Vortex Mixer - Variable Speed Lab Vortexer - 1000-2800 rpm - 3 mm Orbit, Touch or Continuous

Model **MSVMX3-28SWISS** | Brand **Master Science**





The Master Science Variable Speed Vortex Mixer uses eccentric rotation to create a vortex in test tubes and other small containers, mixing solutions quickly and thoroughly, including liquid clinging to the tube wall. It handles tubes up to 50 ml and, with optional adaptors, a wide range of other vessels.

KEY HIGHLIGHTS

- Fast, thorough mixing
- Two working modes
- Contamination-free
- Flexible holders

AT A GLANCE

1000 to 2800 rpm SPEED RANGE	**Up to 50 ml tubes** TUBE CAPACITY
60 W POWER	**1 s to 99 min 59 s, or continuous** TIMER

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www.themsci.com

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Overview

Speed is adjustable from 1000 to 2800 rpm with a 3 mm orbit, and the unit works either in touch mode, running only while a tube is pressed on the head, or continuously with a digital timer. Because nothing enters the sample, the Master Science Variable Speed Vortex Mixer avoids contamination and magnetic-field effects from stir bars.

Hand shaking is slow and inconsistent. The Master Science Variable Speed Vortex Mixer helps with:

Key Benefits

Fast, thorough mixing
The vortex action mixes all liquid, including droplets on the tube wall.

Two working modes
Touch mode for quick mixes, continuous mode for timed runs.

Contamination-free
No stir bar or impeller contacts the sample.

Flexible holders
Sponge inserts take several tube sizes at once.

For batch mixing of many tubes, see the multi-tube vortex mixer.

Technical Specifications

GENERAL	
Brand	Master Science
Model Number	MSVMX3-28SWISS
SKU	MSVMX3-28SWISS
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Model	MSVMX3-28SWISS
SKU	MSVMX3-28SWISS
Speed Range	**1000 to 2800 rpm**
Orbit Amplitude	3 mm
Timer	1 s to 99 min 59 s, or continuous
Operating Modes	Touch (inching) or continuous
Tube Capacity	**Up to 50 ml tubes**
Supplied Heads	Single-tube vortex head, sponge tray and four sponge modules
Display	Digital timing display

POWER	
Power	60 W
Voltage	AC 110 or 220 V, 50/60 Hz

DIMENSIONS & WEIGHT	
Dimensions (W × H × D)	197 × 135 × 156 mm
Weight	3.4 kg

PROBLEMS THE MASTER SCIENCE VARIABLE SPEED VORTEX MIXER SOLVES	
Incomplete mixing	A strong vortex brings down and mixes liquid from the tube walls.
Contamination from stir bars	Mixing happens without inserting anything into the sample.
Different tube sizes	Sponge modules hold various tubes securely.
Inconsistent run times	The digital timer standardises mixing time.

The Master Science Variable Speed Vortex Mixer is used in

- **Mixing samples and reagents in test tubes and microtubes**
- **Dissolving poorly soluble drugs and stains**
- **Resuspending cells and bacteria**
- Extraction steps in environmental, food and petrochemical labs
- **Clinical, research and teaching laboratories**

Mixing

- Eccentric orbit, 3 mm amplitude
- Variable speed 1000 to 2800 rpm
- Tubes up to 50 ml

Control

- Touch or continuous operation
- Digital timer up to 99 min 59 s or unlimited
- Speed control knob

Accessories Included

- Single-tube vortex head
- Sponge tray
- Four sponge modules for different tube sizes

Standard Accessories Included

- Vortex mixer main unit
- Single-tube vortex head
- Sponge tray
- 4 sponge modules

Optional Accessories

- Additional adaptors for other vessels