

Technical datasheet

Integrated 400-500 °C Vacuum Oven Series

High-temperature vacuum ovens with double-wall chamber heating and a supplied cabinet-mounted vacuum pump. Compare 30-250 L chambers and 400 °C or 500 °C upper settings.



Representative series view. Cabinet size, shelf count, temperature rating and pump arrangement vary by model; consult the model table.

Key features

LCD temperature/timer controls and overtemperature alarm

Supplied cabinet-mounted vacuum pump

Model-specific power supply and shelf count

Standard Configuration

LCD temperature/timer controller, overtemperature alarm, adjustable door closure, silicone door seal, stainless steel chamber and power-restoration memory. Double-wall chamber heating, door seal for external water cooling, cabinet-mounted vacuum pump and pump-inlet gas cooling device are supplied.

Optional Accessories

Confirm external cooling-water arrangements and connection accessories before ordering.

Technical Information

Parameter	Value
Temperature range	Lower setting: ambient +10 °C
Temperature fluctuation	±1 °C
Ultimate vacuum	133 Pa
Timer range	0-9999 min

Model	Chamber volume (L)	Upper temperature setting (°C)	Input power (W)	Pump capacity (L/s)
PT-VDO-036	30	400	2870	2
PT-VDO-037	53	400	3570	2
PT-VDO-038	90	400	4370	2
PT-VDO-039	250	400	8050	Not specified
PT-VDO-040	30	500	3370	2
PT-VDO-041	53	500	3970	2
PT-VDO-042	90	500	4870	2
PT-VDO-043	250	500	9550	Not specified

Technical Information

Model	Electrical supply	Supplied shelves
PT-VDO-036	AC 220 V $\pm$ 10 V 50/60 Hz	1
PT-VDO-037	AC 220 V $\pm$ 10 V 50/60 Hz	2
PT-VDO-038	AC 220 V $\pm$ 10 V 50/60 Hz	2
PT-VDO-039	AC 380 V $\pm$ 10 V 50/60 Hz	3
PT-VDO-040	AC 220 V $\pm$ 10 V 50/60 Hz	1
PT-VDO-041	AC 220 V $\pm$ 10 V 50/60 Hz	2
PT-VDO-042	AC 220 V $\pm$ 10 V 50/60 Hz	2
PT-VDO-043	AC 380 V $\pm$ 10 V 50/60 Hz	3

Technical Information

Model	Chamber dimensions (mm)	External dimensions (mm)
PT-VDO-036	320 × 320 × 300	690 × 630 × 1270
PT-VDO-037	415 × 370 × 345	780 × 680 × 1320
PT-VDO-038	450 × 450 × 450	820 × 760 × 1420
PT-VDO-039	600 × 600 × 700	970 × 910 × 1670
PT-VDO-040	320 × 320 × 300	690 × 630 × 1270
PT-VDO-041	415 × 370 × 345	780 × 680 × 1320
PT-VDO-042	450 × 450 × 450	820 × 760 × 1420
PT-VDO-043	600 × 600 × 700	970 × 910 × 1670

Selection / Ordering Information

Specify the model, sample or application, working temperature and required shelf arrangement. Confirm electrical supply and the final configuration before ordering.