

Labfirst Scientific Instruments (Shanghai) Co., Ltd.

# | Vortex S

### **Variable speed Vortex Mixer**

## **Features**

- Variable speed of 0 to 3,000rpm for gentle shaking to rapid mixing of samples
- Touch or continuous operation mode
- Includes a standard top head for mixing a single test tube or other small vessel up to 30mm in diameter
- Electronic speed control maintains constant speed even during changes in load
- Steel base with specially designed vacuum suction feet provides stability and dampens vibration
- Robust aluminum-cast construction



#### VT1.1 Standard top(Default)

Cat. No.921001

for <Ø30mm tubes and small vessels



Specifications	Vortex S (Adjustable speed)		
Voltage,Frequency	100-120V/200-240V,50/60Hz		
Power	60W		
Mixing motion	Orbital		
Orbital diameter	4mm		
Motor type	Shaded pole motor		
Motor rating input	58W		
Motor rating output	10W		
Speed range	0-3000rpm		
Speed display	Scale		
Run type	Touch operation/Continuous		
Dimension[W×H×D]	127×130×160mm		
Weight	2.0kg		
Permissible ambient temperature	5-40°C		
Permissible relative humidity	80%RH		
Protection class	IP20		



VT1.3.1 tube adapter

Cat. No.921004

for 48 test tubes, Ø6mm (1 ml)



VT1.2 Tube holding rod

Cat. No.921002

used with tube adapters



VT1.3.2 tube adapter

Cat. No.921005

for 15 test tubes, Ø10mm (1.5-2 mL)



VT1.3 Universal top plate

Cat. No.921003

Ø 100mm



VT1.3.3 tube adapter

Cat. No.921006

for 16 test tubes, Ø12mm (5 mL)



VT1.3.6 Platform pad

Cat. No.921009

Ø99mm, multiple small tubes and vessels



VT1.3.4 tube adapter

Cat. No.921007

for 8 test tubes, Ø16mm (10 mL)



VT1.3.7 vacuum chuck

Cat. No.921010

made of rubber



VT1.3.5 tube adapter

Cat. No.921008

for 8 test tubes, Ø20mm (10-15 mL)



PS1.2 Microplate clamp

Cat. No.921202



VT1.3.6 PCR tube adapter Cat. No.921012

for 56 test PCR tubes, strips of 8, Ø5mm (0.1mL-0.5 mL)



### Application of accessories

Accessories	Adjustable speed model (0-2500rpm)			
	Touch mode (High speed area)	Continuous mode (Low speed area)		
VTI.1	Υ	Υ		
VTI.2 + VT1.3.1	Υ			
VTI.2 + VT1.3.2	Υ			
VTI.2 + VT1.3.3	Υ			
VTI.2 + VT1.3.4	Υ			
VTI.2 + VT1.3.5	Υ			
VTI.3 + VT1.3.6	Υ			
VTI.3 + VT1.3.1		Υ		
VTI.3 + VT1.3.2		Υ		
VTI.3 + VT1.3.3		Y		
VTI.3 + VT1.3.4		Υ		
VTI.3 + VT1.3.5		Y		



Lab1st mixers range can be divided into different series as per mixing speed, working mode, load capacity etc:

Series	Image	Model	Speed Range	Working mode	Capacity
Vortex Mixer		Vortex S	0~3000rpm	Orbital (touch + continuous modes)	-
		Vortex F	3000rpm(fixed)	Orbital (touch + continuous modes)	-
	No.	Vortex E	3000rpm (fixed)	Orbital (touch mode)	-
		Vortex C	0~3000rpm	Orbital (touch + continuous modes)	8x2mL
Microplate Mixer		Microster M	0~1500rpm	Orbital (continuous mode)	0.5Kg
Disk Rotator		Rotaster 3	10~70rpm	360° rolling (timer + continuous)	60x1.5mL,16x15mL, 8x50mL, (available for 3 layers)
Rotisserie Rotator		Grillster T	10~70rpm	360° rolling (timer + continuous)	48x1.5mL,24x15mL, 24x50mL
Disk Rotator		Rotaster 1 basic	0~80rpm	360° rolling (continuous)	48x2mL,16x15mL, 8x50mL
Rotisserie Rotator		Grillster basic	0~80rpm	360° rolling (continuous)	32x2mL, 20x15mL,16x50mL
	-	See-saw 30 basic	0~30rpm	30±3° rocking (continuous)	10x10nL, 4x50 mL
Rocker	-	See-saw 30L	0~30rpm	30±3° rocking (continuous)	16x10mL 6x50mL
		See-saw 30D	0~30rpm	40±3° rocking (continuous)	32x10mL,12x50mL
Roller	MMN.	Rollster 6	0~70rpm	360° rocking&rolling (timer + continuous)	4Kg
	**************************************	Rollster 6 basic	0~70rpm	360° rocking&rolling (continuous)	4Kg

Lab1st shaker series can be divided to different types as per different motion models:

Series	Image	Model	Plate Size	Display	Speed Range	Max. Load Capacity
Orbital Shaker		Orbister 330	32x32cm	LCD	100-500rpm	7.5Kg
		Orbister 250	25x24.5cm	LCD	100-800rpm	2.5Kg
		Orbister 330 basic	33.5x33.5cm	LCD	70-400rpm	3Kg
	(III)	Orbister 250 basic	26.8X26.8cm	LED	40-200rpm	2Kg
Linear Shaker		Recipster 330	32x32cm	LCD	100-350rpm	7.5Kg
	88	Recipster 250	25x24.5cm	LCD	100-350rpm	2.5Kg
Rocking Shaker		Wavester 330	30x28.5cm	LCD	10-70rpm	10Kg
		Wavester 250 basic	26.8x26.8cm	LED	10-80rpm	2Kg
3D Shaker		3D-Ster 330	30x28.5cm	LCD	10-70rpm	5Kg