

INTRODUCTION

Overview

The model KMC-1300V Vortex Mixers are general laboratory vortex mixers. Speed range from 0 to 3,000 rpm.

The unit consists of a foam rubber mixing head, a three-position power switch and a stepless adjustable speed control.

A three-position power switch enables the mixer to be operated continuously or by depression of the foam rubber top. Rubber suction also feet are incorporated to prevent "working".

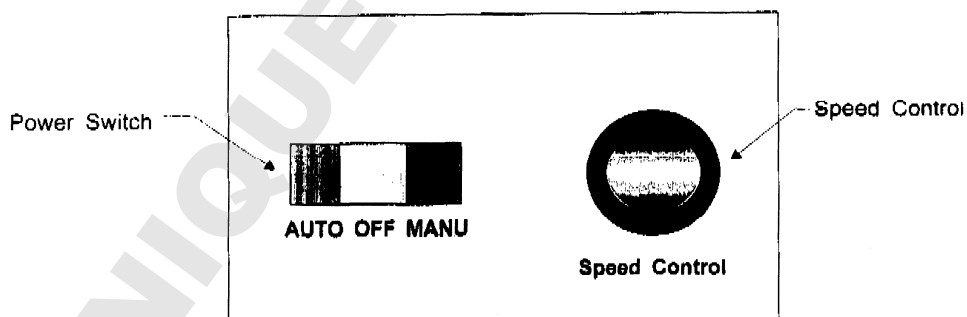


Figure 1 ; Control Panel

3. INSTALLATION

3-1. Preparing the location

Place the unit on a clean, dry and horizontal surface to ensure that the rubber suction feet grip the surface firmly.

3-2. Power Connection

Verify that the power switch is on the OFF position. Connect the power cord to the Power Connector and the other end to a suitable, grounded receptacle.

WARNING: Before making electrical connections, verify that the power source voltage matches the mixer's power requirements. The Electrical specification Plate is located on the rear panel of the unit. If not observed, could result in damage to the unit.

Specification

Speed range	0 – 3000 rpm
Operation Mode	Touch On & Constant On
Material	Aluminum Die-casting & ABS
Head	Rubber Mixing Cup
Dimension (mm)	130 x 155 x 155 (H)
Weight	3.1 kg
Power	AC220V, 50Hz

OPERATION

5-1. Power Switch

The power switch is a combination On/Off and mode switch to enable Auto (Touch) operation. Move the power switch to either the MANU position or the AUTO position.

5-2. Speed Control

The speed control is step less type control. The oscillating speed will increase at a non-uniform rate as the control is turned clockwise.

CAUTION: Do not turn on mixer unless the speed control is turned to minimum, failure to do so may cause accessories and vessels to be thrown of the mixer.

Operating

To operate Vortex Mixer KMC-1300V, move power switch to either the MANU position or the AUTO position. Turn Speed Control to the desired setting.

MANU operation

Move power switch to the “MANU” position, and turn speed control to the desired setting. The mixing head will begin oscillating automatically, and continue oscillating until turn of the mixer.

AUTO operation

Move power switch to the “AUTO” position, and turn speed control to the desired setting. The mixing head will oscillate when it is depressed.

To stop the mixing action, remove vessel from the rubber mixing head (AUTO operation) or move the power switch to the “OFF” position (MANU operation).