

Labnet Revolver™ Rotator

Instruction Manual

Catalog Numbers:

H5600

H5600-230V-EU

H5600-230V-UK



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1.0 Symbols and Conventions



The electrical warning indicates the presence of a potential hazard which could result in electrical shock.



CAUTION: This symbol refers you to important operating and maintenance (servicing) instructions within this Instruction Manual. Failure to heed this information may present a risk of damage or injury to persons or equipment.



This symbol identifies a Protective Earth (PE) terminal, which is provided for connection of the supply system's protective earth (green or green/yellow) conductor.

2.0 Safety Information

NOTE: Misuse or unauthorized modifications may void the warranty. If this equipment is used in a manner not specified by the manufacturer, the protection provided by the equipment may be impaired.



WARNINGS:

- Do not use the rotator near water sources. Be sure that water does not get on the device, especially during cleaning procedures.
- Do not expose the rotator to aggressive solvents.
- Hazardous samples should be mixed only in appropriate containment vessels.
- Do not mix flammable or explosive samples.

3.0 Technical Specifications

| | |
|------------------------|---|
| Motion | Rotating |
| Accessories Included | Rotisserie for 36 x 1.5/2.0 mL tubes (Cat. No. H5600-02) |
| Speed | |
| H5600 | 18 rpm |
| H5600-230V | 20 rpm |
| Dimensions (W x D x H) | 9.4 x 5 x 6 in. (23.9 x 12.7 x 15.24 cm) |
| Weight | 4.4 lbs. (2.0 kg) |
| Electrical | |
| H5600 | 120V~, 60 Hz, 0.04A, 3.6W |
| H5600-230V | 230V~, 50/60 Hz, 0.02A, 4W |
| Temperature Range | 5°C to 40°C (up to 80% RH at 31°C, decreasing linearly to 50% RH at 40°C) |
| Protection Class | IP21 |

The Labnet Revolver™ Rotator is designed to be safe at least when operated under the following conditions:

- Indoor use only
- Altitude up to 2,000 meters
- Pollution degree 2

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. The equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the user manual, may cause harmful interference to radio communications. Operation of equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference.



CAUTION: This equipment is not intended for use in residential environments and may not provide adequate protection to radio reception in such environments.

This ISM device complies with Canadian ICES-001.

Cet appareil ISM est conforme à la norme NMB-001 du Canada.

4.0 Installation

4.1 Unpacking

Before starting the installation, carefully examine the rotator.

- ▶ Open the box and carefully remove the padding. Check to see that the rotator has not been damaged during transportation. Keep the packing material until you are sure the rotator works properly.
- ▶ Make sure that rotisserie for 36 x 1.5/2.0 mL tubes is included.
- ▶ Carefully lift the unit from the box.
- ▶ Be sure that the following information is included on the label located on the bottom of the unit: Serial number, product number, electrical rating.
- ▶ Check that the power cord has the correct configuration that matches the outlet according to your local standards.

NOTE: If any damage occurred during transportation, contact your carrier immediately.

4.2 Installation

Place the rotator on a stable, flat surface. Connect the plug into the grounded wall socket. Avoid sockets where powerful electric motors, refrigerators, and similar devices are also connected.

Use the On/Off switch to control the rotator.



- ▶ Be careful when you plug the cord into the grounded wall socket.
- ▶ Do not touch the plug with wet hands.
- ▶ Do not pull the plug by the cord.

5.0 Loading the Rotisserie

The 36 x 1.5/2.0 mL tube rotisserie supplied with unit consists of two rotisserie plates attached to an axle that mounts into the motor drive of the apparatus. The rotisserie plates from the other assemblies are interchangeable on the axles, so you can mix and match the plates and process different tube sizes at one time. Individual rotisserie plates can be adjusted independently for two distinct types of motion for each plate at the same time.

When removing and installing the rotisserie plates from the axle, always remove the axle from the units first. Otherwise damage may occur to the axle or the unit. Mount the rotisserie assembly into the unit by inserting one end of the axle into the drive mechanism and the other end into the bushing under the small green handle. The metal frame of the unit is flexible to allow inserting the rotisserie without tools.

Be sure to distribute the tubes evenly across the entire rotisserie carrier for smooth rotating motion.

Tumbling



To create a tumbling motion for your samples, turn the rotisserie plates so the samples are in a vertical mixing position.

Gentle Mixing



To create a gentle mixing motion for your samples, turn the rotisserie plates so the samples are in a horizontal mixing position.

Combination Mixing



To create a combination of mixing styles, turn each rotisserie plate to the desired angle to achieve two different agitation levels.

6.0 Cleaning and Maintenance

No routine maintenance or lubrication is required. Keeping the rotator clean will help to maintain it in proper operating condition.

6.1 Cleaning

The outside housing can be cleaned with a soft, damp cloth when needed.

NOTE: Before cleaning the rotator, always unplug the power cord. Do not use any aggressive or abrasive cleaners (acetone, nitro, polish, etc.). This may permanently damage the rotator finish.

7.0 Accessories

| Cat. No. | Description |
|----------|--|
| H5600-02 | Rotisserie for 36 x 1.5/2.0 mL tubes |
| H5600-15 | Rotisserie for 10 x 15 mL tubes or 12 x 5/7 mL tubes |
| H5600-50 | Rotisserie for 6 x 50 mL tubes |

8.0 Limited Warranty

Corning Incorporated (Corning) warrants that this product will be free from defects in material and workmanship for a period of one (1) year from date of purchase. CORNING DISCLAIMS ALL OTHER WARRANTIES WHETHER EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE. Corning's sole obligation shall be to repair or replace, at its option, any product or part thereof that proves defective in material or workmanship within the warranty period, provided the purchaser notifies Corning of any such defect. Corning is not liable for any incidental or consequential damages, commercial loss or any other damages from the use of this product.

This warranty is valid only if the product is used for its intended purpose and within the guidelines specified in the supplied 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 motor brushes, fuses, light bulbs, batteries or damage to paint or finish. Claims for transit damage should be filed with the transportation carrier.

In the event this product fails within the specified period of time because of a defect in material or workmanship, contact Corning Customer Service at: USA/Canada 1.800.492.1110, outside the U.S. +1.978.442.2200, visit www.corning.com/lifesciences, or contact your local support office.

Corning's Customer Service team will help arrange local service where available or coordinate a return authorization number and shipping instructions. Products received without proper authorization will be returned. All items returned for service should be sent postage prepaid in the original packaging or other suitable carton, padded to avoid damage. Corning will not be responsible for damage incurred by improper packaging. Corning may elect for onsite service for larger equipment.

Some states do not allow limitation on the length of implied warranties or the exclusion or limitation of incidental or consequential damages. This warranty gives you specific legal rights. You may have other rights which vary from state to state.

No individual may accept for, or on behalf of Corning, any other obligation of liability, or extend the period of this warranty.

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

Serial No. _____ Date Purchased _____

Model No. _____ Supplier _____

9.0 Equipment Disposal



According to Directive 2012/19/EU of the European Parliament and of the Council of 4 July 2012 on waste electrical and electronic equipment (WEEE), this product is marked with the crossed-out wheeled bin and must not be disposed of with domestic waste.

Consequently, the buyer shall follow the instructions for reuse and recycling of waste electronic and electrical equipment (WEEE) provided with the products and available at www.corning.com/weee.

To request certificates, please contact us at www.labnetlink.com.

Warranty/Disclaimer: Unless otherwise specified, all products are for research use or general laboratory use only.* Not intended for use in diagnostic or therapeutic procedures. Not for use in humans. These products are not intended to mitigate the presence of microorganisms on surfaces or in the environment, where such organisms can be deleterious to humans or the environment. Corning Life Sciences makes no claims regarding the performance of these products for clinical or diagnostic applications. *For a listing of US medical devices, regulatory classifications or specific information on claims, visit www.corning.com/resources.

Corning's products are not specifically designed and tested for diagnostic testing. Many Corning products, though not specific for diagnostic testing, can be used in the workflow and preparation of the test at the customers discretion. Customers may use these products to support their claims. We cannot make any claims or statements that our products are approved for diagnostic testing either directly or indirectly. The customer is responsible for any testing, validation, and/or regulatory submissions that may be required to support the safety and efficacy of their intended application.

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