

GYROMAX™ 818, 828, and 838 ORBITAL PLATFORM SHAKERS



Model 838



Model 818

The 800 series of platform shakers offer a choice of three shakers with five platform sizes. The largest model, 818, is a large-capacity heavy-duty shaker with a 38" x 24" platform. Both the mid-sized 828 and the smallest 838 offer a choice of two platform sizes. The SK-838 is a compact unit, yet is large enough carry a significant load.

The shakers feature microprocessor control and digital RPM and timer readouts. The microprocessor regulates the speed to within ± 1 RPM of setpoint. The acceleration circuitry provides for a smooth ramp-up of speed to minimize splashing. The drive system features a triple-eccentric drive that is dynamically balanced with counter weights. This feature eliminates the need to make adjustments as the load increases, and together with a low-profile design, ensures a smooth, stable and quiet operation. A fan cools the drive motor to ensure a long life.

A timer can be set to 99 hours and 59 minutes in increments of one minute or to 9999 hours in increments of one hour. If the timer is not needed, you can set the shaker to run continuously. In case of power failure, the timer will automatically start to count from where it last stopped after power is restored.

Accessories include platforms, clamps, tube racks with a universal holder, and stainless steel spring racks for flasks or tubes of different sizes.

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SPECIFICATIONS

- Maintenance-free brushless motor cooled by a fan for long life.
- Dynamically balanced, triple-eccentric drive for long life and smooth, stable, and quiet operation. Eliminates the need for adjustments as the speed changes.
- Shaking speed: 25 to 400 RPM (60 Hz).
- Digital RPM setting and display in 1 RPM increments.
- In case of power failure, the timer will count from where it last stopped when the shaker automatically resumes running.
- Timer and display: 99 hours 59 minutes in 1-minute increments, or 9999 hours in 1-hour increments, or continuous. Timer can count up (0 to set time) or down (set time to 0).
- **Overall dimensions**
Model 838 Regular: 17.3"W x 13.0"D x 6.5"H (440mmW x 330mmD x 165mmH)
Model 838 Oversized: 20.5"W x 15.7"D x 6.5"H (520mmW x 400mmD x 165mmH)
Model 828: Regular: 24"W x 19"D x 8.5"H (610mmW x 483mmD x 215mmH)
Model 828: Oversized: 30"W x 18"D x 8.5"H (760mmW x 460mmD x 215mmH)
Model 818: 38"W x 24"D x 8.5"H (965mmW x 610mmD x 215mmH)
- **Platform dimensions**
Model 838 Regular: 17.3"W x 13.0"D (440mmW x 330mmD)
Model 838 Oversized: 20.5"W x 15.7"D (520mmW x 400mmD)
Model 828 Regular: 24"W x 19"D (610mmW x 483mmD)
Model 828: Oversized: 30"W x 18"D (760mmW x 460mmD)
Model 818: 38"W x 24"D (965mmW x 610mmD)
- Power source: 120V, 50/60Hz, 2A (220V available).
- Accessories: Platform, clamps, tube racks and a stainless steel spring rack for flasks or tubes of different sizes.

Flask Capacity

Flask Size (mL)	50	125	250	500	1000	2000	2800	4000	6000
Model 838	40	24	15	10	6	4	2	2	1
Model 838 (oversized)	48	36	25	12	8	5	4	4	4
Model 828	80	48	30	20	12	6	3	3	3
Model 828 (oversized)	112	60	40	24	15	12	6	6	6
Model 818	160	104	70	40	24	15	8	8	8

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