

VORNADO™

MINIATURE VORTEX MIXER



- + Powerful vortexing for tubes up to 50ml
- + Insta-Touch™ pressure activated operation
- + “Mini” sized, less than 4 in. wide



Extremely Compact



Insta-Touch™ Pressure Activation

Powerful is the best word to describe this **mini** vortexer. With a 4mm orbit and fixed speed of 2800rpm, the Vornado instantly vortexes even the largest samples, including nearly full 50 ml tubes. Despite its powerful motor, the Vornado has a footprint of less than 4x4 inches, allowing it to fit on even the most crowded bench.

Insta-Touch operation means that the motor is automatically activated with slight pressure on the center cup head. Operation is smooth, quiet and efficient. When pressure is removed, operation immediately ceases.

The Vornado's unique head design prevents liquids from entering the housing, prolonging motor life. The unit is available with five different cup head colors.

Technical Data:

Speed:	2800 rpm
Motor Activation:	Touch
Orbit:	4mm
Operating Temp. Range:	+4°C to +65°C
Dimensions:	9.4 x 9.9 x 6.6 cm
	3.7 x 3.9 x 2.6 in.
Weight:	0.4 kg / 1 lb
Electrical:	100-240V,
	50-60 Hz, 0.7A
Warranty:	2 years



Ordering Information:

BV101*	Vornado™ Miniature Vortex Mixer, grey cup head
BV101-B*	Vornado™ Miniature Vortex Mixer, blue cup head
BV101-G*	Vornado™ Miniature Vortex Mixer, green cup head
BV101-P*	Vornado™ Miniature Vortex Mixer, purple cup head
BV101-R*	Vornado™ Miniature Vortex Mixer, red cup head

* Includes US Plug. For EU plug, please add (-E)

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Benchmark Scientific Inc.
PO Box 709 Edison, NJ 08818
Phone: 908-769-5555
Fax: 908-222-1864
Web: www.BenchmarkScientific.com
Email: Info@BenchmarkScientific.com

BenchMixer™

Benchmark Vortex Mixer



- Powerful Motor for **INSTANT** Vortexing
- Q-Drive™ Dynamic Balance System
- Touch or Continuous Operation
- Variable Speed Control from 200 to 3200rpm



BV1000-FLAT



BV1000-COMBO

Technical Data

Speed Range:	200 to 3200 rpm
Operating Modes:	Touch or continuous
Operating Temp. Range:	+4 C to +65 C
Dimensions:	13 x 16 x 17 cm 5 x 6.3 x 6.7 in.
Weight:	3.8 kg / 8.4 lb
Electrical:	115V AC, 60 Hz, 1.5A 230V AC, 50 Hz, 0.75A
Warranty:	2 years

The BenchMixer™ sets the new standard in vortex mixing. With advanced Q-Drive™ technology, the BenchMixer™ provides smooth instant vortexing of even the largest sample sizes, including full 50ml tubes. The unique counter balance system creates maximum vortexing action, while minimizing noise and excessive vibration. This results in quieter, more efficient and longer lasting operation.

Other features include: “no-walk” suction feet, cold room/incubator compatibility and spill-proof electronic controls.

Ordering Information

BV1000* **BenchMixer Vortex Mixer**

BV1000-FLAT Optional 3 inch flat head

BV1000-COMBO Optional combination head for tubes and microplates. Holds 66 tubes (38 x 1.5ml and 28 x 0.5ml) or one microplate

* To order a product in 230V, please add -230 to item number.

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PO Box 709
Edison, NJ 08817
Phone: 908-769-5555
Fax: 908-222-1864

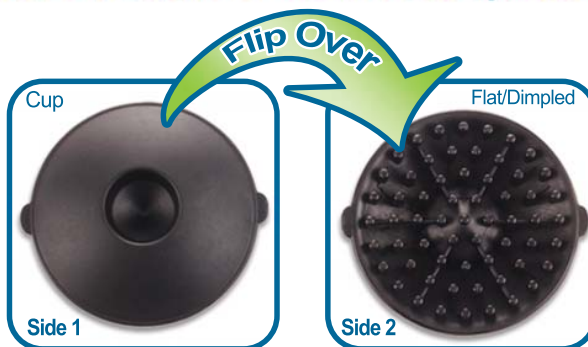
Web: www.BenchmarkScientific.com
Email: Info@BenchmarkScientific.com

BenchMixer™ V2

- + **Reversible Top:**
Use "Cup" or "Flat/Dimpled" surface
- + **Powerful Motor for INSTANT Vortexing**
- + **Q-Drive™ Dynamic Balance System**
- + **Variable speed with touch or continuous operation**



Reversible Top



Rubber top can easily be removed/attached to provide the preferred mixing surface

The BenchMixer™ V2 utilizes a smooth and powerful mixing technology similar to the original BenchMixer, with the advantage of a uniquely designed reversible rubber head that can be attached to the mixer in two orientations. For the vortexing of single tubes, the cupped surface would generally be preferred. However, for applications requiring a flat/dimpled surface for mixing uniquely shaped vessels (or a handful of multiple test-tubes), the head can easily be flipped over and reattached in reverse orientation.

Like the original BenchMixer, the drive system is balanced with Q-Drive™ technology, providing a smooth vortexing action, while minimizing noise and excessive vibration. This results in quieter, more efficient and longer lasting operation. With a maximum speed up to 3,200 rpm, the mixer provides an instant vortex of even the largest sample sizes, including full 50ml tubes.

Technical Data:

Speed Range:	200 to 3200 rpm
Operating Modes:	Touch or continuous
Operating Temp. Range:	+4°C to +65°C
Dimensions:	13 x 16 x 17 cm / 5 x 6.3 x 6.7 in.
Weight:	3.8 kg / 8.4 lb
Electrical:	115V AC, 60 Hz, 1.5A 230V AC, 50 Hz, 0.75A
Warranty:	2 years

Optional Accessories:



Ordering Information:

BV1003* *BenchMixer™ V2 Vortex Mixer*
(with Reversible Top)

Optional Accessories:

BV1000-COMBO	Optional head for tubes and microplate. 66 tubes (38 x 1.5ml and 28 x 0.5ml) or 1 microplate
BV1003-T150	Optional head for 12 x 15ml
BV1003-T500	Optional head for 6 x 50ml
BV1000-H15	Optional head for 12 x 1.5/2.0ml, horizontal
BV1000-H150	Optional head for 4 x 15ml, horizontal
BV1000-H500	Optional head for 2 x 50ml, horizontal

* To order a product in 230V / 50Hz, please add -E to item number.

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PO Box 709 Edison, NJ 08818
Phone: 908-769-5555
Fax: 732-313-7007
Web: www.BenchmarkScientific.com
Email: Info@BenchmarkScientific.com

MORTEXER™

MORE Power, MORE Flexibility... MORE Vortexer!



- The only vortexer available with Multi-Head™
- Powerful Motor for INSTANT Vortexing
- Q-Drive™ Dynamic Balance System
- Touch or continuous operation



Unique Multi-Head allows for standard vortexing PLUS holds up to 8 microtubes

The *Mortexer™* is MORE than your standard vortex mixer. The unique design of the Multi-Head™ (included) features a traditional cup head for general purpose mixing, plus holds up to eight microcentrifuge tubes.

The drive system is balanced with Q-Drive™ technology, providing a smooth vortexing action, while minimizing noise and excessive vibration. This results in quieter, more efficient and longer lasting operation. Increased speed, up to 3400 rpm produces an instant vortex of even the largest sample sizes, including full 50ml tubes.

Other features include: “no-walk” suction feet, cold room/incubator compatibility and spill-proof electronic controls. Two year warranty.

Technical Data:

Speed Range:	200 to 3400 rpm
Operating Modes:	Touch or continuous
Operating Temp. Range:	+4°C to +65°C
Dimensions:	13 x 16 x 17 cm 5 x 6.3 x 6.7 in.
Weight:	3.8 kg / 8.4 lb
Electrical:	115V AC, 60 Hz, 1.5A 230V AC, 50 Hz, 0.75A 230V AC, 60 Hz, 0.75A
Warranty:	2 years



Ordering Information:

BV1005* *Mortexer™* Vortex Mixer (with Multi-Head)

Optional Accessories:

BV1000-FLAT	Optional 3 inch flat head
BV1000-COMBO	Optional head for tubes and microplate. 66 tubes (38 x 1.5ml and 28 x 0.5ml) or 1 microplate
BV1000-H15	Optional head for 12 x 1.5/2.0ml, horizontal
BV1000-H150	Optional head for 4 x 15ml, horizontal
BV1000-H500	Optional head for 2 x 50ml, horizontal

* To order a product in 230V / 50Hz, please add -E to item number.
To order a product in 230V / 60Hz, please add -E2 to item number.

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Phone: 908-769-5555
Fax: 908-222-1864
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Email: Info@BenchmarkScientific.com

BENCHMIXER™ XL

MULTI-TUBE VORTEXER



- + Hands-free, high capacity vortexing
- + Up to 2500rpm, a true vortex in every tube
- + Wide assortment of accessories for a variety of tubes, flasks and plates
- + Pulsing program for interval mixing
- + Fits almost any tube rack

The BenchMixer™ XL is a heavy duty vortex mixer designed to facilitate hands-free mixing in tubes, flasks, vials or cylinders. It is ideal for the QuEChERS pesticide analysis method and is instantly adaptable to an exceptionally broad range of vessels, racks and applications (horizontal or vertical). The precisely balanced drive system includes an oversized motor that delivers accurate, reproducible speeds up to 2500rpm with rattle-free operation and minimal vibration. The programmable pulsing function allows for time specific interval mixing, increasing agitation.

The 7x12 inch platform accommodates a wide variety of standard, pre-drilled tube racks (a complete listing can be found in the ordering information section below). Additionally, BenchMixer XL can easily be adapted to almost any type of vessel commonly found in the laboratory (contact us for details).

Using BenchMixer XL is easy; after loading the sample rack and tightening the locking knobs, select the desired speed and run time on the large digital control panel. Then, simply press "Start" and the BenchMixer XL will perform unattended mixing for up to 100 hours.

BenchMixer XL's large capacity and adaptability make it an ideal choice for the medium to high throughput laboratory.

Technical Data:

Speed Range:	500 to 2500 rpm
Max. Capacity:	6 x 250ml
Orbit:	3.6mm
Timer:	1min. to 99 hr 59 min.
Platform Dimensions:	12 x 7 in. / 30 x 17.8cm
Exterior Dimensions:	15 x 9.2 x 16.5 in.
(w x d x h)	38.5 x 23.5 x 42 cm
Operating Temp. Range:	+4°C to +65°C
Weight:	13 kg / 29 lb
Electrical:	100 to 240V 50-60Hz
Warranty:	2 years



50 x 1.5/2.0ml

15 x 50ml

50 x 5, 7, or 10ml



3 x Microplates/96 Well Tube Racks



9 x 50ml Horizontal QuEChERS Method

Ordering Information:

BV1010*	BenchMixer™ XL Multi-Tube Vortexer, 115V Includes, 50 x 12mm tube rack
BV1010-05	Tube Rack, 96 x 0.5ml (Ø8mm)
BV1010-1520	Tube Rack, 50 x 1.5/2.0ml (Ø10mm)
BV1010-12	Tube Rack, 50 x 12mm (included)
BV1010-13	Tube Rack, 50 x 13mm
BV1010-150	Tube Rack, 50 x 15ml (Ø16.5mm)
BV1010-500	Tube Rack, 15 x 50ml (Ø29mm)
BV1010-25	Tube Rack, 15 x 25mm
BV1010-50H	Tube Rack, 9 x 50ml Horizontal (QuEChERS)
BV1010-MP	Rack for up to 3 plates or 96 well microtube racks
BV1010-MP02	Carrier for above, 96 x 0.2ml tubes or strips (3pk.)

* Includes US plug. For EU plug, please add -E to item number.

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Benchmark Scientific Inc.
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 Fax: 908-222-1864
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 Email: Info@BenchmarkScientific.com