

# Mixers, Rotators and Rollers

## Vortex Mixers

Vortex Mixers are ideal instruments for gentle mixing to vigorous resuspension of cells and biological and chemical liquid components in tubes using an eccentric mechanism. They are widely used in life science, physical and chemical analysis fields.



### MX-S

With standard top cup VT1.1 adjustable speed



## MX-S Vortex Mixer

### Features:

- Touch and continuous operations
- Speed range of 0-2500rpm, stepless speed regulation
- Used for various mixing applications with optional adapters
- Specially designed vacuum suction feet for excellent stability
- Aluminium cast base for excellent stability



## Accessories(MX-S)



### MX-S

With VT1.3-universal top plate and a tube adapter  
Continuous operation



### MX-S

With VT1.1-standard top cup  
Touch operation



### MX-S

With VT1.2-holding rod and tube adapter Touch operation



### Cat. No: 18900034

VT1.1 Standard top  
for  $\lt; \text{Ø}30\text{mm}</math> tubes and small vessels$



### Cat. No: 18900035

VT1.3 Universal top plate  
Ø 100mm



### Cat. No: 18900020

VT1.3.1 tube adapter  
for 48 holes test tubes, Ø6mm,  
used with VT1.3/ VT1.2



### Cat. No: 18900021

VT1.3.2 tube adapter  
for 15 holes test tubes, Ø10mm,  
used with VT1.3/ VT1.2



### Cat. No: 18900024

VT1.3.5 tube adapter  
for 8 holes test tubes, Ø20mm, used  
with VT1.3/ VT1.2



### Cat. No: 18900022

VT1.3.3 tube adapter  
for 12 holes test tubes, Ø12mm,  
used with VT1.3/ VT1.2



### Cat. No: 18900023

VT1.3.4 tube adapter  
for 8 holes test tubes, Ø16mm, used with  
VT1.3/ VT1.2



### Cat. No: 18900043

VT1.3.6 Platform pad  
for  $\lt; \text{Ø}99\text{mm}</math> tubes and small vessels$



### Cat. No: 18900044

VT1.2 Tube holding rod  
used with tube adapters



### Cat. No: 18900158

VT1.3.7 Rubber vacuum suction foot

## Application of accessories

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



## MX-E



### MX-E Classic Vortex Mixer

- Touch operation
- Fixed speed at 3000rpm
- Small compact shape, ultra shock mount
- Eccentric bearing design

#### Specifications

	MX-S (Adjustable speed)	MX-E (Fixed speed)
Voltage[VAC]	110-120/220-230	100-240
Frequency[Hz]	50/60	50/60
Power[W]	60	20
Mixing motion	Orbital	Orbital
Orbital diameter[mm]	4	4.8
Motor rating input[W]	58	12
Motor rating output[W]	10	8
Speed range[rpm]	0-2500	3000
Speed display	Scale	-
Run type	Continuous/ touch operation	Touch operation
Dimensions[W×H×D mm]	127×130×160	134×134×70.5
Weight[kg]	3.5	0.8
Permissible ambient temperature[°C]	5-40	5-40
Permissible relative humidity	80%	80%
Protection class acc. DIN EN60529	IP21	IP21