

Vortex Mixers



Fixed Speed, Analog, Digital, Pulsing, Heavy-Duty,
Microplate Vortex Mixers & Multi-Tube Vortexers



Fisher Scientific Vortex Mixers



- >> Touch mode operation
- >> Fixed high speed mixing

Fixed Speed Vortex Mixer - Specifications and Ordering Information

Speed range: 120V:	3200 rpm
Orbit:	4.9mm
Controls:	None
Overall dimensions (L x W x H):	4.8 x 6.8 x 4.8" (12.2 x 17.3 x 12.2cm)
Electrical (50/60 Hz):	120 volts, 1.2 amps, 150 watts
Ship Weight:	11.7 lbs (5.3 kg)

Description

Fixed Speed Vortex Mixer, 120V

Part

02-215-360

Price

\$283.00

Fisher Scientific Fixed Speed Vortex Mixers

The Fisher Scientific Fixed Speed Vortex Mixers are one touch units that are designed for high speed mixing. Starts mixing when the head is pressed down. Speed is fixed at full rpm to provide vigorous vortexing of samples.

Fixed speed vortex mixer includes both cup head and three-inch head with cover.



- >> Continuous or touch modes
- >> Variable speed control

Analog Vortex Mixer - Specifications and Ordering Information

Speed range: 120V:	300 to 3200 rpm*
Orbit:	4.9mm
Controls:	3-way power switch speed knob: variable 1 to 10 dial marks
Overall dimensions (L x W x H):	4.8 x 6.8 x 4.8" (12.2 x 17.3 x 12.2cm)
Electrical (50/60 Hz):	120 volts, 1.2 amps, 150 watts
Ship Weight:	11.7 lbs (5.3 kg)

Description

Analog Vortex Mixer, 120V

Part

02-215-365

Price

\$335.00

Fisher Scientific Analog Vortex Mixers

The Fisher Scientific Analog Vortex Mixers have a variable speed, analog control that allows low rpm start-up for gentle shaking or high speed mixing for vigorous vortexing of samples. Choose from two modes of operation; continuous mode when using accessory attachments or touch mode which activates mixing when depressing the cup head.

Analog vortex mixer includes both cup head and three-inch head with cover.

*Maximum speed will vary depending on accessory used.

Fisher Scientific Vortex Mixers



- >> Continuous or touch modes
- >> Microprocessor controls
- >> LED display for speed and time

*Maximum speed will vary depending on accessory used.

Digital Vortex Mixer - Specifications and Ordering Information

Speed range: 120V:	500 to 3000 rpm*
Orbit:	4.9mm
Controls:	3-way power switch, LED display for time/speed, up/down keys for set-point control
Overall dimensions (L x W x H):	4.8 x 6.8 x 4.8" (12.2 x 17.3 x 12.2cm)
Electrical (50/60 Hz):	120 volts, 1.2 amps, 150 watts
Ship Weight:	11.7 lbs (5.3 kg)

Description	Part #	Price
Digital Vortex Mixer, 120V	02-215-370	\$415.00

Fisher Scientific Digital Vortex Mixers

The Fisher Scientific Digital Vortex Mixers are ideal for applications that demand repeatable results. Mixers feature touch pad controls and LED displays for accurate speed (rpm) and time (minutes/seconds) results. Micro-processor feedback control maintains set speed for strong, consistent mixing action. Timer will display elapsed

time or when programmed to user defined time limit, the unit will shut off when the time reaches zero. Choose from two modes of operation; continuous mode when using accessory attachments or touch mode which activates mixing when depressing the cup head. Digital vortex mixer includes both cup head and three-inch head with cover.



- >> Glass bead cell disruption/homogenization
- >> Continuous or touch modes
- >> LED display for speed and time
- >> Microprocessor controls

*Maximum speed will vary depending on accessory used.

Pulsing Vortex Mixer - Specifications and Ordering Information

Speed range: 120V:	500 to 3000 rpm*
Orbit:	2.5mm
Controls:	3-way power switch, LED display for time/speed up/down keys for set-point control, pulsing key
Overall dimensions (L x W x H):	4.8 x 6.8 x 4.8" (12.2 x 17.3 x 12.2cm)
Electrical (50/60 Hz):	120 volts, 1.2 amps, 150 watts
Ship Weight:	11.7 lbs (5.3 kg)

Description	Part #	Price
Pulsing Vortex Mixer, 120V	02-215-375	\$537.00

Fisher Scientific Pulsing Vortex Mixers

The Fisher Scientific Pulsing Vortex Mixers produce excellent cell disruption for glass bead disruption procedures. The Pulsing Vortex Mixer is capable of complete cell disruption of samples in only minutes. Unique pulsing action reduces heat generation while providing more effective mixing and disruption. System includes an easy-to-load holder for (12) 1.5ml or 2.0ml micro centrifuge tubes.

Micro-tube holder has a built-in cup head which allows mixer to be used as a standard vortex mixer in touch mode. Micro-processor feedback control maintains set speed for strong, consistent mixing action. LED displays for both speed (rpm) and time (minutes/seconds) which provides better repeatability and accuracy. Displayed time counts up during continuous operation and counts down during timed runs.

Fisher Scientific Vortex Mixer Accessories



Single Tube Holder

Mounts to the top of vortex mixers for single tube, hands free mixing. Easily attaches to the top of any vortex mixer without the use of tools. Patent Pending.

Description	Part #	Price
Single Tube Holder	02-215-404	\$129.00
Adapter for Vortex-Genie® mixer*	02-215-405	\$67.00
.5ml Micro-Tube Holder**	02-215-402	\$55.00
1.5ml - 2.0ml Tube Holder**	02-215-403	\$55.00

* The Vortex-Genie® mixer is a registered trademark of Scientific Industries, Inc.

** For use with Single Tube Holder

Accessory Kits



Tube Holder Kit with Retainer

Includes: (1) 9-13mm Tube Holder
(1) 14-19mm Tube Holder
(1) 20-25mm Tube Holder
(1) Flat Foam Insert
(2) Vessel Harnesses
(1) Insert Retainer

Description	Part #	Price
Tube Holder Kit with Retainer	02-215-388	\$151.00



Micro-Tube and Micro-Well Plate Holder Kit with Retainer

Includes: (1) Micro-Tube Holder
(1) Micro-Well Plate Holder
(1) Insert Retainer

Description	Part #	Price
Micro-Tube and Micro-Well Plate Holder Kit with Retainer	02-215-384	\$88.00

Replacement Parts

Description	Part #	Price
Insert Retainer	02-215-391	\$99.00
Vessel Harness (2 pk)	02-215-392	\$6.00
9-13mm Tube Holder (2 pk)	02-215-393	\$23.00
14-19mm Tube Holder (2 pk)	02-215-394	\$23.00
20-25mm Tube Holder (2 pk)	02-215-395	\$23.00
Micro-Tube Holder (2 pk)	02-215-386	\$50.00
Micro-Well Plate Holder (2 pk)	02-215-387	\$50.00
Flat Foam Insert (2 pk)	02-215-397	\$22.00
Cup Head	02-215-380	\$28.00
3" Head (7.6cm)	02-215-382	\$28.00
3" Rubber Head with Cover (7.6cm)	02-215-383	\$28.00
1.5ml-2.0ml Micro-Tube Holder, Stainless Steel	02-215-400	\$207.00

Accessories



Micro-Tube Holder

Mixes (48) 0.25 to 2ml micro centrifuge tubes.
Requires Insert Retainer.

Description	Part #	Price
Micro-Tube Holder (2 pk)	02-215-386	\$50.00
Insert Retainer	02-215-391	\$99.00



Micro-Well Plate Holder

Ideal for mixing 96 well plates or deep well blocks.
Requires Insert Retainer.

Description	Part #	Price
Micro-Well Plate Holder (2 pk)	02-215-387	\$50.00
Insert Retainer	02-215-391	\$99.00



20-25mm Tube Holder

Ideal for mixing up to (8) 50ml centrifuge tubes.
Requires Insert Retainer.

Description	Part #	Price
Tube Holder (2 pk)	02-215-395	\$23.00
Insert Retainer	02-215-391	\$99.00



14-19mm Tube Holder

Idea for mixing up to (8) 15ml centrifuge tubes.
Requires Insert Retainer.

Description	Part #	Price
Tube Holder (2 pk)	02-215-394	\$23.00
Insert Retainer	02-215-391	\$99.00



9-13mm Tube Holder

Ideal for mixing 5ml culture tubes and micro-vials.
Requires Insert Retainer.

Description	Part #	Price
Tube Holder (2 pk)	02-215-393	\$23.00
Insert Retainer	02-215-391	\$99.00



Vessel Harness

Mixes Erlenmeyer flasks and media bottles.
Requires Insert Retainer.

Description	Part #	Price
Vessel Harness (2 pk)	02-215-392	\$6.00
Insert Retainer	02-215-391	\$99.00



Ampule Tube Holder

Mixes storage vials and test tubes.

Description	Part #	Price
Ampule holder (15-17mm)	02-215-398	\$95.00
Ampule holder (10-17mm)	02-215-399	\$134.00

NOTE: Fisher Scientific vortex mixer accessories are interchangeable with other manufacturers' models. Call Fisher Scientific for assistance.

Fisher Scientific Vortex Mixers



- >> Designed for shaking microplates or tubes
- >> Designed for continuous duty

Standard Microplate Vortex Mixer - Specifications and Ordering Information

Speed range:	On Mode:	300 to 2500 rpm
	Touch Mode:	300 to 3500 rpm
Orbit:		3.5mm
Controls:		3-way power switch speed knob: variable 1 to 10 dial marks
Overall dimensions (L x W x H):		10.5 x 5.4 x 4.5" (26.7 x 13.7 x 11.4cm)
Electrical (50/60 Hz):		120 volts, 0.25 amps, 30 watts
Ship Weight:		12 lbs (5.4 kg)

Description

Standard Microplate Vortex Mixer, 120V

Part

02-216-100

Price

\$316.00

Fisher Scientific Standard Microplate Vortex Mixers

The Fisher Scientific Standard Microplate Vortex Mixer is a variable speed analog mixer that is designed for continuous duty. The high speed and small orbit is optimal for effectively mixing microplates. Choose from two modes of operation: "Touch" mode for mixing tubes when cup head is depressed, or "On" mode when using the microplate

attachment for continuous operation. Mixer includes a cup head and single microplate holder.



- >> Designed for shaking microplates or tubes
- >> Designed for continuous duty
- >> LED displays for speed and time

Advanced Microplate Vortex Mixer - Specifications and Ordering Information

Speed range:	On Mode:	300 to 2500 rpm
	Touch Mode:	300 to 3500 rpm
Orbit:		3.5mm
Controls:		3-way power switch, LED display for time/speed up/down keys for set-point control
Overall dimensions (L x W x H):		10.5 x 5.4 x 4.5" (26.7 x 13.7 x 11.4cm)
Electrical (50/60 Hz):		120 volts, 0.25 amps, 30 watts
Ship Weight:		12 lbs (5.4 kg)

Description

Advanced Microplate Vortex Mixer, 120V

Part

02-216-101

Price

\$366.00

Fisher Scientific Advanced Microplate Vortex Mixers

The Fisher Scientific Advanced Microplate Vortex Mixer is ideal for applications that demand repeatable results. Mixer features touchpad controls and LED displays for accurate speed (rpm) and time (minutes and seconds) results. Microprocessor control maintains set speed for strong, consistent mixing action. Timer will display elapsed time or when programmed to a user defined

time limit, the unit will shut off when timer reaches zero. Choose from two modes of operation; "On" mode when using accessory attachments, or "Touch" mode which activates mixing when depressing the cup head. Mixer includes a cup head and single microplate holder.



Fisher Scientific Vortex Mixers



- >> Designed for continuous duty
- >> Variable speed

Standard Heavy-Duty Vortex Mixer - Specifications and Ordering Information

Speed range:	On Mode:	300 to 2500 rpm
	Touch Mode:	300 to 3500 rpm
Orbit:		4.9mm
Controls:		3-way power switch speed knob: variable 1 to 10 dial marks
Weight Capacity:		2.5 lbs (1.1 kg)
Overall dimensions (L x W x H):		9.5 x 6.6 x 6.3" (24.1 x 16.8 x 16cm)
Electrical (50/60 Hz):		120 volts, 0.25 amps, 30 watts
Ship Weight:		15 lbs (6.8 kg)

Description

Standard Heavy-Duty Vortex Mixer, 120V

Part

02-216-108

Price

\$727.00

Fisher Scientific Standard Heavy-Duty Vortex Mixers

The Fisher Scientific Standard Heavy-Duty Vortex Mixer is a variable speed analog mixer that is designed for continuous duty. The heavy-duty design and efficient motor allow this mixer to operate in continuous duty and handle all accessories over the entire speed range. Choose from two modes of operation: "Touch" mode for

mixing tubes when cup head or Universal Holder with cover is depressed, or "On" mode when using any of the accessory attachments for continuous operation. Mixer includes a cup head, Universal Holder with cover, and foam micro-tube insert for (38) 1.5 to 2.0 ml micro-tubes.

Advanced Heavy-Duty Vortex Mixer - Specifications and Ordering Information

Speed range:	On Mode:	300 to 2500 rpm
	Touch Mode:	300 to 3500 rpm
Orbit:		4.9mm
Controls:		3-way power switch, LED display for time/speed up/down keys for set-point control
Weight Capacity:		2.5 lbs (1.1 kg)
Overall dimensions (L x W x H):		9.5 x 6.6 x 6.3" (24.1 x 16.8 x 16cm)
Electrical (50/60 Hz):		120 volts, 0.25 amps, 30 watts
Ship Weight:		15 lbs (6.8 kg)

Description

Advanced Heavy-Duty Vortex Mixer, 120V

Part

02-216-109

Price

\$831.00

Fisher Scientific Advanced Heavy-Duty Vortex Mixers

The Fisher Scientific Advanced Heavy-Duty Vortex Mixer is ideal for applications that demand repeatable results. Mixer features touchpad controls and LED displays for accurate speed (rpm) and time (minutes and seconds) results. The heavy-duty design and efficient motor allow this mixer to operate in continuous duty and handle all accessories over the entire speed range. Choose from two modes of operation: "Touch" mode for mixing tubes when cup head or Universal Holder

with cover is depressed, or "On" mode, when using any of the accessory attachments for continuous operation. Microprocessor control maintains set speed for strong, consistent mixing action. Timer will display elapsed time or when programmed to user defined time limits, the unit will shut off when time reaches zero. Mixer includes a cup head, Universal Holder with cover, and foam micro-tube insert for (38) 1.5 to 2.0 ml micro-tubes.

- >> Designed for continuous duty
- >> LED displays for speed and time



Shown with optional four plate holder 02-216-121 and stackable four plate holder 02-216-122

Fisher Scientific Vortex Mixer Accessories



Foam Insert for 0.5ml micro-tubes

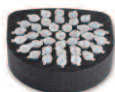
Foam insert holds (52) 0.5ml micro-tubes. Requires Universal Holder.



Description	Part #	Price
Micro-Tube Holder	02-216-123	\$29.00
Universal Holder	02-216-118	\$45.00

Foam Insert for 1.5 to 2.0ml micro-tubes

Foam insert holds (38) 1.5 to 2.0ml micro-tubes. Requires Universal Holder.



Description	Part #	Price
1.5 to 2.0ml micro-tubes	02-216-124	\$29.00
Universal Holder	02-216-118	\$45.00

Foam Insert for 12-13mm test tubes

Foam insert holds (34) 12-13mm diameter test tubes. Requires Universal Holder.



Description	Part #	Price
12-13mm diameter test tubes	02-216-125	\$29.00
Universal Holder	02-216-118	\$45.00

Foam Insert for 15-18mm test tubes

Foam insert holds (20) 15-18mm diameter test tubes. Ideal for 15ml centrifuge tubes. Requires Universal Holder.



Description	Part #	Price
15-18mm test tubes	02-216-126	\$29.00
Universal Holder	02-216-118	\$45.00

Foam Insert for 19-21mm test tubes

Foam insert holds (18) 19-21mm diameter test tubes. Requires Universal Holder.



Description	Part #	Price
19-21mm test tubes	02-216-127	\$29.00
Universal Holder	02-216-118	\$45.00

Foam Insert for 22-25mm test tubes

Foam insert holds (13) 22-25mm diameter test tubes. Requires Universal Holder.



Description	Part #	Price
22-25mm test tubes	02-216-128	\$29.00
Universal Holder	02-216-118	\$45.00

Foam Insert for 26-29mm test tubes

Foam insert holds (4) 26-29mm diameter test tubes. Ideal for 50ml centrifuge tubes. Requires Universal Holder.



Description	Part #	Price
26-29mm test tubes	02-216-129	\$29.00
Universal Holder	02-216-118	\$45.00

Flat Foam Insert

Ideal for custom applications. Can be cut or drilled to fit your specifications. Requires Universal Holder.



Description	Part #	Price
Flat Foam Insert	02-216-133	\$29.00
Universal Holder	02-216-118	\$45.00

Vessel Holders

Small Vessel Holder secures 125 and 250ml Erlenmeyer flasks. Large Vessel Holder secures 500 and 1000mL Erlenmeyer flasks. Vessel holders also include a grip mat. Requires Universal Holder.



Description	Part #	Price
Small Vessel Holder	02-216-130	\$36.00
Large Vessel Holder	02-216-131	\$36.00
Universal Holder	02-216-118	\$45.00

Microplate Holder (single)

Designed to hold one microplate



Description	Part #	Price
Microplate Holder (single)	02-216-117	\$43.00

Microplate Holder (double)

Designed to hold two standard microplates.



Description	Part #	Price
Microplate Holder (double)	02-216-120	\$49.00

Microplate Holder (quad)

Designed to hold four standard microplates



Description	Part #	Price
Microplate Holder (quad)	02-216-121	\$100.00

Stackable Microplate Holder Four

Designed to maximize the capacity of the Heavy-Duty Vortex Mixer to eight microplates by stacking the tray on top of the four plate holder.



Description	Part #	Price
Stackable Microplate Holder	02-216-122	\$93.00

Cup Head

Designed for mixing 1 tube at a time.



Description	Part #	Price
Cup Head	02-216-116	\$28.00

Single Tube Holder

Single tube hands free mixing designed to fit on the Fisher Heavy-Duty Vortex Mixer. Easily attached to the top of mixer and is magnetically secured. Accepts tubes from 2.5 to 4.5" (6.4-11.4cm). Minimum tube diameter is 0.75" (19mm)



Description	Part #	Price
Single Tube Holder	02-216-132	\$122.00

Universal Holder & Cover

Replacement for items supplied with Heavy-Duty Vortex Mixer. Universal Holder Cover allows for mixing irregularly shaped objects.



Description	Part #	Price
Universal Holder	02-216-118	\$45.00
Universal Holder Cover	02-216-119	\$15.00

Fisher Scientific Multi-Tube Vortexers



Specifications and Ordering Information

Speed range:	Analog: 1200 to 2400 rpm Digital: 500 to 2500 rpm
Timer:	Analog: 0 to 60 seconds Digital: 1 second to 160 hours
Orbit:	3.6mm
Weight Capacity:	10 lbs (4.5 kg)
Tray dimensions (L x W):	7.25 x 12.25" (18.4 x 31.1cm)
Overall dimensions (L x W x H):	9.5 x 15.1 x 16" (24.1 x 38.4 x 40.6cm)
Electrical (50/60 Hz):	120 volts, 5 amps, 75 watts 230 volts, 1 amps, 75 watts
Ship weight:	42 lbs (19 kg)

Description

Analog Multi-Tube Vortexer, 120V
Digital Multi-Tube Vortexer, 120V

Part #	Price
02-215-450	\$2,249.00
02-215-452	\$3,331.00

Description

10mm Test Tube Rack
12mm Test Tube Rack
13mm Test Tube Rack
16mm Test Tube Rack (for 15ml centrifuge tubes)
25mm Test tube rack
29mm Test Tube Rack (for 50ml centrifuge tubes)
Replacement Tray Pad Set (top & lower pad)
Post Extension Kit

Tube Capacity	Color	Part #	Price
50	gray	02-215-454	\$26.00
50	blue	02-215-455	\$25.00
50	yellow	02-215-456	\$25.00
50	green	02-215-457	\$34.00
28	white	02-215-458	\$34.00
15	red	02-215-459	\$34.00
N/A	gray	02-215-460	\$37.00
N/A	N/A	02-215-461	\$138.00

- >> Mixes up to 50 samples at one time
- >> Powerful permanent motor rated for continuous duty

The vortexing action is created by holding the top tray of the vessel securely in place by two stainless steel posts (providing quiet, rattle-free mixing) while the bottom tray moves freely in a defined 3.6mm eccentric orbit. The top plate is easily adjustable by loosening knobs and lifting plate up or down and can also be swung away from the tray for easy removal of samples. Suction-cup feet dampen motion and prevent sliding on work surfaces. Base is constructed of rugged stainless steel with corrosion-resistant paint.

All units are supplied with one foam rack for 12mm test tubes, a 92" (234cm) detachable, three-wire cord and plug (230v units are supplied with Euro type plug), and a tray pad set for support. Additional color-coded foam racks for different tube sizes, as well as a post extension kit that adds 6" (15.2cm) to the post to accommodate tubes up to 10" (25.4cm), are sold separately. Two Year Limited Warranty on units.

Fisher Scientific Analog Multi-Tube Vortexer

Conventionally angled front panel features rocker switch for run, time, and standby modes, along with knobs for speed and time.

Microprocessor control - variable speed microprocessor control provides consistent uniform mixing action.

Electronic speed control - adjustable from 1200 to 2400 rpm.

Automatic timer - adjustable from 0 to 60 seconds for simple repeat procedures.

Fisher Scientific Digital Multi-Tube Vortexer

Ideal for applications requiring accuracy and repeatability.

Microprocessor control - variable speed microprocessor control provides consistent uniform mixing action.

Easy-to-read LED displays - for speed and time. Speed range is 500 to 2500 rpm and can be set in 25 rpm increments by pressing the up or down arrows.

Programmable timer - can be programmed to run 1 second to 160 hours or set to run in continuous mode.

Pulsing program - can be operated in either timed or continuous modes. In timed mode, unit stops and starts in predetermined increments from 1 to 59 seconds.

PowerGen High Throughput Homogenizers

- >> Ability to process small quantities
- >> Eliminates cross contamination
- >> Rapid sample processing

Specifications and Ordering Information

Speed range:	0 - 1600 rpm
Controls:	Knobs for speed and time
Electrical (50/60 Hz):	120 volts, 6.3 amps, 450 watts
Overall dimensions (L x W x H):	17.5 x 15 x 14.2" (44.5 x 38.1 x 36.1 cm)
Ship Weight:	75 lbs (34.1 kg)

Description	Part #	Price
High Throughput Homogenizer, 120V	02-215-503	\$6,990.00



PowerGen Cryogenic Homogenizing System

- >> Handheld homogenizer with mortars and pestles
- >> Increases sample throughput
- >> System helps preserve sample integrity

Specifications and Ordering Information

Speed range:	200 rpm
Sample Size:	< 500mg (100mg optimal)
Overall dimensions (W x D x H):	
Homogenizer	2" x 1.5" x 9.5"
CryoCooler	13.5" x 9.5" x 10"
Tray	5.5" x 5" x 1.2"
Ship Weight:	11 lbs (5.0 kg)

Description	Part #	Price
Cryogenic Homogenizing System, 120V	02-215-500	\$1,082.00
Tray with six replacement mortars and pestles	02-215-502	\$564.00
Pestles, set of 6 (replacement)	02-215-501	\$223.00



Units include motor unit, tray with six mortar and pestles, Cryogenic Cooler with sample reservoir with mesh cover, adsorbent material. Two year limited warranty.

Vortex Mixers

Fixed Speed, Analog, Digital, Pulsing, Heavy-Duty,
Microplate Vortex Mixers & Multi-Tube Vortexers



For customer service, call 1-800-766-7000.
To fax an order, use 1-800-926-1166.
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