

Jeiotech Vacuum Ovens



Optimal vacuum oven with wide temperature range for various test applications

OV series is ideal for separating a solvent from a solution without high temperature drying on a phase of the substance containing humidity or other solvents.

Operating features

- 5°C above room temperature to 250°C
- Uniformity ±2°C at 100°C (based on various conditions)
- Vacuum range: 0 to 0.1MPa, analog gauge
- Microprocess PID control/ Auto-tuning/ Calibration
- Digital timer: 1 min to 99 hr 59 min, delayed ON/ OFF
- Over-temperature limiter/ Door opening alarm
- 3 different temperature values memorable without auto-tuning
- Digital LED display (1°C resolution) with touch-sensitive keypads
- RS-232 interface available

Constructional features

- Separately equipped vacuum and vent ports the narrow vent line to control vacuum rate and inert atmospheres slowly/ the wider vacuum line to produce a vacuum quickly
- Tight seal at a vacuum level by equipped door gasket and a push-button latch
- Block type heaters heat the chamber evenly and good transmission by anodized aluminium plate shelves
- Heat-tempered full view window permits continuous monitoring
- Excellent space efficiency and user-friendly all-in-one type operating panel
- Available very persistent Viton (Fluorine rubber) door gasket upon request (optional)

Specifications

Model		OV-11	OV-12
Chamber volume		28L (1.0cu ft)	65L (2.3cu ft)
Vacuum range		0 ~ 0.1MPa, Analog	
Nozzle size		Vacuum \varnothing 10mm (\varnothing 0.4inch), Vent \varnothing 10mm (\varnothing 0.4inch)	
Temperature	Range	Amb.+5 $\dot{\text{E}}$ to 250 $\dot{\text{E}}$ (Amb.+9 $\phi\mu$ to 482 $\phi\mu$)	
	Accuracy	$\dot{\text{I}}$ 2 $\dot{\text{E}}$ at 100 $\dot{\text{E}}$ ($\dot{\text{I}}$ 3.6 $\phi\mu$ at 212 $\phi\mu$)	
	Uniformity	$\dot{\text{I}}$ 2 $\dot{\text{E}}$ at 100 $\dot{\text{E}}$ ($\dot{\text{I}}$ 3.6 $\phi\mu$ at 212 $\phi\mu$)	
	Heat up time	100 $\dot{\text{E}}$ (212 $\phi\mu$) within 70 min	100 $\dot{\text{E}}$ (212 $\phi\mu$) within 85 min
Dimension	Interior (W $\dot{\text{I}}$ D $\dot{\text{I}}$ H)	302 $\dot{\text{I}}$ 305 $\dot{\text{I}}$ 302mm (11.9x12.0x11.9 $\dot{\text{I}}$)	402 $\dot{\text{I}}$ 405 $\dot{\text{I}}$ 402mm (15.8x15.9x15.8 $\dot{\text{I}}$)
	Exterior (W $\dot{\text{I}}$ D $\dot{\text{I}}$ H)	680 $\dot{\text{I}}$ 453 $\dot{\text{I}}$ 495mm (26.8x17.8x19.5 $\dot{\text{I}}$)	780 $\dot{\text{I}}$ 557 $\dot{\text{I}}$ 595mm (30.7x21.9x23.4 $\dot{\text{I}}$)
	Net weight	63kg (139.0lb)	103kg (227.0lb)
Electrical Requirements (230V)		50/60Hz, 5.3A	50/60Hz, 6.1A
Cat. No.		AAH13115K	AAH13125K
Electrical Requirements (120V)		50/60Hz, 10.0A	50/60Hz, 11.7A
Cat. No.		AAH13116U	AAH13126U

Accessories and Options

Safety Covers

Preventing door glass explosion for user safety with a netted steel frame and polycarbonate sheet covering.

Gaskets

Available very persistent viton (Fluorine rubber) door gasket upon request

Vacuum Pumps

Direct connecting oil sealed and backward flow preventive equipped rotary vacuum pumps, which are essentially used with vacuum ovens to get high-degree vacuuming condition.

Cold Trap Baths

Preventing vacuum pumps in a condition of vacuuming as a cold trap to exclude water (vapor).