

# Microplate Vortex Mixers



Microplate Vortex Mixers are designed specifically for continuous duty throughout the speed range. Analog variable speed models or microprocessor-controlled digital models offer exact speed control for applications that demand repeatable results. The high-speed and small orbit of these mixers make them optimal for effectively mixing microplates. Cup head for mixing single tubes is also included.

- Microplate Adapter's Unique Mode of Attachment Allows for Secure Mixing
- Touchpad Control & Independent LED Displays for Speed/Time on Digital Models
- Variable Speed Analog Model Offers an Economical Alternative to Digital Model

# Vortex Mixers

## Microplate Vortex Mixers

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

The OHAUS Digital 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: "Touch" mode which activates mixing when cup head is depressed, or "On" mode when using the microplate attachments for continuous operation.

### Operating Features:

**Microprocessor Control:** The variable speed microprocessor control provides consistent uniform mixing action.

**LED Display:** Touch pad controls with easy-to-read, independent LED displays for speed and time allow operator to view both settings at once. Provides repeatable and accurate results every time and is easily visible across lab benches. Timer will display elapsed time or, when programmed to user defined limit, will shut off unit when time reaches zero. Display will show last used settings, even after power has been turned off.

### Operating Conditions:

Unit can be run in conditions from 4 to 40°C, 20% to 85% relative humidity, non-condensing.

### Ordering Information:

Mixer includes a cup head, single microplate holder, and a detachable, 3-wire cord and specified plug. Accessories that can be used on the Microplate Vortex Mixer are cup head, single microplate holder and double microplate holder. Additional accessories can be found on page 60.

### This product includes:

Description	Item Number
Cup Head	30400210
Microplate Holder (Single)	30400215



Specifications	
Speed Range	300 to 2500 rpm
On Mode	300 to 2500 rpm
Touch Mode	300 to 3500 rpm
Timer	1 second to 160 hours
Orbit	3.5 mm
Controls	Touch/Standby/On Rocker Switch, LED Displays for Speed/Time, Up/Down Buttons for Set-Point Control
Capacity	2 microplates
Duty Rating	Continuous duty
Dimensions (L x W x H)	26.7 x 13.7 x 11.4 cm
Ship Weight	5.4 kg

Description	Model	Item Number
Digital Microplate Vortex Mixer	VXMPDG	30392150

## Microplate Vortex Mixers

- Designed for continuous duty
- Designed for shaking microplates or tubes
- Optional double microplate holder available

The OHAUS Analog 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 which activates mixing when cup head is depressed, or "On" mode when using the microplate attachments for continuous operation.

### Operating Conditions:

Unit can be run in conditions from 4 to 40°C, 20% to 85% relative humidity, non-condensing.

### Ordering Information:

Mixer includes a cup head, single microplate holder, and a detachable, 3-wire cord and specified plug. Accessories that can be used on the Microplate Vortex Mixer are cup head, single microplate holder and double microplate holder. Additional accessories can be found on page 60.

### This product includes:

Description	Item Number
Cup Head	30400210
Microplate Holder (Single)	30400215



Specifications		
Speed Range	On Mode Touch Mode	300 to 2500 rpm 300 to 3500 rpm
Orbit		3.5 mm
Controls		Analog
Capacity		2 microplates
Duty Rating		Continuous duty
Dimensions L x W x H)		26.7 x 13.7 x 11.4 cm
Ship Weight		5.4 kg

Description	Model	Item Number
Analog Microplate Vortex Mixer	VXMPAL	30392155

# Vortex Mixers

## Microplate Vortex Mixer Accessories

### Foam Insert for 0.5 mL Microtubes

Foam insert holds (52) 0.5 mL microtubes.  
Requires Universal Holder.

Description	Item Number
0.5 mL microtubes	30400216
Universal Holder	30400226

### Foam Insert for 1.5 to 2.0 mL Microtubes

Foam insert holds (38) 1.5 to 2.0 mL microtubes.  
Requires Universal Holder.

Description	Item Number
1.5 to 2.0 mL microtubes	30400217
Universal Holder	30400226

### Foam Insert for 12-13 mm Test Tubes

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

Description	Item Number
12-13 mm test tubes	30400220
Universal Holder	30400226

### Foam Insert for 15-18 mm Test Tubes

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

Description	Item Number
15-18 mm test tubes	30400221
Universal Holder	30400226

### Foam Insert for 19-21 mm Test Tubes

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

Description	Item Number
19-21 mm test tubes	30400222
Universal Holder	30400226

### Foam Insert for 22-25 mm Test Tubes

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

Description	Item Number
22-25 mm test tubes	30400223
Universal Holder	30400226

### Foam Insert for 26-29 mm Test Tubes

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

Description	Item Number
26-29 mm test tubes	30400224
Universal Holder	30400226

### Single Tube Holder

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

Description	Item Number
Single Holder	30400219



### Cup Head\*

Designed for mixing 1 tube at a time.

Description	Item Number
Cup Head	30400210



### Small Vessel Holder

Rubber holder secures 125 and 250 mL Erlenmeyer flasks. Vessel holder also includes a grip mat. Requires Universal Holder.

Description	Item Number
Small Vessel Holder	30400218
Universal Holder	30400226



### Large Vessel Holder

Rubber holder secures 500 and 1000 mL Erlenmeyer flasks. Vessel holder also includes a grip mat. Requires Universal Holder.

Description	Item Number
Large Vessel Holder	30400211
Universal Holder	30400226



### Microplate Holder (Single)\*

Designed to hold one standard microplate.

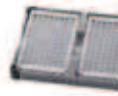
Description	Item Number
Single Holder	30400215



### Microplate Holder (Double)\*

Designed to hold two standard microplates.

Description	Item Number
Double Holder	30400213



### Microplate Holder (Quad)

Designed to hold four standard microplates.

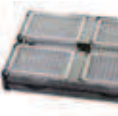
Description	Item Number
Quad Holder	30400214



### 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	Item Number
Stackable Holder	30400212



### Flat Foam Insert

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

Description	Item Number
Flat Foam Insert	30400209
Universal Holder	30400226



### Universal Holder & Cover

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

Description	Item Number
Universal Holder	30400226
Universal Holder Cover	30400225



\*Unless noted with an asterisk (\*), for use on Heavy-Duty Vortex only.



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**Use the above details to contact us if this literature doesn't answer all your questions.**

**Pricing on any accessories shown can be found by keying the part number into the search box on our website.**

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

