

# Operating Instructions

## Rocking Platform Models 100 and 200



July 2003

## 1.0 General Specifications

The VWR Model 100 and Model 200 Rocking Platforms are high capacity, high reliability, rocking platforms that can be used continuously at room temperature or in cold rooms or heated chambers. The units offer a wide range of user adjustable speeds and platform tilt angles to fit virtually all rocking platform applications.

Speed range	4 to 160 tilts per minute
Tilt range; adjustable,	+/- 20 degrees
Platform Dimensions	35.6 x 27.9 cm
Clearance between platforms (Model 200)	3.5 in. / 9 cm
Maximum load (balanced)	15.4 lb. / 7 kg
Ambient operating range	+4C to 65C
Dimensions (W x D x H)	35.6 x 33 x 16.5 cm
Weight	17lb / 7.7 kg
Electrical requirements:	115V, .42A / 60Hz or 230V, .25A 50/60Hz



## 2.0 Safety Precautions:

Use of this product or modification of this product in any manner not authorized by the manufacturer may void the warranty and may cause injury to the user.

- **Do not** use this product in an explosive environment or with flammable substances
- **Do not** place objects or fingers under the rocking platform when unit is in motion
- **Do not** load the unit above its load rating or in an unbalanced manner
- **Always** wear eye protection
- **Always** use appropriate rocking speed for load. Excessive speed can cause load to come off platform.
- **Leave adequate** clearance around unit to allow platform and load to move freely
- **Connect unit** only to a properly grounded outlet of correct voltage

## 3.0 Unpacking, Installation and Mounting of Second Platform

Upon unpacking VWR Rocking Platform, inspect for damage. Shipping damage is the responsibility of the carrier. Verify that the following items are present with the rocking platform: Users manual (all models), and second platform, mat and set of four posts/hardware on Model 200 double platform units. Select a location that is level, dry and stable. Leave enough space around the rocker for normal air circulation, easy access and free movement of the platform and load. A minimum of 15 cm is suggested.

On the VWR Rocking Platform Model 200 two-platform rocker, install the second platform using the four posts and hardware supplied. Posts mount at the corners of each platform using the wing/knurl nut and

screws supplied. The wing/knurl nuts should be used under the bottom platform to leave top platform with no obstruction. Make sure all screws and nuts are tight. Plug the unit into a properly grounded outlet.



**Be careful when you plug the cord to a grounded wall socket!**  
**Do not touch plug with wet hand!**  
**Do not pull the plug by the cord!**

## 4.0 Controls

**Speed** control knob: Turns rocker **On** & **Off** and adjusts rocking speed.

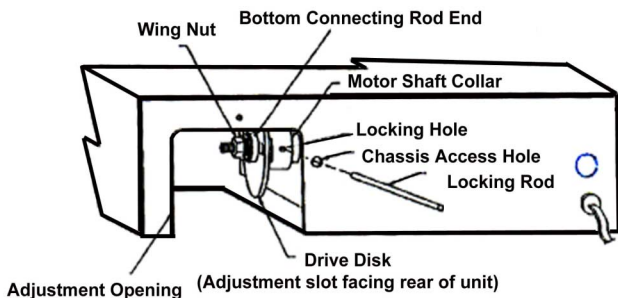
## 5.0 Operation

Position the load to be rocked so that it 's weight is centered on the platform front-to-back and left to right. Turn the rocker on with the **Speed** knob and increase the rocking speed slowly until the desired rocking speed is achieved.

## 6.0 Adjusting the Tilt Angle

The tilt angle is set at the factory at approximately +/-10 degrees. This tilt angle is appropriate for most rocking applications. To adjust the tilt angle for more or less tilt, perform the following: (reference figure 1)

- a. Unplug the unit from the wall outlet
- b. Locate the access panel on the back/bottom and remove two screws that hold it.
- c. Position an adjustable wrench or pliers on the wing nut holding the bottom of the connecting rod to the disc. Use the wrench or pliers to rotate the disc until the locking hole in the motor shaft collar is aligned with the access hole in the rear of the unit. The locking hole is located 180 degrees from the collars set screw.
- d. Insert the locking rod into the motor shaft collar locking hole through the rear of the unit. This will prevent the disc from turning when the wing nut is loosened or tightened.
- e. Loosen the wing nut just enough to allow movement of the wing nut and connecting rod along the shaft in the disc. Move the wing nut outward from the center of the disc to increase tilt angle. Move the wing nut inward toward the center of the disc to decrease tilt angle.
- f. When desired tilt angle is obtained, retighten wing nut with adjustable wrench or pliers.
- g. Remove the locking rod.
- h. Replace access cover, plug unit in and test new tilt angle. Test with light load first to be sure wing nut has been sufficiently tightened.



**Figure 1**

## 6.0 Routine Maintenance and Cleaning

After each use, the VWR Rocking Platform should be wiped down with a soft damp cloth. **Do not immerse unit in water or pour liquids over or into rocker.** If a spill should occur, unplug unit immediately and clean thoroughly with a damp cloth and allow to dry completely before attempting to use. If liquids were spilled into the unit, have the unit inspected and cleaned by a qualified service technician to insure that no internal damage has occurred.

For maximum service the drive rod bearings (both ends) should be lubricated every 3-6 months with a few drops of a light oil (e.g. Three-In-One). The motor and platform bearings are permanently lubricated and need no maintenance. If the rocker is used at temperatures above 37C, the rod ends should be lubricated every month. Do not operate the rocker in temperatures above 65C.

## 7.0 Trouble Shooting Guide / Service

Be sure to unplug the rocker from the wall outlet before performing any service. For service, contact VWR International at (800) 932-5000.

### Problem

Unit will not rock

### Explanation/Possible Solution

Check that Speed knob is turned up  
 Check that unit is plugged into active wall outlet  
 Check fuse

Unit will not rock or rocks slow

If the rocker has been used at one speed for a long period of time (several months or more) without being moved, it is possible to build up motor brush dust in the motor. Unplug the rocker and gently bounce the rocker several times on the bench to dislodge the dust build-up and then re-test the rocker for operation.