forced Convection Ovens (Programmable / General)

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.



REMOTE CONTROL
with your **MOBILE DEVICE**
see page 8-9



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

with optional viewing window

Standard accessories

- Wire shelves (2ea for 314L chambers, 3ea for 450/760L chambers)

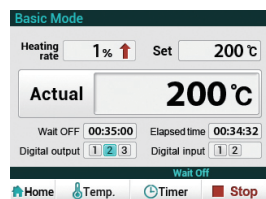
Optional accessories

see page 112

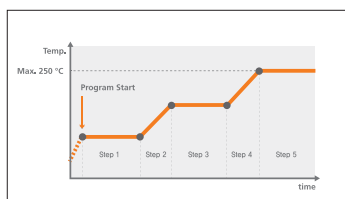
- Perforated shelves
- Digital recorders
- Gateway

Programmable model (OF3-P/PH)

for intelligent program control



Color touch LCD display



- 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 (OF3/H)

for simple and quick control



Bright VFD display and quick adjustable dial knob

- 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.

Programmable Model		OF3-30P	OF3-45P	OF3-75P	OF3-30HP	OF3-45HP	OF3-75HP
Chamber volume (L / cu ft)		314 / 11.1	450 / 15.9	760 / 26.8	314 / 11.1	450 / 15.9	760 / 26.8
Temperaure	Range (°C / °F)	Amb. +10 to 200 / Amb.+18 to 392			Amb. +10 to 300 / Amb.+18 to 572		
	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
Dimension (WxDxH)	Interior (mm / inch)	645x750x650 / 25.4x29.5x25.6	645x750x930 / 25.4x29.5x36.6	745x850x1200 / 29.3x33.5x47.2	645x750x650 / 25.4x29.5x25.6	645x750x930 / 25.4x29.5x36.6	745x850x1200 / 29.3x33.5x47.2
	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 / lbs)	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
	Max. load per shelf (kg / lbs)	25 / 55.1			25 / 55.1		
Electrical requirements (230V, 50/60Hz, A)		1P, 13.2 A			3P, 6.7 A		
Cat No.	Solid door	AAH18615K	-	-	-	-	-
	Window door	AAH18715K	-	-	-	-	-
Electrical requirements (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
	Window door	-	AAH187214K	AAH187314K	AAH197114K	AAH197214K	AAH197314K
General Model		OF3-30	OF3-45	OF3-75	OF3-30H	OF3-45H	OF3-75H
Chamber volume (L / cu ft)		314 / 11.1	450 / 15.9	760 / 26.8	314 / 11.1	450 / 15.9	760 / 26.8
Temperaure	Range (°C / °F)	Amb. +10 to 200 / Amb.+18 to 392			Amb. +10 to 300 / Amb.+18 to 572		
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	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
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	Net weight (Kg / lbs)	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
	Max. load per shelf (kg / lbs)	25 / 55.1			25 / 55.1		
Electrical requirements (230V, 50/60Hz, A)		1P, 13.2 A			3P, 6.7 A		
Cat No.	Solid door	AAH18215K	-	-	-	-	-
	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
Cat No.	Solid door	-	AAH182214K	AAH182314K	AAH192114K	AAH192214K	AAH192314K
	Window door	-	AAH183214K	AAH183314K	AAH193114K	AAH193214K	AAH193314K

1) Technical data according to DIN 12880.

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