

OPERATING INSTRUCTIONS FOR VWR GALAXY MINIStar

General Information:

The Galaxy MiniStar personal centrifuge is supplied with two rotors. The tube rotor accommodates 8 x 1.5/2.0ml plastic microcentrifuge tubes. The strip rotor accepts four 8 x 0.2ml tube strips or 32 individual 0.2ml tubes. The eight place rotor will also accept 0.5ml tubes with the supplied adapters. Adapters are available separately for 0.4 and 0.2ml tubes. The Galaxy MiniStar is designed for applications requiring relatively low g-forces, such as microfiltration, cell separation and quick spin downs from the walls and caps of tubes. Please read this manual thoroughly before attempting to operate the centrifuge.

Exchanging Rotors:

Rotors are easily exchanged using the allen wrench provided. Locate the set screw on the rotor shaft below the rotor head. Using the wrench, loosen the set screw and pull up on the rotor to remove. Place the new rotor into position on the motor shaft. Take care not to press the rotor down so far as to compress the rubber collar at the base of the shaft. Tighten the screw using the allen wrench until finger tight. Do not overtighten as this will cause damage to the rotor and the motor shaft.

Operation:

Before operating the centrifuge, be sure that the power switch is in the "on" position. To begin a run, simply close the lid of the centrifuge. No other controls are required. To stop rotation, press the stop button on the front of the unit. This will release the lid lock and the rotor will slow gradually to a complete stop. Caution: Do not attempt to open the lid or remove samples until the unit has come to a complete stop. After the rotor has stopped, the lid may be opened by grabbing it with the thumb on the front and fingers on the back then lifting the lid back on the hinge.

Safe operation of the centrifuge requires that the rotor be loaded in a balanced fashion. Failure to load the rotor properly presents a hazardous condition and may damage the centrifuge. Individual tubes, strip tubes and/or adapters must always be loaded symmetrically to ensure proper balance. Never run the centrifuge with only one strip or tube in place.

Safety Precautions:

- NEVER** use the centrifuge in any manner not specified in these instructions.
- NEVER** operate the centrifuge without a rotor properly attached to the shaft.
- NEVER** fill tubes while they are in the rotor. Liquid spillage may harm the unit.
- NEVER** put hands in the rotor area unless the rotor is completely stopped.
- NEVER** move the centrifuge while the rotor is spinning.
- NEVER** use solvents or flammables near this or other electrical equipment.
- NEVER** centrifuge flammable, explosive or corrosive materials
- NEVER** centrifuge hazardous materials outside of a hood or proper containment facility
- ALWAYS** load the rotor symmetrically. Each tube should be counterbalanced by another tube. Weight of individual tubes may not exceed of 3.0g.
- ALWAYS** locate the centrifuge within easy access to an electrical outlet.
- ALWAYS** use only microcentrifuge tubes made from plastic and designed to withstand centrifugal forces of at least 2,000 xg.

Cleaning:

Before using any cleaning or decontamination methods except those recommended by the manufacturer, check with the manufacturer that the proposed method will not damage the equipment. To clean the centrifuge, use a damp cloth and a mild, noncorrosive detergent (ph <8). After cleaning, ensure all parts are dried thoroughly before attempting to operate the unit. Do not immerse the centrifuge in liquid or pour liquids over it.

Questions and Service:

Should you have a question about the centrifuge or require service for the unit, please contact your VWR International representative. Do not send in a unit for service without first calling to obtain a repair authorization number and a decontamination form. Should the centrifuge require service, be sure to decontaminate it and enclose the decontamination form. The unit should be properly packed to avoid damage. Any damage resulting from improper packaging shall be the responsibility of the user.

Specifications:

Dimensions..... 13.2 x 15.5 x 11 cm
Electrical 120 or 230V, 50/60 Hz
Fuse 0.5A, 250V (F)
Max Speed 6000rpm
Max RCF 2000 xg

Spare Parts:

8 place rotor: 93000-200
Strip tube rotor: 93000-202



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