

# **user instructions**



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## **TEST TUBE RACK HOLDER MODEL RD50**

The RD-50 is designed to hold a rack of stoppered test tubes for rotating on any Glas-Col Rugged Rotator. It will hold racks up to 12" x 5" (305mm x 127mm), with tubes 75- 200mm tall. Other stoppered or capped vessels such as Erlenmeyer flasks, bottles and jars may be rotated in the RD-50.

To install, loosen the locking lever of the rotator and tilt the motor so the shaft points up about 45 degrees, tighten the locking lever. Slide the support bracket on the rear of the RD-50 over the rotator drive shaft. There is a pin in the drive bar near the motor drive shaft. Insure this pin is firmly seated in the adjacent hole of the support bracket. Secure the head to the rotator with the triangular knob through the front of the head into the drive shaft.

The holder is easiest to load when in an upright position. Center a rack of tubes in the holder and tighten the two knurled nuts until the top restraining plate firmly holds the rack in place. For very short tubes, it may be necessary to remove one of the springs on each threaded rod. If these springs are later replaced, be sure to use the nylon washers to separate the springs. The threaded rods may be cut to the desired length if shorter tubes are used exclusively.

The triangular knob on the rear support plate allow the rack to slide up or down on the support bracket. This should be used to balance the load in relation to the motor shaft. A good balance will result in smoother operation and longer motor life.

Before operating, be sure the rotating head will clear the lab bench or any other obstructions. The threaded rods may be cut to the desired length if shorter tubes are to be used exclusively.

Regular scheduled maintenance on the rack is not necessary. On occasion and when necessary, an occasional drop of light oil at the points of rotation between the holder and support rod will reduce wear. Also, a very light film of oil on the threaded rods will make operation easier. The rack should be protected from spills, mechanical damage and corrosive atmospheres so far as possible. Any spills should be cleaned quickly and any damage should be repaired immediately. It is not necessary to keep spare parts for your rack. If the plastic or foam parts wear or are melted by solvent spills, they should be replaced with the part numbers listed below:

Threaded Rod .....	099B R34 132
Triangular Knob .....	099B R60 172
Foam pad for Restraining Plate .....	099B R66 108
Knurled Nut .....	099B R88 146

### **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.

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.

### **Returns:**

For returns, call or fax Customer Service for a Return Merchandise Authorization (RMA) number before returning a product.

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

A 20% restocking charge applies for current models of standard products returned for stock upon receiving inspection.

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