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ORBi-SHAKER™ CO2

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Remote Controlled, All Environment Shakers

The new Orbi-Shaker CO_2 series is designed for shaking, mixing & aeration applications in extreme environments, including CO_2 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.

Item: BT4000

Compatibility Chart:	Thermo® HeraCell™		New Brunswick™		Shel Lab®	Nuaire™	Fisher®	VWR® Symphony™	
	150	240	Galaxy® S41i	Galaxy® 170	142L & 167L	4750, 4850, 4950, 5800	IsoTemp™ 184	5.3A	8.5A
Orbi-Shaker CO2 (14 x 12" platform)	○	○	●	○	○	○	○	○	○
Orbi-Shaker CO2 XL (16 x 16.5" platform)	●	○	N/A	●	○	○	○	●	○
Orbi-Shaker CO2 XL (18 x 18 platform)	N/A	●	N/A	N/A	○	●	○	N/A	○

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

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

Ordering Information

BT4000*   **Orbi-Shaker CO2,** Shaker with remote control, includes 13x12" non-slip platform, 115V

BT4010*   **Orbi-Shaker CO2 XL,** Shaker with remote control, includes 16x16.5" non-slip platform, 115V

*To order item in 230V, add (-E) to item number.

Optional - Universal Platforms

BT3000-MR   MAGic Clamp universal platform for BT4000 (14x12")
BT4010-MR   MAGic Clamp universal platform for BT4010 (16x16.5")
H1010-MR   MAGic Clamp universal platform for BT4010 (18x18")

Flask & Tube Rack Accessories for MAGic Clamp Platforms

H1000-MR-50   Flask Clamp, 50ml (BT4000: max. 30 / BT4010: max. 49*)
H1000-MR-125   Flask Clamp, 125ml (BT4000: max. 20 / BT4010: max. 36*)
H1000-MR-250   Flask Clamp, 250ml (BT4000: max. 14 / BT4010: max. 25*)
H1000-MR-500   Flask Clamp, 500ml (BT4000: max. 9 / LBT4010: max. 16*)
H1000-MR-1000   Flask Clamp, 1000ml (BT4000: max. 5 / BT4010: max. 9*)
H1000-MR-2000   Flask Clamp, 2000ml (BT4000: max. 2 / BT4010: max. 5*)
H1000-MR-1550   Tube Rack, 12x50 & 21x15 ml tubes (BT4000: max.2 /BT4010: max. 4*)
H1000-MR-T15   Tube Rack, 32x15 tubes (BT4000: max. 3 / BT4010: max. 8*)
H1000-MR-T50   Tube Rack, 15x50 tubes (BT4000: max. 3 / BT4010: max. 8*)
H1000-MR-T600   Bottle Rack, 4x500/600ml conical bottles (BT4000: max. 2 / BT4010: max. 4*)

*Maximum capacity listed for the BT4010 with the optional H1010-MR MAGic Clamp Platform.

Technical Data

Speed Range:	30 to 300 rpm
Speed Increment:	1 rpm
Orbit:	19mm
Max. Capacity:	
BT4000	2 x 2L or 5 x 1L Flasks
BT4010	5 x 2L or 9 x 1L Flasks
Platform Dimensions:	
Included with BT4000:	13 x 12 in. / 33 x 30 cm
Included with BT4010:	16 x 16.5 in. / 40.5 x 42 cm
Ambient Operating Temp:	0° to 65°C
Weight:	BT4000: 25 lbs / 11.3 kg
	BT4010: 50lbs / 22.7 kg
Dimensions:	
BT4000 Shaker:	11.9 x 13.4 x 3.5 in.
	30 x 34 x 9 cm
BT4010 Shaker:	17 x 18 x 5 in.
	43 x 45.75 x 12.7 cm
Cord Length:	60.5 in. / 154 cm
Electrical:	115V Or 230V, 50-60Hz*

Benchmark Scientific