

# Vortex Mixers

Low profile design and highly touch sensitive sensor reduce wrist stresses when pushing and holding experiment tools resulting in less fatigue and less unpleasant feeling .



## VM-96T / VM-96A

※ Microplate tray in above picture is optional.

### High-sensitive platform (standard accessory)



Rapid vortex formation even touching anywhere on top plate.



Available to handle the several tubes at the same time.



Various shape tubes can be used. (centrifuge tube, conical tube, test tube, etc.)



## Features

- Well-balanced design and optimized safety features.
- Low-profile with small footprint ideal for use on lab benches and within fume hoods or clean benches.
- On touch operation mode, real-time and dynamic mixing made even with gentle touch.
  - Every point of the top surface is highly reactive to gentle touch due to widely built in sensitive sensors.
- Selective mixing modes with variable speed control knob.
  - VM-96A: Touch / Continuous / High-continuous.
  - VM-96T: Touch / Continuous.
- Built-in LED lamps in case of VM-96A for easy recognition of the mixing mode selected.
- Sparkless BLDC motor adopted for safety, quick acceleration, and low maintenance.
- Built-in safety features against overload and over current.
- Chemically resistant polypropylene molded exterior.
- Wide range of accessories available.

Model		VM-96A	VM-96T	
Speed range (rpm)		Max. 3000		
Speed control		Scale		
Operating mode		Touch / Continuous / High-continuous	Touch / Continuous	
Motion		Orbital		
Orbit size (mm, inch, dia.)		4 / 0.16		
Max. load (kg / lbs)		0.5 / 1.1		
Motor rating input / output (W)		12 / 6		
Material	Platform	Silicone		
	Body	Polypropylene		
	Motor type	BLDC (Brushless Direct Current)		
Dimensions	Platform (WxD) (mm / inch)	76x76 / 3x3		
	Exterior <sup>1)</sup> (WxDxH) (mm / inch)	154x210x84 / 6.1x8.3x3.3	148x159x77 / 5.8x6.3x3	
	Net weight (kg / lbs)	3 / 6.6	2.6 / 5.7	
Protection class (DIN EN 60529)		IP 42		-
Electrical requirements		AC 100V to 240V, 50/60Hz		
Cat. No.	KR plug	<b>AAH360215K</b>	Persian blue <b>AAH361215BK</b>	Orange <b>AAH361215RK</b>
	US plug	<b>AAH360215U</b>	Persian blue <b>AAH361215BU</b>	Orange <b>AAH361215RU</b>

1) Exterior dimension without accessories.  
 \* Permissible environmental conditions: temperature (5-40°C) and relative humidity (up to 80%)  
 \* Protection class according to DIN EN 60529: Waterproof, dust production index based on the test level.  
 \* RoHS only for VM-96A.  
 \* FDA establishment registered company. FDA listed products.

## Accessories & Options



Platform (standard)



Platform (pop-off)

Microplate tray

Cat. No.	Description
<b>VMS0058</b>	Platform (standard)
<b>VMS0063</b>	Platform (pop-off)
<b>VMS0008JT</b>	Microplate tray
<b>AAA36520</b>	Tube holder with tray (up to $\Phi 50$ mm)
<b>AAA36521</b>	Tube holder with tray ( $\Phi 10$ mm x 16ea)
<b>AAA36522</b>	Tube holder with tray ( $\Phi 12$ mm x 9ea)
<b>AAA36523</b>	Tube holder with tray ( $\Phi 15$ mm x 9ea)
<b>AAA36524</b>	Tube holder with tray ( $\Phi 20$ mm x 5ea)
<b>AAA36525</b>	Tube holder with tray ( $\Phi 25$ mm x 4ea)
<b>AAA36526</b>	Tube holder with tray ( $\Phi 8$ mm x 18ea & $\Phi 10$ mm x 28ea)



Tube holders with adhesive tray for stable vortexing.