

# Vacuum Drying Oven (up to +400°C)

**LABEC Vacuum Oven** is manufactured in Australia with high quality stainless steel for easy maintenance and excellent durability. Used where the entire heat-treating process is to take place under vacuum or a precisely controlled atmospheres.

An inconel element inside the vacuum chamber either wall or centre mounted with valves for the vacuum, bleed and purge of the oven chamber. Available in cylindrical or square chamber up to 100 litres capacity and temperature ranges of ambient +5°C to 400°C, (See model specifications).



Model VO3



PID Control display system

**Controller** – An analogue gauge up to -100KPA displays chamber pressure and a digital microprocessor based PID temperature controller controls the temperature.

## Data logging

When optioned the controller can be connected via RS232/RS485 communication ports which can be connected directly to a data logger or computer to collect this information. Software is available for programming and monitoring.

## Additional options

To suit your requirements the addition of options such as a safety toughened glass viewing window for easy viewing, programmable controllers and timers are also available.

**NOTE: Pump sold separately.**



VO6 oven inside



Optional viewing window



Model VO6

Serving the Scientific, Medical and Research industries since 1945

**LABEC**



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# SPECIFICATIONS

## Vacuum Drying Oven (up to +400°C)

CHAMBER SHAPE	CYLINDRICAL CHAMBER				SQUARE CHAMBER	
Model	V01	V02	V03	V04	V05	V06
Capacity (litres)	37	45	37	37	100	40
Int. Dim. (cm)	Cylindrical Chamber 33dia x 43depth	Cylindrical Chamber 33dia x 55depth	Cylindrical Chamber 33dia x 43depth	Cylindrical Chamber 33dia x 43depth	Square Chamber 50x50x40	Square Chamber 43x30x30
Ext. Dim. (cm) HxWxD	68 x 55 x 58	68 x 55 x 66	68 x 55 x 58	68 x 55 x 58	90 x 90 x 71	80 x 50 x 50
Temp. Controller	Digital PID Controller					
Temp. Min	Ambient+5°C					
Temp. Max	150°C	150°C	300°C	400°C	200°C, 300°C or 400°C	200°C, 300°C
Temp. Setting Accuracy	0.1°C					
Temp. Fluctuation	+/- 0.2°C					
Temp. Sensor	Type K					
Heating System	Electric Element					
Interior Material	Stainless Steel					
Exterior Material	Stainless Steel					
Shelves	2					
Options	Glass viewing window, vacuum pump, programmable controller, timer, additional shelves.					
Safety Features	Over temperature alarm temperature protection cut off, earth leakage breaker (ELB)					
Power Supply	240V / 50Hz					
Power (W)	1000	1000	2400	2400	3000-7200	2400-6800
Weight (kg)	60	65	78	85	85-125	68



### Standard features include:

- Over temperature thermostat.
- RCD/ ELB (earth leakage breaker).
- Adjustable/removable shelving.
- Type K Thermocouple.
- Stainless steel exterior.

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