

Corning® PC-611 Stirrer

CORNING

Instruction Manual

Catalog Numbers:

6795-611

6796-611

6798-611



UK
CA CE

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1.0 Safety Information

This instruction manual contains important operating and maintenance instructions that must be read, understood, and followed by the product user. Failure to use this product according to this instruction manual may degrade or defeat the protection normally provided by this product. Read this instruction manual prior to product use and keep this instruction manual for future reference.

Product Voltages

Hot plates, stirrers, and stirring hot plates are available in different voltages. Before initial use, check that the unit you received is the correct voltage for your location.

Symbols and Conventions



CAUTION: Risk of Danger: Cautions there is material in the instruction manual which must be read, understood, and followed in order to preserve product safety features.



Protective earth; protective ground.

Safety Precautions



Personal Injury

- ▶ If the equipment is used in a manner not specified by this manual, the equipment may become unsafe to operate, could harm the user or the device, and may void the warranty.
- ▶ This product is designed for use in laboratory environments by persons knowledgeable in safe laboratory practices.
- ▶ Always wear safety glasses and other appropriate protective equipment when operating this product.

Electric Shock

- ▶ This product must be connected to a grounded power outlet for safe functioning.
- ▶ Use only the power cord supplied with the product.
- ▶ Position the product for use so the power cord can be easily disconnected without having to move the product.
- ▶ Disconnect the power cord before moving or cleaning the unit.



Product Damage

- ▶ Keep top surface clean.
- ▶ Do not immerse unit for cleaning. Wipe down with a damp cloth.
- ▶ Do not modify ground power plug. Use only properly grounded outlets to avoid shock hazard.
- ▶ Use appropriate hand and eye protection when handling hazardous chemicals. Gross weight of items placed on top of the stirrer should not exceed 100 lbs. Use proper lifting techniques when transferring vessels to and from the stirrer.
- ▶ Personal injury or product damage may result if the stirrer is modified in any way.
- ▶ These units are not explosion- or spark-proof.
- ▶ Do not stir volatile or flammable materials.
- ▶ Do not operate this product near volatile or flammable materials.
- ▶ Do not modify the stirrer electrically or mechanically without Corning's written approval.
- ▶ Use only with heavy wall (min. 2.5 mm thickness) vessels. If used with non-heavy vessels (less than 2.5 mm thickness) breakage may occur as a result of the stir bar decoupling.

2.0 Operating Conditions

Corning® PC-611 stirrer is designed to be safe when used under the following conditions:

- ▶ Product should be placed on a flat surface at least 12 in. (30.5 cm) from walls, 48 in. (122 cm) from ceilings, and 12 in. (30.5 cm) from other stirrers if using multiple units
- ▶ Indoor use
- ▶ Pollution Degree 2
- ▶ Altitude up to 2,000 meters
- ▶ Ambient temperatures of 5°C to 40°C
- ▶ Ambient humidity of ≤80% at 31°C, decreasing linearly to 50% relative humidity at 40°C
- ▶ Installation Category II
- ▶ Protection Class IP21
- ▶ Main supply voltage fluctuations not to exceed ±10% of the nominal voltage

3.0 Maintenance

- ▶ Disconnect the power by unplugging the unit before performing any maintenance or service.
- ▶ Always use a grounded power outlet.
- ▶ Clean spills promptly.
- ▶ Do not immerse the unit for cleaning.
- ▶ Look for damage to the power cord. If the cord is damaged, replace it immediately.

4.0 Stirring Instructions

To operate the unit, turn the dial until the dial indicator lines up with the desired dial setting. The PC-611 will not stir when the dial setting is turned to the “0” position.

5.0 Technical Specifications

Electrical Requirements	100-240V~, 50-60Hz, 20W, 0.833A
Fuse Rating	250V, 1A
Speed Range	100 to 1,500 rpm
Stirring Capacity	Designed for 5 gallon (19L) vessels, and can stir up to 10 gallons (38L)
Surface Material	ABS plastic
Surface Dimensions (L x H)	11 x 11 in. (27.9 x 27.9 cm)
Overall Dimensions (W x L x H)	13.0 x 3.1 x 4.3 in. (33.0 x 38.0 x 11.0 cm)
Weight	6.2 lbs. (2.8 kg)

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.

6.0 Accessories

Cat. No.	Description
409000	PC-611 stir bar

7.0 Limited Warranty

Corning Incorporated (Corning) warrants that this product will be free from defects in material and workmanship for a period of two (2) years 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 Customer Service 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 model number, serial number, date of purchase, and supplier here.

Model No. _____ Date Purchased _____
Serial No. _____ Supplier _____

8.0 Equipment Disposal



According to Directive 2012/19/EU of the European Parliament and Council of 4th July 2012 on waste and electronic equipment (WEEE) as amended, 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 the following link: www.corning.com/weee.

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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