

Technical datasheet

400-500 °C Vacuum Drying Oven Series

High-temperature vacuum ovens with double-wall chamber heating, 30-250 L volumes and model-specific 400 °C or 500 °C upper settings. A vacuum pump is optional.



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

133 Pa listed vacuum level

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 is supplied. Door glazing and door-seal cooling are listed individually by model.

Optional Accessories

A vacuum pump is optional. Confirm pump capacity, connections, sample compatibility and final delivery in the quotation. 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)	Supplied shelves
PT-VDO-028	30	400	2500	1
PT-VDO-029	53	400	3200	2
PT-VDO-030	90	400	4000	2
PT-VDO-031	250	400	7500	3
PT-VDO-032	30	500	3000	1
PT-VDO-033	53	500	3600	2
PT-VDO-034	90	500	4500	2
PT-VDO-035	250	500	9000	3

Technical Information

Model	Electrical supply	Supplied shelves	Door-seal water cooling	Double-glazed door
PT-VDO-028	AC 220 V ± 10 V 50/60 Hz	1	Listed	Not specified
PT-VDO-029	AC 220 V ± 10 V 50/60 Hz	2	Listed	Not specified
PT-VDO-030	AC 220 V ± 10 V 50/60 Hz	2	Not specified	Listed
PT-VDO-031	AC 380 V ± 10 V 50/60 Hz	3	Not specified	Listed
PT-VDO-032	AC 220 V ± 10 V 50/60 Hz	1	Listed	Not specified
PT-VDO-033	AC 220 V ± 10 V 50/60 Hz	2	Not specified	Listed
PT-VDO-034	AC 220 V ± 10 V 50/60 Hz	2	Not specified	Listed
PT-VDO-035	AC 380 V ± 10 V 50/60 Hz	3	Not specified	Listed

Technical Information

Model	Chamber dimensions (mm)	External dimensions (mm)
PT-VDO-028	320 × 320 × 300	690 × 630 × 860
PT-VDO-029	415 × 370 × 345	780 × 680 × 910
PT-VDO-030	450 × 450 × 450	820 × 760 × 1010
PT-VDO-031	600 × 600 × 700	970 × 910 × 1260
PT-VDO-032	320 × 320 × 300	690 × 630 × 860
PT-VDO-033	415 × 370 × 345	780 × 680 × 910
PT-VDO-034	450 × 450 × 450	820 × 760 × 1010
PT-VDO-035	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.