

Technical datasheet

Multi-Tier Orbital Flask Shakers

Two- or three-tier orbital flask shakers with independent tier operation, 20-300 rpm speed and a 1029 × 718 mm platform on each tier.



Image shows the three-tier PT-SHK-053. PT-SHK-052 has two tiers and a lower frame. Pictured holder count does not define the supplied holder set.

Key features

Independently operated tiers and digital controls

Standard 26 mm orbit with optional custom 50 mm orbit

Gradual starting, parameter memory and power-restoration function

Standard Configuration

Floor-standing frame with two or three independently operated platforms, DC motor drives, three-axis transmission, 316 stainless steel platforms and digital displays. Includes parameter memory, power-restoration function, gradual acceleration and timer completion with stop and audible/visual notification. Flask-holder delivery depends on the selected configuration.

Optional Accessories

A 50 mm orbit is a custom option; it is not the standard orbit. Different or custom flask holders require confirmation. Heating, refrigeration, lighting, UV, software and audit trail are not listed as standard.

Technical Information

Parameter	Value
Orbital speed	20-300 rpm
Speed accuracy	±1 rpm
Orbit diameter	26 mm
Timer range	0-9999 min / h
Electrical supply	AC 220 V ±22 V / 50 Hz
Platform dimensions (W × D, mm)	1029 × 718

Model	Tiers	Listed power (W)
PT-SHK-052	2	300
PT-SHK-053	3	300

Technical Information

Model	External dimensions (mm)
PT-SHK-052	1250 × 780 × 900
PT-SHK-053	1250 × 780 × 1530

Parameter	Value
Alternative maximum flask loads per tier (mL × count)	250 × 88 / 500 × 60 / 1000 × 35 / 2000 × 20 / 3000 × 15 / 5000 × 12

Selection / Ordering Information

Specify the PRECETTA model, tier count, flask sizes, holder configuration, speed and timer units. Confirm electrical rating and the final delivery list before ordering.