



VORTEX MIXER

DESIGNED WITH COMFORT IN MIND



Standard

Unit is supplied with 3 attachments as standard. Saving you money & bench space.

INNOVATIVE E-SENSING TECHNOLOGY

Instrument automatically starts vibrating, without the need for any pressure!

COMFORT

Ensures a drastic reduction in repetitive strain!



TORNADO-S® Digital Vortex Mixer

- Variable speed operation, electronically controlled up to 3000 rpm
- Choice of accessories to suit different tubes and flasks
- Universal voltage / frequency model
- Accessories fit into place with a little pressure
- Electronic sensing technology use photoelectric sensor
- Excellent stability with counter weight & centric balance piece
- Large, anti-slip rubber feet for staying in required position
- Designed for the longest lifespan using DC motor with over-temperature protection

TORNADO-MINI® Vortex Mixer

- Small footprint with maximum power
- Simple, touch start operation offers exceptional mixing performance with one hand and enables quick mixing of samples.
- When performing repetitive procedures, low activation force helps prevent user fatigue.
- Universal voltage / frequency model
- Abrasion-proof silicone materials ensure long service life and resist most commonly used chemicals
- Zinc alloy single piece base allow stable operation with low center of gravity.
- Anti-slip rubber feet for staying in required position
- Designed for the longest lifespan using DC motor with over-temperature protection





INTELLIGENT RECOGNITION TECHNOLOGY

Instrument automatically detect the holder/platform installed and limit the maximum speed accordingly.

VERSATILE

11 type of attachment ensure you need only 1 instrument. Saving you time, money, and bench space.

TORNADO-D® Vortex Mixer

- Variable speed operation, electronically controlled up to 3000 rpm
- Choice of accessories to suit different tubes and flasks
- Universal voltage / frequency model
- Accessories fit into place with a little pressure
- Automatic detection of holder/platform fitted and max. speed is limited accordingly
- Excellent stability with counter weight & centric balance piece
- Large, anti-slip rubber feet for staying in required position
- Designed for the longest lifespan using DC motor with over-temperature protection

ACCESSORIES



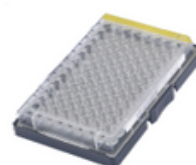
81000104

Mixing cup head
(up to 50 mm Dia)



81000105

Flat platform
(up to 85 mm Dia)



81000106

Holder, microplate



81000107

Holder, 30 x 2ml tube



81000108

Holder, 5 x 10-15ml
centrifuge tube (17 mm Dia)



81000109

Holder, 16 x 3-10ml tube
(12-13 mm Dia)



81000110

Holder, 12 x 10ml tube
(15 mm Dia)



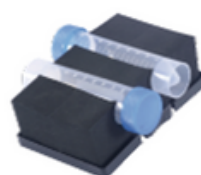
81000111

Holder, 96 x 0.2 PCR Tube/
12 x PCR Strip Tube/
1 x 96 well PCR Plate



81000112

Holder, 12 x 10-15ml tube
(17 mm Dia)



81000113

Holder, 2 x 50ml
centrifuge tube (17 mm Dia)



81000114

Holder, 4 x 30ml tube
(25 mm Dia)

Ordering Information



MODEL	TORNADO-D®	TORNADO-S®	TORNADO-MINI®
CAT. NO.	18 W	15 W	10 W
POWER	18 W	15 W	10 W
DRIVE SYSTEM	DC Brushless motor. Direct drive		
OPERATION MODES	Continuous	E-sensing or continuous	Touch
MAX. LOAD	1.5 Kg	1 Kg	0.6 Kg
SPEED	200-3000 rpm		Constant, 4000 rpm
ORBIT DIAMETER	4.5 mm		
PLATFORM IDENTIFICATION	Automatic recognition	NA	
DISPLAY	Full segment LED	LCD	NA
TIMER	1 s-999 min		NA
DIMENSION (WxDxH)	138x198x67 mm	147x127x128 mm	95x95x80 mm
WEIGHT	4.1 kg	3.5 kg	0.9 kg
NOISE @ MAX. SPEED	≤45 dBA	≤48	≤40
ELECTRONIC PROTECTION	IP20	IP20	IP20
CONFORMANCE	EN 61010-1, EN 61010-2-020, EN 61326-1, EN 61010-3-2/A2		

TORNADO-S® ACCESSORIES



81000101

Mixing cup head
(up to 50 mm Dia)



81000102

Flat platform
(up to 85 mm Dia)



81000103

Holder, 14 x 5-7ml tube
(10 mm Dia)



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