

Technical datasheet

Manifold and Stoppering Floor-Standing Freeze Dryer

A floor-standing freeze dryer with a combined manifold and three-tray stoppering chamber, a listed minimum temperature of -60 °C and a standard vacuum pump.



Representative main unit and selected drying head. Confirm supplied glassware and connections; the standard vacuum pump is not shown. Main-unit dimensions exclude the drying head.

Key features

Temperature/vacuum display and real-time curves

Data storage and standard USB export

Vacuum pump included; drying head specific to this model

Standard Configuration

Variable-speed refrigeration, insulated cold trap, controller displaying cold-trap temperature, sample temperature and vacuum, real-time curves, stored data, one USB interface and a vacuum pump. Drying arrangement: combined manifold and three-tray stoppering chamber.

Optional Accessories

A -85 °C minimum-temperature version is optional; confirm its refrigeration/electrical specification separately.

Standard listed minimum is -60 °C. Confirm flask/vial sizes, quantities, supplied glassware, pump connections and delivery. Temperature/vacuum limits and water-capture values require confirmation of test conditions and loaded performance.

Technical Information

Parameter	Value
Model	PT-LYO-004
Listed water capture	4 kg / 24 h
Listed minimum temperature	-60 °C
Ultimate vacuum	<1 Pa
Input power (W)	900 W
Electrical supply	AC 220 V $\pm$ 10% / 50 Hz
Ambient operating temperature	10-30 °C
Drying area	0.09 m ²
Material trays	3
Listed tray solution capacity	1200 mL
Optional minimum-temperature version	-85 °C

Parameter	Value
Cold-trap dimensions (diameter × height)	215 × 290 mm
Tray dimensions (diameter × height)	195 × 24 mm
Main unit dimensions (W × D × H)	480 × 635 × 850 mm

Selection / Ordering Information

Specify PRECETTA PT-LYO-004, sample composition, solution volume and required drying conditions. Confirm utilities, pump connections and final accessories before ordering.