

Technical datasheet

250 °C Programmable Drying Oven Series

Programmable forced-air ovens for laboratory drying and thermal cycles, with 40-450 L stainless steel chambers and an observation window.



Image shows PT-OVN-017. Other models differ in dimensions.

Key features

Programmable control: 10 segments, 100 cycles
LCD controller and RS-485 interface
Stainless steel chamber and observation window

Standard Configuration

Stainless steel chamber, circulation fan, observation window, programmable LCD temperature/timer controller, overtemperature alarm and RS-485 interface. Shelf quantity and fan control differ by model.

Optional Accessories

Additional shelves and accessories require confirmation in the quotation. Software and validation services are not listed as standard.

Technical Information

Parameter	Value
Temperature range	Ambient +5 to 250 °C
Temperature resolution	0.1 °C
Temperature uniformity	±2%
Heating rate at 180 °C	>4 °C/min
Timer range	0-9999min/h
Load per shelf	15 kg

Model	Chamber volume (L)	Input power (W)	Electrical supply
PT-OVN-017	40	950	AC 220 V ±10% / 50 Hz ±2%
PT-OVN-018	77	1350	AC 220 V ±10% / 50 Hz ±2%
PT-OVN-019	142	1750	AC 220 V ±10% / 50 Hz ±2%
PT-OVN-020	234	2150	AC 220 V ±10% / 50 Hz ±2%
PT-OVN-021	450	3000	AC 380 V / 50 Hz

Technical Information

Model	Chamber dimensions (mm)	External dimensions (mm)
PT-OVN-017	350 × 330 × 350	640 × 555 × 505
PT-OVN-018	450 × 380 × 450	740 × 605 × 605
PT-OVN-019	550 × 470 × 550	840 × 695 × 705
PT-OVN-020	600 × 520 × 750	890 × 745 × 905
PT-OVN-021	595 × 585 × 1295	780 × 696 × 1760

Model	Shelves: supplied / maximum	Temperature fluctuation	Fan control
PT-OVN-017	2/4	±1 °C(105 °C)	6 speeds
PT-OVN-018	2/5	±1 °C(105 °C)	6 speeds
PT-OVN-019	3/7	±1 °C(105 °C)	6 speeds
PT-OVN-020	3/10	±1 °C(100 °C)	6 speeds
PT-OVN-021	3/6	±1 °C(100 °C)	Automatic

Selection / Ordering Information

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