



User Manual

neoLab-Vortexer adjustable Speed Item N°. D-6012

Users should read this manual carefully, follow the instructions and procedures, and be aware of the dangers while using this instrument.

Safety Instructions:

Warning!

- Read the operating instructions carefully before use the instrument
- Ensure that only trained staff work with the instrument

Protective ground contact!

- Make sure that socket must be earthed (protective ground contact) before use
- When work, wear suitable protective clothing to avoid the risk from:
 - Splashing of liquids
 - Mechanical vibration may lead to glass breakage
 - Keep medium vessels vertical as much as possible
 - Do not operate the instrument in explosive atmospheres with hazardous substances or under water.
 - Put the speed control knob to the lowest position

Reduce the speed if:

- The instrument is not running smoothly or moves on the stage

Beware of hazards due to:

- Flammable materials or media with a low boiling temperature
- Overfilling of media
- Unsafe container
- Process pathogenic materials only in closed vessels.

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- Check the instrument and accessories before hand for damage each time you use them. Do not use damaged components. Accessories must be securely attached to the device and cannot come off by themselves. Always disconnect the plug before fitting accessories.

The instrument can only be disconnected from the main power supply by pulling out the mains plug or the connector plug.

- The voltage stated on the label must correspond to the main power supply.
- The instrument may only be opened by experts.
- Keep away from high magnetic field.
- Observe the minimum distances between the devices, between the device and the wall and above the assembly (min. 100 mm).

Proper use:

The instrument is designed for mixing liquids in schools, laboratories or factories. This device is not suitable for using in residential areas or other constraints mentioned in Chapter 1.

Inspection:

Unpack the equipment carefully and check for any damages which may have arisen during transport. If it happens, please contact neolab for technical support.

Trial run:

- Make sure the required operating voltage and power supply voltage match.
- Ensure the socket must be earthed reliably.
- Ensure the power be off
- Plug in the power cable
- Ensure the two-direction switch must be in the middle (off state) before powering on

If these operations above are normal, the device is ready to operate. If these operations are not normal, the device may be damaged during transportation, please contact neolab for technical support.

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Continuous Operation:

- Push the two-direction switch leftward to ON and power LED is lit. Then the instrument begins to work.
- Turn the speed control knob to set the rated speed
- If use the Nonstandard accessories, please ensure the speed in indicating range
- Push the two-direction switch rightwards gently to OFF and LED power is closed and the instrument is turned off.

Touch Operation:

- Ensure the speed control knob to the lowest position. Put the instrument on a solid and safe place and plug in the main power
- Push the two-direction switch rightward to the touch mode
- Turn the speed control knob to set the rated speed
- If a test tube is pressed into mixing head vertically, the instrument will begin to work and the power LED will be lit.
- Push the two-direction switch leftward gently to OFF and the instrument is turned off

Faults:

- If a unit fault happens, please power down the instrument

If these faults are not resolved, please send the instrument back

Maintenance and Cleaning:

- Proper maintenance can keep instruments working in a good state and lengthen its lifetime.
- Be careful not spray the cleanser into the instrument when cleaning.
- Unplug the power line when cleaning,
- Only use neutral cleanse

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Technical data:

- Voltage: 220-230
- Frequency Hz: 50/60
- Power: 60 W
- Dimensions (mm): 127 x 130 x 160
- Permitted ambient temp. 5-40 C
- Motor type: Shaded-pole motor
- Motor rating input: 58 W
- Motor rating output: 10 W
- Speed range [rpm]: 0-2500
- Speed display: Scale
- Orbital diameter: 4 mm
- Run type: continuous/touch operation
- Weight: 3,5 kg

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