

Lab Vacuum Oven

Scope of Application

The Vacuum Oven enables efficient solvent separation from high-boiling-point samples by reducing boiling points under vacuum condition, preserving sensitive materials. It excels in drying heat-sensitive, decomposable, and oxidizable substances (e.g., pharmaceuticals, biochemicals) and sterilizing complex-composition items.

Key Features



Precise Temperature Control

The Vacuum Oven has a wide temperature range of up to 250°C, with improved temperature uniformity $\pm 3.7^\circ\text{C}$ at 100°C. Integrated programmer that allows the execution of time and temperature-dependent profiles.



User-Friendly Operation

Easy operated LED panel, with three common temperature points available to start the test quickly. All connections, including vacuum and venting, are located at the rear for easy access.



Structural and Safety Features

The oven features tempered glass doors for interior access, paired with a safety containment cover to protect users and labs if breakage occurs. It includes over-current/over-temperature safeguards, with multi-material O-ring options (>0.3um diameter available)



Real-Time Monitoring and Efficient Operation

The oven is equipped with a large LED temperature display that shows the actual value and setpoint with 0.1°C accuracy. A real-time vacuum gauge that displays the vacuum in the oven, and an RS232 interface that enables convenient and efficient operation, making it an essential tool for laboratory applications.



Specifications



Model	MOV-30	MOV-65	MOV-120
Capacity (L)	28	65	120
Temp. Range (°C)	RT. + 5 ~ 250		
Temp. Fluctuation (°C)	±0.1 °C(at 100°C)	±0.3°C(at 100°C)	±0.3°C (at 100°C)
Temp. Uniformity (°C)	±3.7°C (at 100°C)		
Heating Power (W)	2100		2550
Vacuum Range	0 ~ 0.1 MPa		
Timer	1min-99hr59min		
Power Supply	110V~/50/60Hz 220-240V~/50/60Hz		
Interior Dimension (W*D*H)mm	323 x 323 x 323	400 x 410 x 400	500 x 500 x 500
Exterior Dimension (W*D*H)mm	560 x 506 x 630	640 x 583 x 707	740 x 722 x 807
Net/Gross Weight (kg)	63/83	103/128	147/179

Accessories

