

Technical datasheet

CO2 Flip-Door Stackable Shaking Incubators

Stackable refrigerated shaking incubators with independent chamber control, 4-60 °C settings at 25 °C ambient and model-specific chamber counts.



Representative three-chamber small-size stack. Select chamber size and one, two or three levels by model; the taller chamber size supports one or two levels. Holders and sample containers shown do not define the supplied configuration.

Key features

- Independent touch control per chamber
- USB data and alarm records
- Standard observation light and programmable UV

Standard Configuration

Each chamber has independent 7-inch touch control of temperature and shaking, fixed-value or 5-program/30-segment operation, start-temperature or set-temperature timing, scheduling, screen lock, historical curves, alarm records and USB export (up to 150000 records). Pull-out secured platforms, stainless steel interiors with drainage, insulated glass doors, refrigeration with adjustable defrost, observation lighting and programmable UV lamps are standard. Door-open stop, power-restoration memory and temperature/door alarms are listed. UV efficacy is not specified. CO2 versions include an infrared sensor and pressure-reducing valve; provide a compatible external CO2 supply.

Optional Accessories

Humidity control, cultivation lighting and alternative holders are optional. Observation lighting is standard and is distinct from cultivation lighting. Confirm the selected holder set, glassware or plates, electrical service and complete stack delivery. Timer limits and temperature-uniformity data require confirmation for the selected revision. A 50 mm orbit is a custom option; the standard orbit is 26 mm.

Technical Information

Parameter	Value
Temperature range at 25 °C ambient	4-60 °C
Listed temperature control precision	0.1 °C
Listed speed range	0-300 rpm
Speed accuracy	±1 rpm
Standard orbit diameter	26 mm
Program capacity	5 × 30
Electrical supply	AC 220 V ±22 V / 50 Hz
CO2 range / listed precision	0-20% / 0.1%

Model	Volume per chamber (L)	Independent chambers / levels	Power per level (W)
PT-SHK-043	238	1	1000
PT-SHK-066	238	2	1000
PT-SHK-067	238	3	1000
PT-SHK-044	340	1	1000
PT-SHK-068	340	2	1000

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Model	Platform per level (mm)	Usable height above platform (mm)
PT-SHK-043	925 × 530	372
PT-SHK-066	925 × 530	372
PT-SHK-067	925 × 530	372
PT-SHK-044	925 × 530	508
PT-SHK-068	925 × 530	508

Model	External dimensions (mm)
PT-SHK-043	1450 × 950 × 600
PT-SHK-066	1450 × 950 × 1200
PT-SHK-067	1450 × 950 × 1800
PT-SHK-044	1450 × 950 × 760
PT-SHK-068	1450 × 950 × 1520

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Model	Alternative whole-stack flask loads (mL × count)
PT-SHK-043	250 × 60 / 500 × 40 / 1000 × 28 / 2000 × 15 / 3000 × 11
PT-SHK-066	250 × 120 / 500 × 80 / 1000 × 56 / 2000 × 30 / 3000 × 22
PT-SHK-067	250 × 180 / 500 × 120 / 1000 × 84 / 2000 × 45 / 3000 × 33
PT-SHK-044	250 × 60 / 500 × 40 / 1000 × 28 / 2000 × 15 / 3000 × 11 / 5000 × 8
PT-SHK-068	250 × 120 / 500 × 80 / 1000 × 56 / 2000 × 30 / 3000 × 22 / 5000 × 16

Selection / Ordering Information

Specify the PRECETTA model, chamber count, sample vessels and operating conditions. Each load row is an alternative arrangement for the whole selected stack, not a sum of all flask sizes. Per-level power is not total stack power. Confirm utilities, accessories and final configuration.