



Orbi-Blotter™ Low Speed Orbital Shaker Model BT30 Instruction Manual

Benchmark's Orbi-Blotter low speed orbital shaker is a quiet, easy to operate, medium capacity, orbital shaker designed for blot washing, gel staining, de-staining and the low speed shaking of flasks and other vessels. The Orbi-Blotter has a 2.3kg (5.0lb) load capacity, comes with a flat, non-skid rubber mat and has stacking platform, flask clamp and tube rack accessories. The Orbi-Blotter will operate in cold rooms down to 4°C and in incubators up to 65°C.

I. Product Specifications:

Speed: User adjustable from 3rpm to 75rpm

Orbit Size: 19mm diameter

Motor: Electronically controlled brushless gear motor (no carbon brushes to replace)

Platform: 35.6 x 30.0 cm (14" x 12") with 3 tie down points on each side

Load Capacity: 2.3kg (5.0 lbs) centered and balanced on the platform

Dimensions: (wxdxh): 35.6 x 30.0 x 165 cm (14 x 12 x 6.5")

Weight: 4.5kg (10lbs)

Mat:: Flat, non-skid, black, autoclavable

Electrical: 115VAC, 60Hz, 0.24 amps or 230VAC, 50Hz, 0.24 amps **CE** compliant

Operating environment: 4°C (cold room) to 65°C (incubator)

Warranty: 2 years

II. Product Set-Up:

Place the shaker on a clean, flat, stable surface. Make sure that the power switch is in the OFF (not illuminated) position. Plug the shaker into a properly grounded outlet. Check that nothing blocks the orbital motion of the platform. **Set the Speed Control knob to the lowest speed setting (full counter clock wise).**

III. Product Operation:

Load the platform from the center out making sure the items placed on the platform create a balanced load around the center of the platform. This is important as unbalanced loads may cause excessive vibration and product walk while shaking. Turn the unit on by activating the ON/OFF switch so that it is illuminated. Rotate the Speed Control knob clockwise to set the desired shaking speed.

IV. Optional Magnetic Flask Clamps and Magnetic Tube racks:

The shaker has available optional magnetic based flask clamp and tube rack accessories which allow it to support and shake Erlenmeyer flasks and various test tubes and centrifuge tubes provided the total load capacity (clamps, flask and flask contents or tube rack and contents) does not exceed 5 lbs (2.3kgs). Flask clamps for 125ml, 250ml, 500ml, 1L and 2L flasks are available and tube racks for 1.5ml, 2.0ml, 15ml and 50ml tubes are also available. Other tube racks may also be available. Please check with your dealer for these accessories.

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 product housing.