

User Instructions

Instruction Notes for Rotator

The Glas-Col rugged rotator is a small bench top rotator designed to hold various types of laboratory glassware. The rotator has variable speed drive and is adjustable from 0 to 83 revolutions per minute. A closely balanced load will produce the most uniform rotation.

There are several different types of heads and holders available for a variety of laboratory glassware.

Visit our website for rotator heads.

Rotator Setup

Unpack the rotator and set it on the bench where desired. The cord-attached controller can be positioned next to the rotator on the bench top or away from the rotator if the unit is to be used in an enclosure such as a fume hood.

Plug the power cord from the controller into a grounded 120 volt outlet. The power switch, fuse and speed dial are all located on the front of the controller.

The rotator is furnished with a test tube holder for holding tubes 10 mm to 30 mm in diameter. Thirty small test tubes 10 to 18 mm in diameter and up to 125 mm long can be held by attaching the smaller clips to the holder. Fifteen large test tubes 20 to 30 mm in diameter can be held by attaching the larger clips to the holder. Large test tubes 20 to 30 mm in diameter can be held by attaching the larger clips to the holder. Large and small clips can be attached to hold both large and small tubes simultaneously.



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Attaching Clips to Disk

The friction drive test tube head is shipped without clips attached to the disk to allow the user to attach whichever clip size is needed for the application. To attach the clips to the disk, see Figure 1. By using a nut-driver or wrench to hold the nut on the backside of the disk, the screw can be tightened to achieve proper tension to securely hold the test tube. When using the small clips, tighten the screw to achieve a distance of 1/8", see Figure 2. This tension will accept a tube from 10mm to 18mm in diameter. The large clip is attached in the same manner as mentioned above; however, due to the size of the clip, every other hole in the disk must be used. The larger clip will accept a tube from 20 to 30mm in diameter at its pretension adjustment.

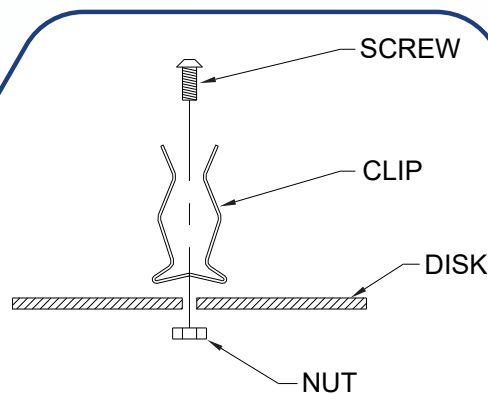


FIG. 1

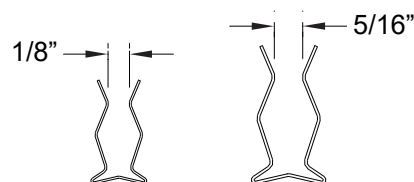


FIG. 2

Attaching Disk to Rotator

Loosen the knobs on each side of the rotator and position the motor housing so the motor shaft is pointing upward. Re-tighten knobs.

Slide the aluminum disk over the drive bar, then align pin into small hole in disk. Slide the nylon spacer over the aluminum drive bar, then flat washer and then tri-pointed knob. Tighten knob so there is no back and forth movement of the nylon spacer.

Loosen the knob on each side of the rotator and tilt the housing to the desired angle for rotating the tubes and then re-tighten both knobs.



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Placing Tubes in Clips

Tubes can be inserted or removed by one of two methods. Tubes can be slid radially from the side of the clip. This method is preferable because the tube is less likely to break. As the diameter of the tube increases, inserting them using this method requires a bit more effort. It may be necessary to loosen the screw slightly to allow the larger tubes to slide through easier yet maintain proper tension to hold the tube in place. Tubes can also be inserted from the top, and removed in the same way.

NOTE: EXERCISE CAUTION WITH ALL GLASSWARE WHEN INSERTING INTO THE CLIPS.

Operating the Unit

Make sure that all of the glassware is secure and will clear the workbench before turning the speed control to the desired setting. Flip the switch to the ON position with the motor speed control set to the lowest possible setting. Observe the rotator make one revolution at a very slow speed. Once satisfied that the vessels clear the workbench and any other adjacent obstructions, set the motor speed to the desired setting.

NOTE: Don not turn the main power switch "ON" with the motor speed setting set to any percentage higher than 0 percent as this could result in damage to the control.

Limited Warranty

Please refer to the current Glas-Col warranty policy on the Glas-Col website at www.glascol.com.

Returns

For returns, please refer to our Sales Policy on the Glas-Col website at www.glascol.com.