

Instruction manual

VWR® MINI VORTEX MIXER

EU cat. no 444-1337



CE

**UK
CA**

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Table of Contents

Introduction.....	3
Cautions for Usage.....	3
Receiving and Inspection.....	3
Features.....	3
Specification	4
Operation Instructions.....	4
Maintenance.....	4
Packing list.....	4
Technical service	5
Warranty.....	5
Compliance with local laws and regulations	5
Equipment disposal	5

Introduction

Thank you for choosing VWR's product. This product can be used in a variety of laboratory applications and work with a number of different sized tubes.

Before using the device, please read this entire manual carefully to understand how to operate and maintain. Your satisfaction with the device will be increased if you take the time to read about its safety and operational notices.

Keep this manual on-hand so it can be accessed by all operators. Be sure all operators of the device are given appropriate training before you put it in service.

Cautions for Usage

1. Make sure you follow the regulation and ordinances in your area regarding the use of this device.
2. Use only approved accessories. Do not modify system components. Any alterations or modifications to your instrument may be dangerous and will void your warranty.
3. Do not modify the power cord provided with the device.
4. Please only use the original adaptor provided with the device.
5. Place the device on a non-slip and sturdy surface to avoid vibration and noise.
6. Be aware of the risk of squirting liquids while stirring.
7. A pressure of 0.8 Kg is enough to activate the device. Please avoid excessive pressure.
8. Keep the device stable when in operation.
9. Do NOT mix any flammable or any hazardous liquids.
10. DO NOT clean the unit with any corrosive or flammable liquids.

Receiving and Inspection

Your satisfaction and safety require a complete understanding of this unit, including its proper function and operational characteristics. Be sure operators are given adequate training before attempting to put the instrument in operation.

1.1 Inspection: Please inspect the package upon delivery. If any damage has occurred, report the damage to your local carrier immediately.

1.2 Inspect the device, if any damage has occurred during the shipping, please contact your carrier and local Avantor office. Don't destroy the packaging material, keep them until the device is confirmed in good condition.

1.3 Return Shipment: For any reason, if you have to return the unit, please contact your local Avantor office.

1.4 Accessories: Check the packing list and confirm all the parts you received are correct.

Features

- ☐ Compact size
- ☐ Easy operation
- ☐ Touch activation mode

Specifications

Model	444-1337
Speed	3000rpm
Orbital Diameter	4.5mm
Capacity	Max. 80ml
Tube Diameter	Max. 30mm
Ambient	5-40°C, ≤80%RH
Power Supply	AC100-240V, 50/60Hz, 5Watts
Dimension(ΦxH)	95x85mm
Weight	0.55kg
IP rating(DIN EN60529)	IP 40
Plug	EU, UK, CH

Operation Instructions

1. Please connect the device to the power supply.
2. Place the tube on the top socket.
3. Press the tube slightly to active shaking.
4. Lift the tube, and the device will stop shaking.

Maintenance

- For safety, please follow the instructions below:
- Unplug the power cord before cleaning.
- Clean the device with soft cloth and non-corrosive liquid (PH<8).
- DO NOT spray the device with liquids.
- Make sure the unit is completely dry before use.
- Make sure there is no hazardous material in the device prior to maintenance.

Packing List

Description	Quantity	Remarks
Vortex Mixer	1	✓
User's Manual	1	✓
Adapter cable	1	With 3 plugs

Technical service

Web Resources

Visit the VWR website at **www.vwr.com** for:

- Complete technical service contact information
- Access to the VWR Online Catalogue, and information about accessories and related products
- Additional product information and special offers

Contact us

For information or technical assistance contact your local VWR representative or visit. www.vwr.com.

Warranty

VWR warrants that this product will be free from defects in material and workmanship for a period of two (2) years from date of delivery. If a defect is present, VWR will, at its option and cost, repair, replace, or refund the purchase price of this product to the customer, provided it is returned during the warranty period. This warranty does not apply if the product has been damaged by accident, abuse, misuse, or misapplication, or from ordinary wear and tear. If the required maintenance and inspection services are not performed according to the manuals and any local regulations, such warranty turns invalid, except to the extent, the defect of the product is not due to such non-performance.

Items being returned must be insured by the customer against possible damage or loss. This warranty shall be limited to the aforementioned remedies. IT IS EXPRESSLY AGREED THAT THIS WARRANTY WILL BE IN LIEU OF ALL WARRANTIES OF FITNESS AND IN LIEU OF THE WARRANTY OF MERCHANTABILITY.

Compliance with local laws and regulations

The customer is responsible for applying for and obtaining the necessary regulatory approvals or other authorisations necessary to run or use the Product in its local environment. VWR will not be held liable for any related omission or for not obtaining the required approval or authorisation, unless any refusal is due to a defect of the product.

Equipment disposal



This equipment is marked with the crossed out wheeled bin symbol to indicate that this equipment must not be disposed of with unsorted waste.

Instead it's your responsibility to correctly dispose of your equipment at lifecycle -end by handling it over to an authorized facility for separate collection and recycling. It's also your responsibility to decontaminate the equipment in case of biological, chemical and/or radiological contamination, so as to protect from health hazards the persons involved in the disposal and recycling of the equipment.

For more information about where you can drop off your waste of equipment, please contact your local dealer from whom you originally purchased this equipment.

By doing so, you will help to conserve natural and environmental resources and you will ensure that your equipment is recycled in a manner that protects human health.

Thank you.

For professional use only.

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