

# Thermomac

## Vacuum Oven

### VO Series

Storage, heating, testing and drying can be performed in an oxygen-free environment, or gas can be introduced without oxidation.

Four-sided heating provides efficient heat transfer to the shelves.

Stainless steel inner chamber with rounded corners for easy cleaning.

The locking handle enables easy opening and closing of the door.

High-brightness digital display with a precision keypad for easy parameter setting.

PID microprocessor control with timing and over-temperature protection.

Explosion-resistant glass door and high-temperature silicone seal maintain thermal stability and vacuum for long periods.

The outer observation window has a protective resin panel for enhanced safety.



### Technical Specifications

| Model                       | VO24                                        | VO52        | VO91        |
|-----------------------------|---------------------------------------------|-------------|-------------|
| Capacity                    | 24 Liters                                   | 52 Liters   | 91 Liters   |
| Heating Mode                | Four-sided heating and vacuum decomposition |             |             |
| Voltage (V)                 | 100-120 V / 50-60 Hz & 200-240 V / 50-60 Hz |             |             |
| Heater Power (kW)           | 0.8                                         |             |             |
| Temperature Range           | RT+10 to 250 °C                             |             |             |
| Temperature Resolution      | 0.1 °C                                      |             |             |
| Temperature Variation       | ±1%                                         |             |             |
| Heating Time                | 80 min                                      | 100 min     | 120 min     |
| Vacuum Level                | <133 Pa                                     |             |             |
| Chamber Dimensions (W×D×H)  | 300×300×270                                 | 415×370×340 | 450×450×450 |
| External Dimensions (W×D×H) | 480×480×605                                 | 560×540×680 | 640×590×780 |
| Package Dimensions (W×D×H)  | 610×550×710                                 | 704×620×814 | 739×700×888 |
| Net Weight (kg)             | 42                                          | 67          | 82          |
| Shelf Load Capacity (kg)    | 15                                          |             |             |
| Safety Equipment            | Over-temperature audible and visual alarm   |             |             |



| Model               | VP-24       | VP-91       |
|---------------------|-------------|-------------|
| Pumping Speed (L/s) | 2           | 4           |
| Voltage (V)         | 220/380     | 220/380     |
| Motor Power (kW)    | 0.37        | 0.55        |
| Inlet Diameter (mm) | Ø25         | Ø25         |
| Oil Capacity (L)    | 0.8         | 1           |
| Speed (rpm)         | 1400        | 1400        |
| Noise Level         | < 60.0 dB   | < 60.0 dB   |
| Net Weight (kg)     | 20          | 23          |
| Dimensions (W×D×H)  | 488×145×280 | 528×145×280 |