



Operations Manual

Item: BV101-R

Vornado™ Miniature Vortex Mixer



I. Introduction:

The Ward's Vornado™ Mini Vortex Mixer is a compact, very powerful, vortex mixer designed for vortexing micro tubes of all sizes (0.4ml to 50ml). It implements dynamic balance technology to provide smooth speed control and quiet operation with low excess vibration.

II. Product Specifications

Speed:	Fixed: 2800 rpm
Operation:	TOUCH mix
Head:	Rubber cup standard for single tube mixing
Dimensions (WxDxH):	96 x 97 x 64mm
Weight:	0.4kg / 1 lb
Electrical:	100 to 240V, 50-60Hz, 0.6 amps
Operating environment:	4° C to 65° C
Warranty:	2 years

III. Product Set-Up:

Place the vortex mixer on a clean, flat, stable surface and press down slightly to allow the feet to adhere. Plug the vortex mixer into a properly grounded outlet.

IV. Product Operation:

Take the tube/vessel to be mixed and pressed downward against the head to activate the vortex mixing action. When finished mixing, lift the tube upward.

V. Care and Maintenance:

No routine maintenance is required other than to keep the unit clean. Cleaning can be done with a damp cloth. Avoid the use of solvents as they may attack the rubber cup head or the ABS plastic housing. Do not immerse the mini vortexer in liquid or subject it to temperatures outside of the recommended operating range.

VI. Troubleshooting

Unit does not turn on.	Ensure that vortexer is firmly plugged into outlet; Check voltage of outlet
Motor starts slowly	Ensure proper operating temperature

VII. Service and Contact:

In the event that service or technical support is required, please contact Ward's Science at 1-800-962-2600.

