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**

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%.

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

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™ CO₂ 45L	180L	New Brunswick™ Galaxy® S41i	Galaxy® 170	Shel Lab® 142L & 167L	Thermo® HeraCell™ 150	240	Fisher® IsoTemp™ 184	VWR® Symphony™ 6.3A	8.6A
Orbi-Shaker CO₂ (14 x 12" platform)	*	○	●	○	○	○	○	○	○	○
Orbi-Shaker CO₂ XL (16 x 16.5" platform)	N/A	○	N/A	○	○	○	○	○	●	○
Orbi-Shaker CO₂ 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

N/A Not Compatible ○ Compatible ● Compatible, Maximizes Capacity

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 CO₂ w/ flat mat platform (13 x 12 in.)
BT4011*	Orbi-Shaker CO₂ 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.

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with MAGic CLAMP™
PATENTED

Video Demonstration

H1000-MR-CMB Adjustable flask clamp, accepts 125ml, 250ml and 500ml Erlenmeyer flasks.
(For a video demonstration, scan the QR code above.)

Maximum Flask Capacity with MAGic Clamp Platforms

Item No.	Description:	Platform H1000-MR	Platform BT3000-MR	Platform H1010-MR
		Available For Orbi-Shaker JR.	Available For Models Orbi-Shaker & Orbi-Shaker CO₂	Available For Orbi-Shaker XL (CO₂)
H1000-MR-CMB	NEW! Adjustable flask clamp, accepts 125, 250 & 500ml Erlenmeyer flasks	12 / 8 / 5	20 / 14 / 9	36 / 25 / 16
H1000-MR-50	Flask clamp, 50ml Erlenmeyer flask	20	30	49
H1000-MR-125	Flask clamp, 125ml Erlenmeyer flask	12	20	36
H1000-MR-250	Flask clamp, 250ml Erlenmeyer flask	8	14	25
H1000-MR-500	Flask clamp, 500ml Erlenmeyer flask	5	9	16
H1000-MR-1000	Flask clamp, 1L Erlenmeyer flask	4	5	9
H1000-MR-2000	Flask clamp, 2L Erlenmeyer flask	1	2	5
H1000-MR-3000	Flask clamp, 3L (or 2.8L) Fernbach flask	N/A	1	4

Maximum Capacity for MAGic Clamp Platforms (Test Tube / Microplate Racks)

Item No.	Description:	Platform H1000-MR	Platform BT3000-MR	Platform H1010-MR
		Available For Orbi-Shaker JR.	Available For Models Orbi-Shaker & Orbi-Shaker CO₂	Available For Orbi-Shaker XL (CO₂)
H1000-MR-T15	Tube Rack, 15ml conical tubes, 32 x 15ml	2	3	8
H1000-MR-T50	Tube Rack, 50ml conical tubes, 15 x 50ml	2	3	8
H1000-MR-1550	Combi-Tube Rack, 30 x 15ml & 20 x 50ml tubes	2	2	4
H1000-MR-T600	Tube/Bottle Rack, 4 x 500/600ml conical bottles	1	2	4
H1000-MR-T15H	Tube rack, 12 x 1.5/2.0ml tubes, horizontal	2	4	6
H1000-MR-T150H	Tube rack, 4 x 15ml tubes, horizontal	4	6	8
H1000-MR-T500H	Tube rack, 2 x 50ml tubes, horizontal	4	6	8
H1000-MR-MP	Plate rack, holds one microplate	4	6	8
H1000-MR-TSR	Angled tube rack holder (with adjustable tilt)	2	6	8