



## NEUATION iSWIX FS Fixed Speed Vortex Mixer User Manual

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# NEUATION

FS Fixed Speed Vortex Mixer



**iSWIX FS**  
**PRODUCT USER MANUAL**

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## **INTRODUCTION**

This vortex mixer is designed for laboratory mixing. It assures the highest performance in terms of speed, reliability, precision and safety.

## **INTENDED USE**

This vortex mixer is a general laboratory vortex mixer. It is indented for application where vortexing of single or multiple tubes is required.

## **FEATURES**

1. Continuous / touch operation
2. Long life AC motor with ball bearing
3. Inbuilt counter balance for steady and safe operation
4. Orbital diameter of 4mm
5. Robust construction for stable operation
6. Silent operation
7. Universal power supply

## **TECHNICAL SPECIFICATIONS**

Orbital Diameter	4 mm
Maximum Speed	2800 RPM
Speed Accuracy	± 5%
Maximum Load Capacity	500 gm
Different modes	Continuous & Touch mode
Protection Rating	IP 21
Ambient Temperature	5 to 40 °C
Permissible Relative Humidity	.AO%
Dimensions (W x D x H)	205 x 138.5 x 136 mm
Weight	2.8 Kg
Power Supply	230VAC, 50Hz
Power Consumption	70 W
Altitude	Use upto an altitude of 2000 m above MSL
Pollution Degree	2
Environment	For indoor use only
Safety Fuse	1 Amp

## STANDARD ACCESSORIES

1. Standard cup head (pre-installed) + round disk attachment
2. Power cord, Product user manual & warranty card

## SAFETY PRECAUTIONS



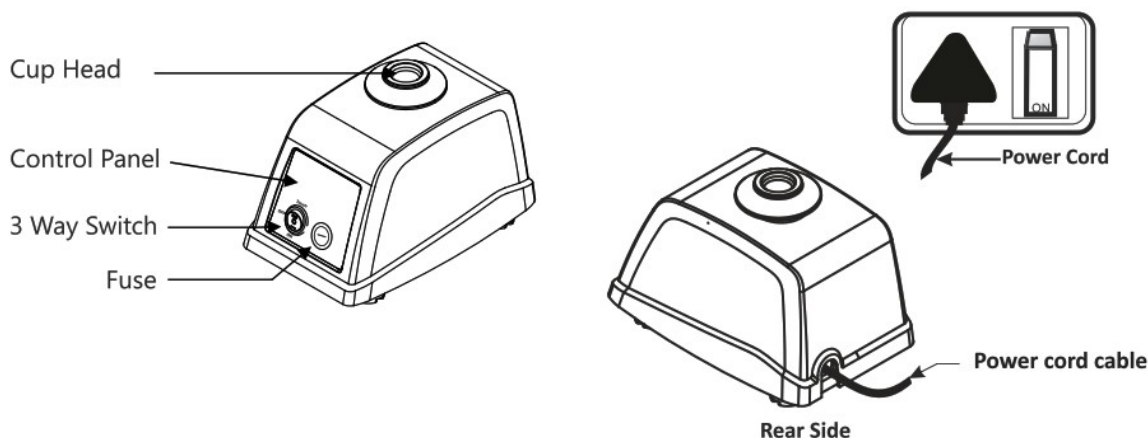
Read the following safety instructions before using LN the mini vortex mixer for your safety & the safety of the equipment.

1. Do not use the unit if it shows any sign of electrical or mechanical damage.
2. Do not use the vortex mixer in hazardous atmosphere or with hazardous material for which the unit is not designed.
3. Always use the vortex mixer on a level & stable surface for best performance and maximum safety.
4. Position the device appropriately to prevent the disconnection of the power supply.
5. Do not the lift vortex mixer with the attachments, as every attachment including the cup head are designed to be pulled off for interchanging.
6. Do not rotate or give full rotation to the attachments (cup head, universal attachment, etc) attached to the modified shaft body.
7. Clean the unit with a damp cloth using a mild detergent only. Do not use chemical cleaning agents.
8. If liquid is spilled on the unit, first disconnect unit from the external (main) power supply and then clean the unit

with damp cloth.

9. Do not use accessories which are not recommended by the manufacturer, as this may affect performance.
10. The instrument is designed to be used in the laboratory environment.
11. Liquid spillage may harm the unit. Do not fill microtubes, while they are attached to the vortex mixer.
12. For Safety we have provided protective earthing with the power supply. Make sure the power supply is earthed.
13. Safety Fuse is provided with a 1 Amp configuration which can be replaced by the operator. The same will protect the machine circuit during electrical faults or overloads.

## STANDARD PART LISTING



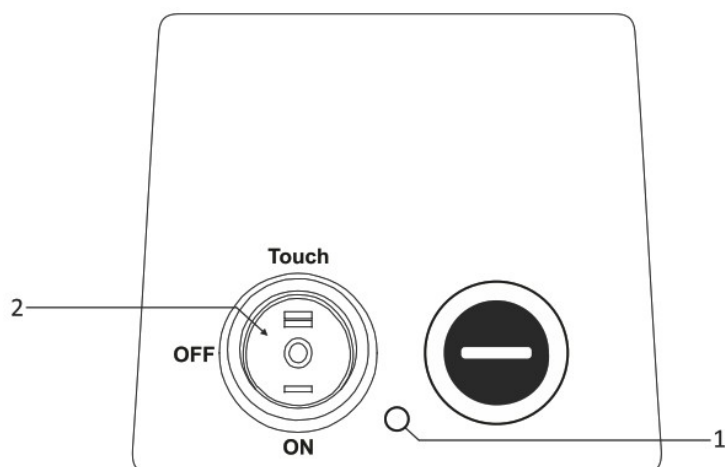
## INSTALLATION

Open the box, open the inner packaging and gently take the vortex mixer out of the box. Before the first use ensure that all the packaging is removed and the cup head is firmly tightened before using the product. The user manual and accessories should be kept near the unit for warranty purposes.

Take the unit out and place it on the levelled & stable surface near the grounded electrical outlet. Keep a clearance of 10 cm on all sides of the unit for proper ventilation.

Connect one end of the power adaptor pin to the rear side of the unit and another end to main supply. Make sure that the main switch is not switched "ON" until the adaptor is connected to both the side.

## USER INTERFACE & DISPLAY


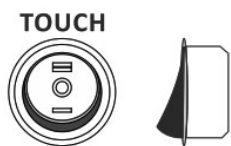
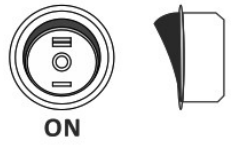


No.	Name/Symbol	Function
1	Power LED	Power Led showing the status of vortex action. Glowing – when vortex action is in process, Not Glowing – No Vortex action
2	3 way switch (Mode selection)	Rocker switch is use to select different mode in vortex mixer. OFF (stand by), Continuous & touch operation mode.

## OPERATION

Always connect the plug to the power supply to start the unit

### STANDBY, TOUCH & CONTINUOUS MODE

Placing the 3 way switch in the Standby position It will keep the vortex mixer in an OFF state.	
Press the 3 way switch up towards the “Touch ” side to enable the Touch mode. In Touch mode, vortex action will start only when the cup head is pressed.	
Press the 3 way switch down towards the “ON” side to enable the Continuous mode. In Continuous mode, the vortex action will start automatically (without pressing cup head) at the set speed and time.	

## MAINTENANCE & CLEANING

1. Always keep the vortex mixer & its accessories in a safe storage location and clean periodically with moist cloth. After cleaning, ensure that all parts are dry before reuse
2. Ensure that while cleaning the unit is not plugged in.
3. The brushless motor in the vortex mixer requires no routine maintenance. Any required service should be performed by authorized, qualified personnel only.  
Repairs performed by unauthorized personnel may void the warranty.
4. Do not try to pull the vortex mixer with attached accessories.
5. Do not try to rotate the attachments attached to modify the shaft body.
6. Do not use the vortex mixer & its accessories in direct sunlight or under water.

## WARRANTY STATEMENT

This product is warranted to be free from defects in material and workmanship for a period of two (2) years from date of purchase. Your product will be duly repaired upon prompt notification in compliance with the following conditions : This warranty is valid only if the product is used for its intended purpose and within the guidelines specified in this instruction manual. This warranty does not cover damage caused by accident, neglect, misuse, improper service, natural forces or other causes not arising from defects in original material or workmanship. This warranty does not cover any incidental or consequential damages, commercial loss or any other damages from the use of this product.

All items returned for service should be set postage prepaid in the original packaging or other suitable carton, added to avoid damage.

This warranty is valid only if the warranty is registered with the supplier within 30 days from the date of purchase.

For your reference, make a note of the serial number, date of purchase and supplier here.

Serial No.....

Purchase Date.....

Supplier.....

## PRODUCT DISPOSAL

In case the product is to be disposed of, the relevant legal regulations are to be observed.

Information on the disposal of electrical and electronic devices in the European Community The disposal of electrical devices is regulated within the

European Community by national regulations based on EU Directive 2012/19/EU on waste electrical and electronic equipment (WEEE). According to these regulations, any devices supplied after 13.06.05 in the business to business sphere, to which this product is assigned, may no longer be disposed off in municipal or domestic waste. They are marked with the following symbol to indicate this.



As disposal regulations within the EU may vary from country to country, please contact your supplier if necessary.

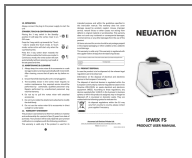
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## Documents / Resources



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0210-00-0000-02-003-RO, iSWIX FS, iSWIX FS Fixed Speed Vortex Mixer, Fixed Speed Vortex Mixer, Speed Vortex Mixer, Vortex Mixer, Mixer