

vortex

MIXER

User Guide

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Introduction

The Vortex Mixer is a quiet, powerful mixer designed for vortexing micro tubes of all sizes (0.4 mL to 50 mL, and larger). It combines dynamic balance technology with an electronic speed control to provide smooth speed and quiet operation with low excess vibration. This vortex mixer will provide years of reliable service.

Specifications

VORTEX MIXER	
Speed/Control	User settable 200 to 3200 rpm
Operating Modes	ON: continuous mix TOUCH: touch mix OFF: no mix
Head	Standard rubber cup provided. Seven other accessory heads are available (separately sold), refer to chapter ACCESSORIES , on page 6
Feet	Four suction cups
Orbit	3 mm
Operating Environment	4°C to 45°C
Dimensions (WxDxH)	13 x 16 x 17 cm (5.1 x 6.2 x 6.6 in.)
Weight	3.8 kg / 8.4 lbs.
Electrical	115VAC, 60 Hz, 1.5 amps (115V model) 230VAC, 50 Hz, 0.75 amps, (230V model)
Warranty	2 years

Installation

1. Place the Vortex Mixer on a clean, flat, stable surface and press down slightly to allow the suction cup feet to adhere.
2. Make sure that the mode switch is in the OFF position and plug the vortex mixer into a properly grounded outlet.
3. Using the speed control knob, adjust the mixing speed to the desired setting.
4. Check that the cup head is securely fastened by gently rotating it clockwise.
5. Start at the middle of the speed range if you are uncertain of what setting you need.

Operation

In touch mode, the tube to be mixed is pressed downward against the head to activate the vortex mixing action.

NOTICE

Avoid the use of solvents as they may attack the rubber cup head or the acrylonitrile butadiene styrene (ABS) plastic housing.

Head Removal and Replacement

To change or replace the rubber head attachment, grasp the unit body and then gently rotate the head attachment counter clockwise with the other hand until the cup head is completely unscrewed.

Replace the head attachment by gently rotating clockwise until it is tight and you feel the rubber start to grip the top of the dynamic drive assembly.

NOTE

Attaching accessory heads requires the use of a Phillips screwdriver to tighten the center screw in the accessory head.

Ordering Information

PART NUMBER	DESCRIPTION
36110740	Vortex Mixer with standard cup head, 115V, US cord
36110750	Vortex Mixer with standard cup head, 230V, EU cord (3-pin cord)
36110760	Vortex Mixer with standard cup head, 230V, UK cord
36110770	Vortex Mixer with standard cup head, 230V, AU cord

Accessories

Seven accessory heads are available (sold separately) to meet a wide range of laboratory needs.

PART NUMBER	DESCRIPTION
36117310	Vortexer Flat head
36117320	Combo Head for 1 microplate and 26 microtubes
36117330	Optional Foam Rack for 12 tubes (15 mL) For Vortex Mixer with standard cup head only (PN 36110740)
36117340	Optional Foam Rack for 5 tubes (50 mL) For Vortex Mixer with standard cup head only (PN 36110740)
36117350	Horizontal head, for 12 x 1.5 mL
36117360	Horizontal head, for 4 x 15 mL
36117370	Horizontal head, for 2 x 50 mL

Warranty

Gilson warrants this instrument against defects in material under normal use and service for two years from the date of purchase. This warranty is valid only if the instrument is used in the manner described in this guide and for the purpose for which it is designed. Gilson is not responsible for consequential damages resulting from the misuse or bad cleaning or decontamination of this instrument. Enclose with the returned instrument a description of the problem that has occurred.

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