

# Вихревые смесители Orbit, Vortex

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Россия +7(495)268-04-70

Казахстан +(727)345-47-04

Беларусь +(375)257-127-884

Узбекистан +998(71)205-18-59

Киргизия +996(312)96-26-47

эл.почта: [aqd@nt-rt.ru](mailto:aqd@nt-rt.ru) || сайт: <https://labnet.nt-rt.ru/>

# Vortexer Vortex Mixer

The Vortex Mixer features a true circular orbit for even distribution of vortexing across the entire speed range. Variable speed makes the unit useful for a variety of applications from gentle mixing to resuspending pellets.

The standard head supplied with the vortexer, the CombiCup™, will accommodate a single tube or a whole handful. The head is easily removed and replaced with optional heads that accommodate tubes of a variety of sizes as well as microplates.

- ▶ An optimized counter balance enables the vortex mixer to be lightweight and stable during operation
- ▶ The powerful motor provides efficient mixing and a long service life
- ▶ Two modes allow for “touch” or continuous operation
- ▶ Safe for cold room or incubator use



## Specifications

Speed range	120V: 200 to 3,400 rpm 100V: 200 to 3,200 rpm 230V: 200 to 2,800 rpm
Operating modes	Touch or continuous
Ambient temperature	4°C to 40°C
Accuracy	± 150 rpm at maximum speed
Dimensions (W x D x H)	5.5 x 6.3 x 4.7 in. (14 x 16 x 12 cm)
Weight	4.6 lbs. (2.1 kg)

## Ordering Information

Cat. No.	Description
S0200	Vortex Mixer with CombiCup head, 120V
S0200-100V	Vortex Mixer with CombiCup head, 100V
S0200-230V-EU	Vortex Mixer with CombiCup head, 230V, EU plug
S0200-230V-UK	Vortex Mixer with CombiCup head, 230V, UK plug
S0200-230V-CH	Vortex Mixer with CombiCup head, 230V, CH plug

## Accessories

Cat. No.	Description
S0200-10	CombiCup head
S0200-20	Optional head, 3 inch, for processing larger numbers of tubes
S0200-21	Optional head for 24 x 1.5/2.0 mL tubes, 24 x 0.5 mL tubes, and 32 x 0.2 mL tubes (or 4 tube strips)
S0200-22	Optional head for 1 microplate or 64 x 0.2 mL tubes or 8 x 0.2 mL tube strips
S0200-23	Optional head for 8 x 15 mL and 8 x 12/13 mm diameter tubes
S0200-24	Optional head attachment for 6 x 50 mL tubes
S0200-25	Optional head for 12 x 1.5/2.0 mL tubes, held horizontally
S0200-26	Optional head for 4 x 15 mL tubes, held horizontally
S0200-27	Optional head for 2 x 50 mL tubes, held horizontally



# Orbit™ P4 Digital Microtube and Microplate Shaker

The Orbit P4 Digital Shakers feature variable speed across a broad range, making them useful for a variety of applications. Both time of operation and shaker speed are set digitally with a single knob with their values shown on the large 3-digit LED. A sturdy base encloses the motor for quiet, vibration-free operation. All three models can be used in temperature-controlled environments. Their compact size makes them ideal for use in the incubators.

These vortexers accept all standard microplates (for higher capacity and deep well plates, refer to Orbit 300 on the following page). Retaining springs on the contoured steel platform hold samples in place. The Orbit P4 holds four microplates



## Specifications

Speed range	120V: 100 to 1,400 rpm 230V: 100 to 1,200 rpm
Capacity	4 microplates
Maximum load	0.66 lbs. (0.3 kg)
Timer	30 sec. to 99 min. 50 sec. in 10-second steps (under 10 min. in 1-second steps) or continuous
Motion, orbit size	Circular, 3 mm
Ambient operating range	5°C to 40°C, up to 85% RH, non-condensing
Dimensions (W x D x H)	7.4 x 11.8 x 5.9 in. (18.8 x 30 x 15 cm)
Weight	9.5 lbs. (4.3 kg)

## Ordering Information

Cat. No.	Description
S2020-P4-B	Orbit P4 Digital Shaker with platform for 4 microplates, 120V
S2020-P4-B-230V	Orbit P4 Digital Shaker with platform for 4 microplates, 230V, EU and UK plug

## Accessories

Cat. No.	Description	Qty/Pk
S2020-R	Extra workstation/transfer rack	1
C1205	Individual adapters for 0.5/0.6 mL tubes	6
C1206	Individual adapters for 0.4 mL tubes	6
C1222	Individual adapters for 0.2 mL thermal cycling tubes	6

# Orbit™ 300 Multipurpose Digital Vortexer

Three interchangeable platforms (available separately) accommodate a variety of sample containers to make the Orbit 300 a truly multipurpose vortexer. The flat platform, covered with a non-slip rubber mat, holds plates, dishes, boxes, etc. The microplate platform will accommodate up to four deep well microplates. The clamp platform has spring loaded retaining bars that adjust to hold flasks, bottles, racks, and other containers in place.

Time and speed are set digitally with a single knob. Values are shown on the large, three-digit LED. The broad speed range allows the Orbit 300 to be used for gentle mixing as well as vigorous agitation.

This compact vortexer can be used in temperature controlled environments making it ideal for cold room or incubator use.

- Compact
- Chemically resistant and easy to clean plastic housing
- Temperature range 0°C to 105°C



## Specifications

Speed range	100 to 1,200 rpm
Maximum load	4.4 lbs. (2 kg)
Timer	30 sec. to 99 min. 50 sec. in 10-second steps (under 10 min. in 1-second steps) or continuous
Motion, orbit size	Circular, 3 mm
Ambient operating range	5°C to 40°C, up to 85% RH, non-condensing
Dimensions (W x D x H)	10.3 x 13.3 x 5.1 in. (26.2 x 33.7 x 13 cm)
Weight	12.35 lbs. (5.6 kg)

## Ordering Information

Cat. No.	Description
S2030-300-B	Orbit 300 Multipurpose digital Vortexer, without platform, 120V
S2030-300-B-230	Orbit 300 Multipurpose digital Vortexer, without platform, 230V, EU and UK plug

## Accessories

Cat. No.	Description	Qty/Pk
S2030-10	Platform for four microplates	1
S2030-12	Platform with non-slip rubber mat	1
S2030-13	Spring loaded platform for flasks, bottles or tube racks, etc.	1
K564	Tube rack, PP, 90 x 13 mm diameter tubes, fits in S2030-13 platform	5
K565	Tube rack, PP, 60 x 16 mm diameter tubes, fits in S2030-13 platform	5
K566	Tube rack, PP, 40 x 20 mm diameter tubes, fits in S2030-13 platform	5



Platform for four microplates (Cat. No. S2030-10)

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Казахстан +(727)345-47-04

Беларусь +(375)257-127-884

Узбекистан +998(71)205-18-59

Киргизия +996(312)96-26-47

эл.почта: [aqd@nt-rt.ru](mailto:aqd@nt-rt.ru) || сайт: <https://labnet.nt-rt.ru/>