

Technical datasheet

Pulse-Vacuum Laboratory Autoclave Series

Automatic laboratory steam autoclaves with 145 L or 170 L chambers, pulse vacuum, vacuum drying and a separate steam generator.



Image shows PT-AUT-025. PT-AUT-026 has a taller chamber and cabinet.

Key features

Automatic water, steam, cooling and drying sequence

Supplied sample-temperature probe and built-in printer

Touchscreen, user permissions and USB data export

Standard Configuration

SUS304 stainless steel chamber and baskets, separate steam generator, pulse-vacuum and vacuum-drying functions, automatic water feed, condenser and fan cooling, sample-temperature probe and built-in printer.

Touchscreen controller includes 40 sterilization programs and 10 melting/holding programs, USB data export and operator permissions. Electric lid opening has mechanical self-locking and electronic interlocking. Dual low-water detection and temperature/pressure protection are provided.

Optional Accessories

Water-storage system and waste-liquid collection tank are optional when site water supply or drainage is unavailable. Confirm connections, basket quantities and the final delivery list. Validation services are not stated as included.

Technical Information

Process	Temperature range	Time range
Sterilization	105-135 °C	0-120 min
Drying	60-135 °C	0-240 min
Melting	60-100 °C	0-999 min
Holding	40-60 °C	0-1440 min

Parameter	Value
Design pressure	0.38 MPa
Maximum working pressure	0.24 MPa
Electrical supply	380 V $\pm$ 38 V / 50 Hz $\pm$ 1 Hz

Technical Information

Model	Chamber volume (L)	Input power (kW)
PT-AUT-025	145	9.5
PT-AUT-026	170	9.5

Model	Chamber: diameter × height (mm)	External dimensions (mm)
PT-AUT-025	Ø500 × 720	890 × 910 × 1200
PT-AUT-026	Ø500 × 850	890 × 910 × 1245

Selection / Ordering Information

Specify model, load type, required process and site services. Confirm electrical supply, water, drainage, installation clearances and the cycle suitable for the intended load.