

User Instructions



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Glas-Col High Speed Homogenizer Variable Speed

Model:	099C K54	2.5 Amps; 120 Volts, 50/60 Hz.
	099C K5424	2.5 Amps; 240 Volts, 50/60 Hz.
	099C K64	4 Amps; 120 Volts, 50/60 Hz.
	099C K6424	4 Amps; 240 Volts, 50/60 Hz.



Parts shipped:

Control
Motor Assembly
Chuck/Arbor assembly
Lab mounting bracket
Allen wrench

Specifications:

Input Voltage:	120 or 240 VAC +/-10% (depending on model) 50 to 60 Hz. +/-5%
Ambient Temperature:	77°F/25°C +/-5°C
Operating Environment:	0 to 90% relative humidity 32° to 100°F / 0° to 37°C Non-Condensing
Speed:	099C K54 & 099C K5424 0 to 333 rpm low speed shaft 0 to 4000 rpm high speed shaft 099C K64 & 099C K6424 100 to 11,500 rpm

Operation:

Connect the cord from the control to the motor. This plug is polarized so that it can only be plugged in one way. Make sure the power switch is in the OFF position and the motor speed knob is fully counter clockwise snapped to the off position. Plug the control power cord into a properly grounded and polarized receptacle. Depress power switch and turn the motor speed knob clockwise to set the motor speed. The speed dial numbers represent a linear relationship with motor speed, so that a setting of 50 is approximately ½ of the maximum speed.

For the 099C K54 and 099C K5424, the high speed shaft is rated to 4000 RPM (.26lb-in. torque); low speed shaft rated to 333 rpm (3.6lb-in. torque). **Note: Simply rotate the motor and change the chuck to the other end the change speeds.**

Stirrer is attached to a lab stand via the lab clamp.

Control Features:

1. *SPEED POSITION KNOB*: This allows for speed adjustment of the K series drive. Power on/off lighted rocker switch.
2. *FORWARD/REVERSE SWITCH*: For direction of motor.
3. *FUSE*: The stirrer circuit is protected against overloads with a fuse.
4. *OUTPUT SOCKET*: Socket for connection for motor to control.

Always use proper safety equipment when stirring, for example, gloves, glasses, etc. Read and follow instructions that are supplied with your stirrer drive.

When reversing the motor direction, let the motor stop before changing direction.

Your homogenizer may be used as a general purpose stirrer. As a general rule, use the slower speeds whenever possible for the work to be done. Limit your use of the highspeed shaft to small propellers and low viscosity fluids. Large paddles will overload the motor, even running in water, if you use it at maximum speed on the high speed shaft.

Caution:

For the 099C K54 and 099C K5424, the fuse is rated at 2-1/2 amps. For the 099C K64 and 099C K6424, the fuse is rated at 4 amps. These fuses will not necessarily protect the motor or the controller against prolonged, moderate overloads. **Do not fuse with anything heavier than the rated fuse.**

Use of a stirrer for an alternate purpose or alteration of stirrer construction features such as electrical connecting devices, may cause unsatisfactory performance and the warranty to be voided.

Your homogenizer drive requires very little maintenance. Keep it clean and avoid spills. Inspect the motor brushed occasionally (with the power cord disconnected) to make sure they have not worn excessively. Do not use if electrical cords are worn or frayed.

Spare Parts

Spare parts for Glas-Col stirrers are generally available from the factory. Consult Glas-Col for part numbers and pricing.

Limited Warranty:

Glas-Col warrants products of its manufacture to be free from defects in material and workmanship for one year and agrees to repair or replace without charge any products found defective upon examination at the factory. With proper care and operation, Glas-Col products will give long and efficient service. Chemical spillage, overheating, overloading and general misuse will greatly reduce the service life. Glas-Col is not responsible for damage to apparatus due to improper installation or through attempts to operate the apparatus beyond its rated capacity, intentional or otherwise. Normally expendable parts are not covered by this warranty.

In the event of an incident due to a defective replacement component, Glas-Col will accept responsibility only if the component was defective from the outset. Glas-Col reserves the right to deny responsibility for the incident if the user fails to comply with any instructions provided by using spare parts, which are not guaranteed. Glas-Col reserves the right to update, and or change designs with no prior notification.

APART FROM SUCH WRITTEN STATEMENT OF WARRANTY, THERE ARE NO WARRANTIES, EXPRESSED, IMPLIED OR STATUTORY WHICH EXTEND BEYOND THE DESCRIPTION OF THE PRODUCTS ON THE FACE HEREOF.

Glas-Col products are intended only for legal and legitimate purposes in commercial, laboratory and industrial settings.

Glas-Col reserves the right to make product refinements without prior notice.

Returns:

Call or fax Customer Service for a Return Goods Authorization (RMA) number before returning a product.

Reference the RMA number on the shipping box and on a written description of the problem.

A 20% restock charge of the net price is charged for all standard product returned to stock.

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