

Technical datasheet

Vacuum-Controlled Drying Oven Series

Integrated vacuum ovens with 30-430 L stainless steel chambers, independently controlled heated shelves and a supplied cabinet-mounted vacuum pump.



Representative series configuration. Shelf count, temperature controllers and dimensions vary by model; use the specification table for the selected model.

Key features

Independent temperature control of fixed heated shelves

Supplied vacuum pump housed in the cabinet

Digital vacuum indication and control with automatic vacuum compensation.

Standard Configuration

Stainless steel chamber, non-removable heated shelves with independent temperature control, LCD temperature/timer controller, overtemperature alarm, double-glazed door, silicone door seal and cabinet-mounted vacuum pump. Shelf count and pump capacity vary by model. Digital vacuum indication and control with automatic vacuum compensation.

Optional Accessories

Confirm connection accessories, sample compatibility and the final delivery list in the quotation. Software and validation services are not specified as standard.

Technical Information

Parameter	Value
Temperature range	Ambient +10 to 250 °C
Temperature fluctuation	±1 °C
Ultimate vacuum	133 Pa
Timer range	0-9999 min
Heating method	Heated shelves

Model	Chamber volume (L)	Input power (W)	Electrical supply
PT-VDO-013	30	770	220 V ±10 V 50-60 Hz
PT-VDO-014	53	1270	220 V ±10 V 50-60 Hz
PT-VDO-015	100	1870	220 V ±10 V 50-60 Hz
PT-VDO-016	250	2950	220 V ±10 V 50-60 Hz
PT-VDO-017	430	4000	380 V ±10 V 50-60 Hz

Technical Information

Model	Chamber dimensions (mm)	External dimensions (mm)
PT-VDO-013	320 × 320 × 300	480 × 530 × 1015
PT-VDO-014	415 × 370 × 345	575 × 550 × 1060
PT-VDO-015	450 × 500 × 450	620 × 640 × 1165
PT-VDO-016	600 × 600 × 700	770 × 780 × 1515
PT-VDO-017	630 × 810 × 845	800 × 990 × 1660

Model	Supplied shelves	Shelf spacing (mm)	Pump capacity (L/s)
PT-VDO-013	1	240	2
PT-VDO-014	2	125	2
PT-VDO-015	2	180	2
PT-VDO-016	3	200	4
PT-VDO-017	4	175	6

Selection / Ordering Information

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