

Orbi-Shaker™ CO₂ All Environment Shakers



ORBi-SHAKER™ CO₂ Remote Controlled, All Environment Shakers

- + Designed to fit and maximize capacity in most CO₂ incubators and chambers
- + Remote controlled, adjust settings without disturbing the CO₂ environment
- + Instantly exchange flask clamps with MAGIC Clamp™ accessories



Remote controller adjusts shaker settings from outside of the chamber and magnetically attaches to most incubators

The new Orbi-Shaker CO₂ series is designed for shaking, mixing & aeration applications in extreme environments, including CO₂ incubators. It can withstand temperatures from 0 to 65°C and humidity levels up to 100%.

To avoid contamination, unintentional release of gas or deviations from protocol, all settings are adjusted via the included remote control module. This module can be stored outside of the chamber and connects to the shaker via a flat (1mm thickness) cable, that easily passes through a port or underneath an incubator door without compromising the seal. This allows for user adjustment of run time or mixing speed without opening the chamber door(s).

The instrument is supplied with a non-slip rubber mat platform. In addition, convenient MAGIC Clamp™ platforms (of multiple sizes) are also available for use with Erlenmeyer flasks and test tube racks. The unique magnetic attachment method has been widely recognized as the easiest way to instantly change between flask clamps of different sizes.

Compatibility Chart:	SureTherm™ CO ₂		New Brunswick™		Shel Lab® 142L & 167L	Thermo® HeraCell™		Fisher® IsoTemp™ 184	VWR® Symphony™	
	45L	180L	Galaxy® S41i	Galaxy® 170		150	240		5.3A	8.5A
Orbi-Shaker CO ₂ (14 x 12" platform)	*	○	●	○	○	○	○	○	○	○
Orbi-Shaker CO ₂ XL (16 x 16.5" platform)	N/A	●	N/A	●	○	○	○	○	●	○
Orbi-Shaker CO ₂ XL (18 x 18 platform)	N/A	N/A	N/A	N/A	●	N/A	●	●	N/A	●

* Compatible 9.5 x 11.5" (Item: H1000-MR) available



Speed Range:	Variable, 30 to 300 rpm
Speed Increment:	1 rpm
Motion / Orbit:	Orbital / 19mm
Max. Capacity (BT4001):	1 x 2L or 5 x 1L
Max. Capacity (BT4011):	5 x 2L or 9 x 1L
Timer:	1 min. to 99 hr / Continuous
Platform Dimensions:	
BT4001 (included):	13 x 12 in. / 33 x 30 cm
BT4011 (included):	16 x 16.5 in. / 40 x 42.5 cm
Operating Temp. Range:	0°C to +65°C
Dimensions: W x D x H	
BT4001 Shaker:	11.9 x 13.4 x 3.5 in. / 30 x 34 x 9 cm
BT4011 Shaker:	17 x 18 x 5 in. / 43 x 45.75 x 12.7 cm
Weight (BT4001)	25 lbs, (11.5kg)
Weight (BT4011):	50lbs (23kg)
Cord Length:	60.5 in. / 154 cm
Electrical:	120 or 230V, 50-60Hz, 600W
Warranty:	2 Years

Ordering Information:

Item No.	Description:
BT4001*	Orbi-Shaker CO ₂ w/ flat mat platform (13 x 12 in.)
BT4011*	Orbi-Shaker CO ₂ XL w/ flat mat platform (16 x 16.5 in.)
MAGIC™ Clamp Universal Platforms for flask clamps & tube racks**	
BT3000-MR	MAGIC Clamp™ platform (14x12 in.) for BT4001
BT4010-MR	MAGIC Clamp™ platform (16x16.5 in.) for BT4011
H1010-MR	MAGIC Clamp™ platform (18x18 in.) for BT4011
Additional Platforms:	
H1000-P-SP	Universal spring platform for unique vessel types
H1000-P-MP	Dedicated platform for 4 x microplates

*115V with US plug. For 230v (EU plug), please add (-E).

**Flask clamps and tube racks sold separately, see page 31 for a complete listing.