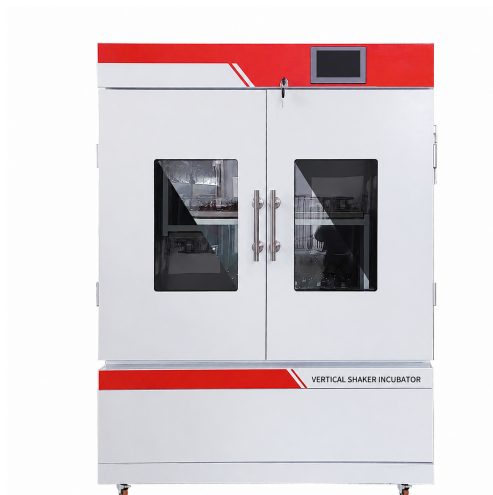


Technical datasheet

Humidity-Controlled Vertical Orbital Shaking Incubators

Orbital shaking incubators for temperature-controlled laboratory cultivation, with 30-300 rpm operation and a 7-inch touchscreen. Includes 50-90% RH control.



Representative double-door cabinet. Model-specific dimensions and holder arrangements are listed below; confirm supplied glassware.

Key features

30 program segments and 999 cycles

User permissions, event audit records and USB export

Observation light; UV and printer optional

Standard Configuration

7-inch touchscreen, forced-air circulation, 30 program segments and 999 cycles, scheduled start, user permissions, event records, historical data and USB export. Standard observation light, mechanical door lock, brushless motor with gradual start, door-open shaking stop and alarm functions. Humidity control and a large-capacity humidification water reservoir are included.

Optional Accessories

Optional: UV lamp, reciprocating motion, printer, alternative flask holders, spring holders, sticky plate, tube racks, SMS alarm module and monitoring platform. Confirm selected accessories and supplied glassware; alternative full-load arrangements are separate choices.

Technical Information

Parameter	Value
Temperature range	4-60 °C
Temperature resolution	0.1 °C
Temperature fluctuation at 37 °C	±0.3 °C
Temperature uniformity at 37 °C	±1 °C
Orbital speed	30-300 rpm
Speed accuracy	±1 rpm
Timer range	0-9999 min / h
Electrical supply	AC 220 V ±22 V / 50 Hz
Shaking platforms	Two levels in one chamber
Humidity range	50-90% RH
Humidity control precision	±3% RH

Model	Input power (W)	Orbit diameter
PT-SHK-020	2800	35 mm
PT-SHK-021	2600	26 mm

Technical Information

Model	Platform dimensions (W × D, mm)	Standard holder arrangement (mL × count)
PT-SHK-020	970 × 560	250 × 35 + 500 × 35
PT-SHK-021	755 × 480	250 × 52

Model	Chamber dimensions (mm)	External dimensions (mm)
PT-SHK-020	1100 × 665 × 830	1430 × 825 × 1740
PT-SHK-021	860 × 580 × 800	1200 × 740 × 1650

Technical Information

Model	Alternative maximum flask loads (mL × count)
PT-SHK-020	50 × 164 / 100 × 164 / 250 × 90 / 500 × 74 / 1000 × 36
PT-SHK-021	50 × 104 / 100 × 104 / 250 × 66 / 500 × 50 / 1000 × 26

Selection / Ordering Information

Specify the PRECETTA model, working temperature, speed, flask sizes and holder arrangement. Confirm accessory supply and final configuration before ordering.