

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

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

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

Digital Vortex Mixer, 120V

Part

02-215-370

Price

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

Pulsing Vortex Mixer, 120V

Part

02-215-375

Price

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 | |
| Adapter for Vortex-Genie® mixer* | 02-215-405 | |
| .5ml Micro-Tube Holder** | 02-215-402 | |
| 1.5ml - 2.0ml Tube Holder** | 02-215-403 | |

* 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 | |



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 | |

Replacement Parts

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

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 | |
| Insert Retainer | 02-215-391 | |



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 | |
| Insert Retainer | 02-215-391 | |



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 | |
| Insert Retainer | 02-215-391 | |



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 | |
| Insert Retainer | 02-215-391 | |



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 | |
| Insert Retainer | 02-215-391 | |



Vessel Harness

Mixes Erlenmeyer flasks and media bottles. Requires Insert Retainer.

| Description | Part # | Price |
|-----------------------|------------|-------|
| Vessel Harness (2 pk) | 02-215-392 | |
| Insert Retainer | 02-215-391 | |



Ampule Tube Holder

Mixes storage vials and test tubes.

| Description | Part # | Price |
|-------------------------|------------|-------|
| Ampule holder (15-17mm) | 02-215-398 | |
| Ampule holder (10-17mm) | 02-215-399 | |

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

Fisher Scientific Vortex Mixers



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

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

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.



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

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

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 time 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

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

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 | |
| Universal Holder | 02-216-118 | |



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 | |
| Universal Holder | 02-216-118 | |



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 | |
| Universal Holder | 02-216-118 | |



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 | |
| Universal Holder | 02-216-118 | |



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 | |
| Universal Holder | 02-216-118 | |



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 | |
| Universal Holder | 02-216-118 | |



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 | |
| Universal Holder | 02-216-118 | |



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 | |
| Universal Holder | 02-216-118 | |



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.

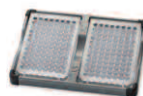
| Description | Part # | Price |
|---------------------|------------|-------|
| Small Vessel Holder | 02-216-130 | |
| Large Vessel Holder | 02-216-131 | |
| Universal Holder | 02-216-118 | |



Microplate Holder (single)

Designed to hold one microplate

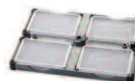
| Description | Part # | Price |
|----------------------------|------------|-------|
| Microplate Holder (single) | 02-216-117 | |



Microplate Holder (double)

Designed to hold two standard microplates.

| Description | Part # | Price |
|----------------------------|------------|-------|
| Microplate Holder (double) | 02-216-120 | |



Microplate Holder (quad)

Designed to hold four standard microplates

| Description | Part # | Price |
|--------------------------|------------|-------|
| Microplate Holder (quad) | 02-216-121 | |



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 | |



Cup Head

Designed for mixing 1 tube at a time.

| Description | Part # | Price |
|-------------|------------|-------|
| Cup Head | 02-216-116 | |



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 | |



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 | |
| Universal Holder Cover | 02-216-119 | |



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 | |
| 02-215-452 | |

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 | |
| 50 | blue | 02-215-455 | |
| 50 | yellow | 02-215-456 | |
| 50 | green | 02-215-457 | |
| 28 | white | 02-215-458 | |
| 15 | red | 02-215-459 | |
| N/A | gray | 02-215-460 | |
| N/A | N/A | 02-215-461 | |

>> 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.

Fisher Scientific Variable Speed Mini Vortex Mixer

Mini in Size, Large in Power

Feature Overview

The Mini Vortex Mixer is an extremely compact vortex mixer with adjustable speed control. The unique cup design accepts tubes and vessels of all sizes, including 15 and 50mL conical tubes.

The convenient touch function activates the motor in horizontally circular motion immediately upon contact with a tube or vessel. Simply press the center cup head, and the mixer provides a smooth, instant vortexing of samples.

- Compact, powerful and reliable
- Adjustable speed, up to 2800rpm
- Convenient touch function
- Smooth, instant vortexing
- Quiet and stable

Ordering Information

| Description | Electrical | Cat. No. |
|-----------------------------------|---------------|-------------------|
| Mini Vortex Mixers | | |
| Mini Vortex Mixer, variable speed | 115V, 50-60Hz | 14-955-163 |
| Mini Vortex Mixer, variable speed | 230V, 50-60Hz | 14-955-205 |

Specifications

| | |
|--------------------|--|
| Speed: | Adjustable, 500 to 2800rpm |
| Orbit | 4.5mm |
| Dimensions: | 3.8 x 3.8 x 4.2 in. 96 x 97 x 105mm |
| Weight: | 2 lbs / 0.9kg |
| Electrical: | 100 to 240V, 50-60Hz (0.6A) |
| Warranty: | 2 Years |



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To fax an order, use 1-800-926-1166
To order online: www.fishersci.com

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For customer service, call 1-800-234-7437
To fax an order, use 1-800-463-2996
To order online: www.fishersci.ca

BN01081516



A Thermo Fisher Scientific Brand

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 | |



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 | |
| Tray with six replacement mortars and pestles | 02-215-502 | |
| Pestles, set of 6 (replacement) | 02-215-501 | |



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

Vortex mixers

- Wizard model features unique infrared tube sensing system
- Protection: IP42
- Speed, rpm: 0 to 3,000
- Orbit diameter, mm: 4.5
- Dimensions [w x d x h], mm: 180 x 220 x 70
- Mass, kg: 2.4
- Electrical supply: 230V, 50Hz

| Cat. No | Description |
|----------|-----------------------|
| 11726744 | Vortex mixer, Classic |
| 11746744 | Vortex mixer, Wizard |

