

Vacuum drying ovens are made up of stainless steel that can bear the high vacuum pressure without any kind of deformation. They are divided into hollow trays which increases the surface area for heat conduction. The materials to be dried are kept on the trays inside the vacuum dryer and pressure is reduced by means of vacuum pump. The dryer door is tightly shut and steam is passed through the space between trays and jacket so that the heat transfer occurs by conduction.

Lab1st's drying ovens are built with polished stainless steel interior, removable racks, overheat protection, inert gas inlet, temp calibration, timing and other functions. We provide 6 standard models: VO-01 (0.9 cu ft), VO-02 (1.9 cu ft), VO-03 (3.2 cu ft), VO-07 (7.5 cu ft) and VO-18 (17.8 cu ft). All ovens are CE compliant. Furthermore, we offer OEM and customization service as well.



Vacuum Drying Oven

## Features:

Temperature range: 5°C above ambient temperature to 250°C

Controller with digital display of pressure and temperature

The chamber door is double-layer toughened glass structure, which can clearly observe the process and has good heat insulation effect

A heat-resistant rubber seal ring is installed between the inner chamber and the glass door to ensure a higher vacuum level

Easy-to-clean smooth electro-polished stainless steel interior for exceptional durability and ease of maintenance

New generation large-LCD low proportional temperature controller with high accuracy within +/- 1°F (0.5 °C)

## Technical Data:

Model	VO-03
Technical Data	
Temperature Range [°C]	40°C-200°C
Timing Time Range	1 – 9999 min
Pressure Range	0.7mbar~Atm
Heating Method	Bottom Shelves heating
Vacuum Data	
Leak rate [bar/h]	0.01
Electrical Requirements	
Rated Voltage [V]	110   220
Power Frequency [Hz]	50/60

Power Phase [P]	1
Rated Power [kW]	1.5
Interior Chamber	
Interior Volume [L]	90
Width [mm]	450
Height [mm]	450
Depth [mm]	450
Shelf	
QTY [Std.   Max.]	3pcs   3pcs
Width [mm]	445
Depth [mm]	420
Chamber	
Door Gasket Material	Silicone rubber
Interior Chamber Material	SUS304
Viewing Window	1/2" thick toughened glass; 1/8" thick polycarbonate
Vacuum Port	KF25
Dimension	
Net Weight [Kg]	130
Overall Dimension [mm]	615 x 590 x 635
Wall Clearance Back [mm]	100
Wall Clearance Sidewise [mm]	70

## Package Information:

Length (cm)	90.00	Width (cm)	80.00
Height (cm)	85.00	CBM (m3)	0.61
Weight (kg)	135.00	Total capacity	0.61
Product Serial No.	9019	2023-06-01 15:40:23	

Technical details and dimensions are subject to change. No liability is accepted for errors or omissions. Illustrations can deviate from the original.

