

FRONT PANEL FEATURES:

1. *SPEED POSITION KNOB*: This allows adjustable speed of the vortexer drive plate from 0 to 2000 rpm.
2. (2) *POWER SWITCH'S*: On-Off-Momentary power positions.
3. *PULSER KNOB*: When turned on, this turns off the motor for a brief moment and then back on. The rate of on-off is adjustable by turning the knob. An increase in the clockwise direction increases the number of on-off cycles. Pulse rate varies from 60 to 80 pulses per minute.

SPECIFICATIONS:

Ambient Temperature:	77°F/25°C +/-5°
Operating Environment:	0 to 90% relative humidity 32 to 100°F/0 to 37°C

PULSING FEATURE:

The pulser knob can adjust the vortexing action of a liquid and periodically interrupt it. This provides an upper and lower mix as well as vortexing.

Increasing the speed may tend to throw a few drops out of the tube if they are not capped. Tube volume should not exceed one half of the overall tube height.

The motor Speed Control Knob may be left at any setting. Larger diameter tubes, bottles, or flask require a slower speed than test tubes. Start the vortexing for these a minimum speed and increase until mixing occurs.

OPTIMIZING VORTEXING ACTION:

For best vortexing action, the adjustable cartridge should be positioned so that it is near the top of the tube. This can be done by loosening the two knobs and sliding the cartridge to correct location. The versatility of this cartridge allows various heights of tubes to be used. Also make sure the tubes are recessed in the bottom cartridge before starting the vortexer.