



Mini Vortex Mixer

SA6

Instructions for use

Manuel d'utilisation

Istruzioni per l'uso

Instrucciones de funcionamiento

Bedienungsanweisung



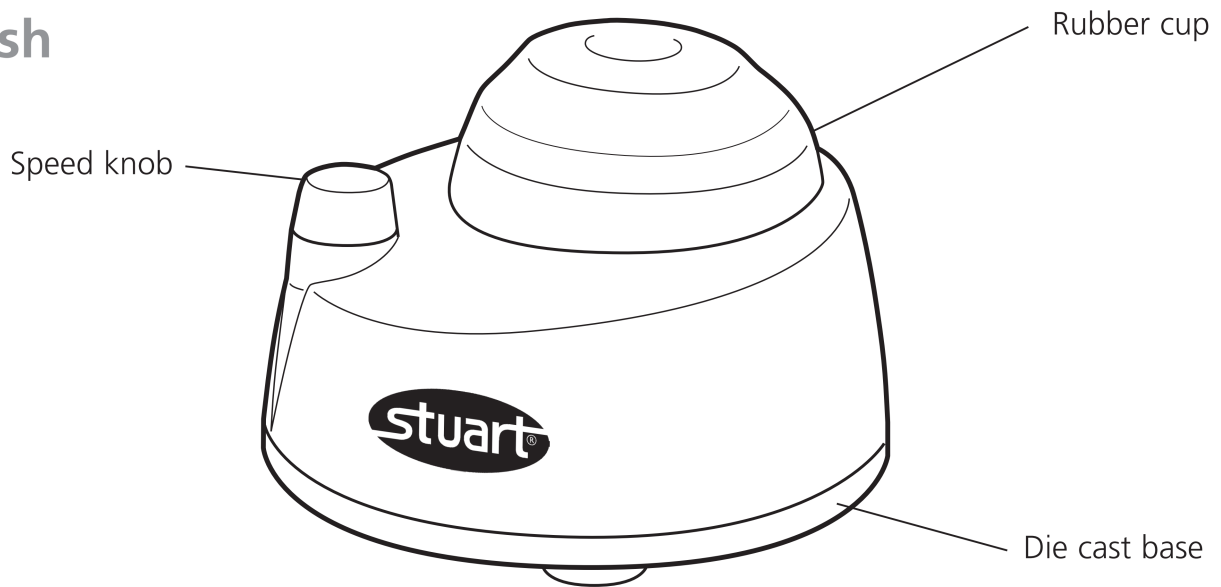


Figure 1: SA6 Variable Speed Vortex Mixer

Thank you for purchasing this Bibby Scientific product. To get the best performance from the equipment, and for your personal safety, please read these instructions carefully before use.

This equipment is designed to operate under the following conditions:

- ❖ For indoor use only
- ❖ Use in a well ventilated area
- ❖ Ambient temperature range +5°C to +40°C
- ❖ Altitude to 2000m
- ❖ Relative humidity not exceeding 80%
- ❖ Mains supply fluctuations not exceeding 10%
- ❖ Over-voltage category II IEC60364-4-443
- ❖ Pollution degree 2 IEC664.
- ❖ Use with a minimum distance all round of 200mm from walls or other items.

If the equipment is not used in the manner described in this manual, the protection provided by the equipment may be impaired.

Electrical Installation



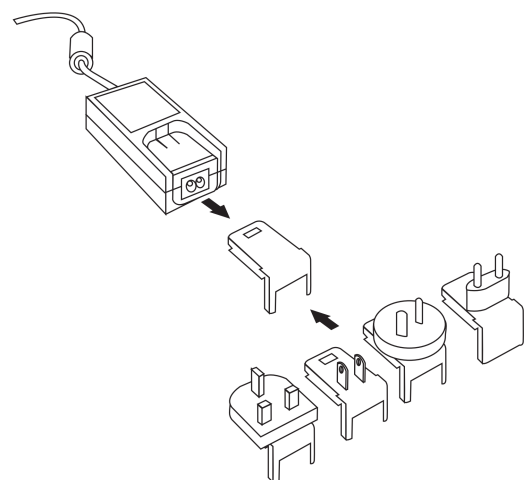
THIS EQUIPMENT MUST BE EARTHED

Before connection please ensure that the line supply corresponds to that shown on the rating label.

Power requirements:

Model	Wattage
SA6	14W

Select the correct plug attachment and attach to the power supply unit as shown below. Plug the power supply plug into the mains supply socket.



IF IN DOUBT CONSULT A QUALIFIED ELECTRICIAN

Safety Advice Before Use

For your own safety and the safety of the mixer please read the following safety instructions before using the Mini Vortex Mixer.

- ❖ Gently take the Mini Vortex Mixer out of the packaging and place it on a flat, stable, clean, non-slippery surface.
- ❖ Do not lift or hold the device by the cable.
- ❖ Never move or carry the unit when in use or connected to the mains electricity supply.
- ❖ The Mini Vortex Mixer should be used for the specified application only. It must not be operated in a hazardous or flammable environment and must not be used to mix explosive or highly reactive material.
- ❖ Overfilling of liquid may cause the medium to spill out. You should therefore always use covered test tubes.
- ❖ **CAUTION!** The equipment will restart, both in the case of mains interruption and in the case of any fault or mechanical interruption. Care should be taken based on the sample used for mixing.
- ❖ For best results only use to mix tubes up to 30mm diameter.

Operation

Position the apparatus on a firm level surface. Operation starts automatically when the soft rubber cup is pressed down by the test tube, and stops once the test tube is removed. Before use ensure that the speed control knob is turned fully anti-clockwise. Rotate speed knob to increase or decrease the speed between 2500-4500rpm. Rotate clockwise to increase the speed and anti-clockwise to decrease the speed.

Maintenance, Cleaning & Servicing



WARNING: Ensure the unit is disconnected from the mains electricity supply before attempting maintenance or servicing.

The whole unit should be cleaned regularly with a soft, damp cloth and mild detergent solution. Do not use harsh or abrasive cleaning agents. Excessive amounts of liquid should be avoided. Liquid should not come in contact with the motor.

After cleaning, ensure that all parts are dried.

Do not use the unit if it shows signs of mechanical or electrical damage. Do not use the equipment if the rubber cup or suction cup are damaged.

The brushless motor in the Mini Vortex Mixer does not require any routine maintenance.

Any required servicing should be performed by authorised, qualified personnel only.

The following spares are available from your laboratory dealer:

Description	Catalogue Number
Spare Rubber Cup	SA6/1

For a comprehensive list of parts required by service engineers conducting internal repairs and a service manual, please contact the Technical Service Department of Bibby Scientific Ltd. quoting both the model and serial number.

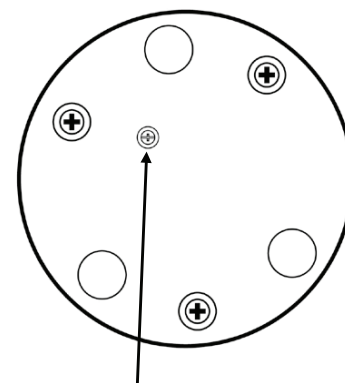
Only spare parts supplied or specified by Bibby Scientific Ltd. or its agents should be used. Fitting of non-approved parts may affect the performance and safety features designed into the instrument.

If in any doubt, please contact the Technical Service Department of Bibby Scientific Ltd. or the point of sale:

Bibby Scientific Ltd.
Stone, Staffordshire, ST15 0SA
United Kingdom
Tel: +44 (0)844 936 0234
Fax: +44 (0)844 936 0235
E-mail: info@bibby-scientific.com
www.bibby-scientific.com

Troubleshooting

Vortex action	Problem	Solution
Partially working (stops in between).	Small bottom screw might have loosened.	Tighten the small bottom screw a little (½ or 1 turn max.).
Not working at all (completely stopped).	Small bottom screw might have become loose.	Tighten the small screw on bottom screw a little (1 or 2 turns max.).
Continuously working (running without being pressed).	Small bottom screw might have been overtightened.	Loosen the small bottom screw a bit (1 or 2 turns max.).



Note: Please contact your recognised Bibby Scientific service representative if you continue to experience issues with your Stuart Mini Vortex Mixer.

Warranty

Bibby Scientific Ltd warrants this instrument to be free from defects in material and workmanship, when used under normal laboratory conditions, for a period of three (3) years. In the event of a justified claim Bibby Scientific will replace any defective component or replace the unit free of charge.

This warranty does NOT apply if damage is caused by fire, accident, misuse, neglect, incorrect adjustment or repair, damage caused by incorrect installation, adaptation, modification, fitting of non approved parts or repair by unauthorised personnel.