

Technical datasheet

Jacket-Heated Vacuum Oven Series with Material Options

Jacket-heated vacuum ovens with 30-430 L chambers and a 250 °C upper temperature setting. Stainless steel and 316L chamber variants are listed separately by model.



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. Jacket heating and a double-glazed observation door are supplied. Chamber grade is 316L only on the model variants explicitly marked 316L.

Optional Accessories

A vacuum pump is optional. Confirm pump capacity, connections, sample compatibility and final delivery in the quotation.

Technical Information

Parameter	Value
Temperature range	Lower setting: ambient +10 °C
Temperature fluctuation	±1 °C
Ultimate vacuum	133 Pa
Timer range	0-9999 min
Upper temperature setting (°C)	250

Model	Chamber volume (L)	Input power (W)	Chamber material
PT-VDO-018	30	1000	Stainless steel (grade not stated)
PT-VDO-019	53	1400	Stainless steel (grade not stated)
PT-VDO-020	100	1800	Stainless steel (grade not stated)
PT-VDO-021	250	4200	Stainless steel (grade not stated)
PT-VDO-022	430	7200	Stainless steel (grade not stated)
PT-VDO-023	30	1000	316L stainless steel
PT-VDO-024	53	1400	316L stainless steel
PT-VDO-025	100	1800	316L stainless steel
PT-VDO-026	250	4200	316L stainless steel
PT-VDO-027	430	7200	316L stainless steel

Technical Information

Model	Electrical supply	Supplied shelves	Shelf spacing (mm)
PT-VDO-018	AC 220 V $\pm$ 10 V 50/60 Hz	1	240
PT-VDO-019	AC 220 V $\pm$ 10 V 50/60 Hz	2	125
PT-VDO-020	AC 220 V $\pm$ 10 V 50/60 Hz	2	180
PT-VDO-021	AC 220 V $\pm$ 10 V 50/60 Hz	3	200
PT-VDO-022	AC 380 V $\pm$ 10 V 50/60 Hz	4	175
PT-VDO-023	AC 220 V $\pm$ 10 V 50/60 Hz	1	240
PT-VDO-024	AC 220 V $\pm$ 10 V 50/60 Hz	2	125
PT-VDO-025	AC 220 V $\pm$ 10 V 50/60 Hz	2	180
PT-VDO-026	AC 220 V $\pm$ 10 V 50/60 Hz	3	200
PT-VDO-027	AC 380 V $\pm$ 10 V 50/60 Hz	4	175

Technical Information

Model	Chamber dimensions (mm)	External dimensions (mm)
PT-VDO-018	320 × 320 × 300	480 × 530 × 615
PT-VDO-019	415 × 370 × 345	575 × 550 × 675
PT-VDO-020	450 × 500 × 450	620 × 640 × 780
PT-VDO-021	600 × 600 × 700	770 × 780 × 1030
PT-VDO-022	630 × 810 × 845	850 × 1000 × 1240
PT-VDO-023	320 × 320 × 300	480 × 530 × 615
PT-VDO-024	415 × 370 × 345	575 × 550 × 675
PT-VDO-025	450 × 500 × 450	620 × 640 × 780
PT-VDO-026	600 × 600 × 700	770 × 780 × 1030
PT-VDO-027	630 × 810 × 845	800 × 990 × 1175

Selection / Ordering Information

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