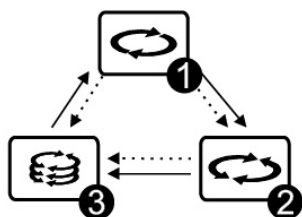


PSU-20i, Multi-functional Orbital Shaker



DESCRIPTION

Shaker **PSU-20i** provides three motion types: orbital, reciprocal and vibrating, which can be performed separately, pairwise and sequentially in repeated cycles. Shaker is designed for applications both in small specialized laboratories and in large multidisciplinary laboratories. **PSU-20i** is an ideal instrument for laboratories conducting research in biopharmaceutics and biomedicine.



Shaker PSU-20i is noiseless and reliable in operation, incorporates a direct drive system and brushless motor with a guaranteed service life up to 35,000 working hours. The use of direct drive and brushless motor allows for continuous mixing up to 7 days and ensures reliable operation for more than 2 years.

A choice of nine (9) different interchangeable platforms provides possibility of performing various procedures and techniques. Special attention should be paid to a multilevel platform, which allows accommodation of a large number of various microplates, Petri dishes, cultural bags and other low containers.

Shaker can be used in cold rooms or incubators, operating at ambient temperature range +4°C to +40°C.

Motion types	Description	Speed range	Tilting angle	Motion timer *	General operation timer (1 min stop)
Orbital	Simple orbital motion with an option of shifting direction (clockwise/anticlockwise) after set time	20-250 rpm	—	0-250 sec	1 min-96 hrs
Reciprocal	Orbital motion with shifting direction of rotation	20-250 rpm	0°-360° (30° increment)	0-250 sec	1 min-96 hrs
Vibrating	High speed, low amplitude motion	—	0°-5° (1° increment)	0-5 sec	1 min-96 hrs

* for switching to the next motion in the cycle

SPECIFICATION

Speed control range	20-250* RPM (increment 5 rpm) * max. speed depends on the load and vessels' shape
Digital speed control	+
Maximum continuous operation time	168 hrs
Orbit	20 mm
Digital time setting	1 min-96 hrs / non-stop (increment 1 min)
Maximum load	8 kg
Overall dimensions (W×D×H)	410x410x130 mm
Weight	11.7 kg
Input current/power consumption	12 V, 3.2 A / 40 W
External power supply	Input AC 100-240 V; 50/60 Hz; Output DC 12 V

CAT. NR.

	PSU-20i with external power supply unit w-out platform
BS-010145-ACI	230VAC 50/60Hz Euro plug
BS-010145-ACQ	230VAC 50/60Hz UK plug
BS-010145-AC4	230VAC 50/60Hz AU plug
BS-010145-ACJ	100VAC 50/60Hz US plug
BS-010145-ACJ	120VAC 60Hz US plug
-----	Optional accessories
BS-010135-DK	Platform P-6/1000
BS-010135-AK	Platform P-9/500
BS-010135-CK	Platform P-16/250
BS-010135-BK	Platform P-30/100



Australian distributors:
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web: www.fisherbiotec.com

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BS-010135-JK	Platform UP-168
BS-010126-MK	FC-50, clamp 50ml
BS-010126-HK	FC-100, clamp 100ml
BS-010126-JK	FC-250, clamp 250ml
BS-010126-LK	FC-500, clamp 500ml
BS-010126-İK	FC-1000, clamp 1000ml
BS-010126-NK	FC-2000, clamp 2000ml
BS-010135-KK	TR-21/50, test tube rack, 50ml
BS-010135-LK	TR-44/15, test tube rack, 15ml

BS-010145-AK	Platform UP-330
BS-010145-BK	HB-330 additional holding bar for UP-330

BS-010126-BK	Platform PP-20
BS-010126-CK	Platform PP-20-2
BS-010126-DK	Platform PP-20-3
BS-010126-EK	Platform PP-20-4

BS-010145-CK	IQ OQ document
BS-010145-DK	PQ document

ACCESSORIES



P-6/1000

Platform with 6 clamps for 1000 ml flasks (360x400 mm)



P-9/500

Platform with 9 clamps for 500 ml flasks (360x400 mm)



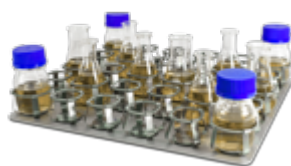
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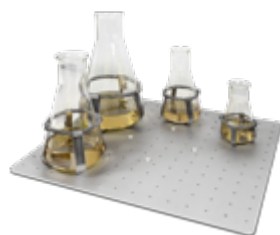
P-16/250

Platform with 16 clamps for 250 ml flasks (360x400 mm)



P-30/100

Platform with 30 clamps for 100 ml flasks (360x400 mm)



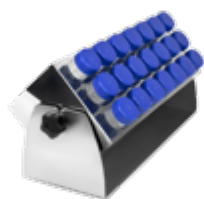
UP-168

Universal platform with clamps can accommodate flasks or bottles of different volume sizes. Clamps and racks are not included with platform and need to be ordered separately. (360x400 mm)



FC-50, FC-100, FC-250, FC-500, FC-1000, FC-2000

Clamp for
50 ml - Ø50 mm,
100 ml - Ø65 mm,
250 ml - Ø85 mm,
500 ml - Ø105 mm,
1000 ml - Ø130 mm,
2000 ml - Ø166 mm
flask (for UP-168)



TR-21/50

Adjustable angle test tube rack for up to 21 tubes 50 ml (for UP-168)



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PSU-20i, Multi-functional Orbital Shaker



TR-44/15

Adjustable angle test tube rack for up to 44 tubes 15 ml (for UP-168)



UP-330

Universal platform with adjustable bars can accommodate laboratory glassware of different shapes (345x430x105 mm)



HB-330

Additional holding bar for UP-330



PP-20 --- PP-20-4

Flat platform with non-slip rubber mat can accommodate various low profile containers (380x480x170/340/510 mm)



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