

Model #
Serial #

Instructions for Installation and Operation of GARVER VISISCOPE Speed Indicator

The GARVER VISISCOPE is a stroboscopic device that depends upon the light from a fluorescent lamp for its effect. For best results, a fluorescent light should be placed overhead of the centrifuge that gives sufficient illumination for the testing operation is adequate for the VISISCOPE. Only standard fluorescent lighting will work high efficiency fluorescent lighting will not work for the VISISCOPE.

TO INSTALL VISISCOPE, unscrew the spotted disc from the ¼ inch steel shaft without removing the other parts from the shaft. Insert the shaft from below into the 7/16 inch center hole of the tester lid. Place the other end of the shaft in the brass hexagon nut of the centrifuge, with the cross pin in the slot. Some adjustment to cross pin may be needed so the pin will fit the slot. Then screw the spotted disc onto the shaft as before. If your centrifuge does not have a slotted brass nut for the rotor, it will be necessary to replace the rotor nut with the slotted brass visiscope nut. (This nut has a left hand thread, turn clockwise to loosen.)

With a fluorescent lamp shining on the VISISCOPE start the tester. At about half speed the outer dots will show clearly in color, then will rotate clockwise and disappear. At the correct speed the inside dots will become clear, stop, and then rotate fast clockwise. At this time you will be able to see the outer dots rotating counter clockwise slower than the inner dots are rotating clockwise. This indicates the tester is running at the correct speed. Under certain abnormal conditions, such as new motor, incorrect voltage, or damaged parts the RPM may vary enough to alter the apparent speed of the dots as described above. As long as the outer dots stop, rotate clockwise very slowly, or rotate counter clockwise slower than the inner dots are rotating clockwise, RPM is within range.

SPEED: ALL GARVER testers are designed to run at the accepted regulation speed.

The correct speeds for carrier used are:

836 RPM (plus or minus 25) for a 8 to 24 bottle 6" types (16 ½" diameter);
740 RPM (plus or minus 25) for a 12, 24, & 36 bottle 9" types (21" diameter);
740 RPM (plus or minus 25) for a 36 bottle 6" type (21" diameter).

THE GARVER VISISCOPE is more accurate and generally more satisfactory than any other speed-indicating device that we know. It is easy to install and easy to maintain. An occasional drop of oil on the top bearing is all the normal care required. The shaft can be lifted up far enough to permit oiling of the testers motor shaft and bearings.

GARVER MANUFACTURING, INC.
224 ½ N. Columbus St. P.O. Box 306
Union City, Indiana 47390 U.S.A.
Website: www.garvermfg.com Email: garvermfg@woh.rr.com

Models

412VS 549
424VS 559
436VS 699
556
56

Heater pilot
light

Heater
switch

Motor
switch

Thermometer

Thermo stat, Turn Clock-
wise to increase Temp.
Turn Counter Clockwise
To decrease temp.

Speed adjust.
ment switch

Brake, Push down
gently.

