

# For Your Bench, and Your Bench Only

## MINI

These vibrant and highly affordable mini centrifuges will liven up any laboratory environment. Get your very own mini and add a splash of color to your bench.

12 microtubes or 10 cryotubes can be run at 13,500 rpm at the maximum.

Powder White



Rose Pink



Steel Blue

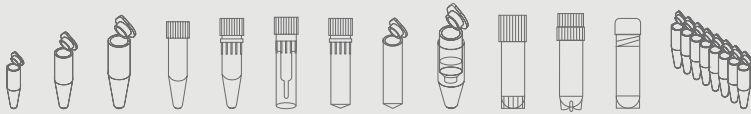


- ✓ Minimal Noise and Minimal Heat
- ✓ Flawless Construction and Flawless Design
- ✓ Easy Control and Easy Monitoring

## Compact and Versatile

- Built to accommodate PCR tubes, microtubes and cryotubes (0.2 to 2.0 ml)

### Applicable Sample Containers



## Intuitive and Ergonomic User Interface

- Intuitive control panel
- Highly legible blue-and-white display
- “Pulse” function for quick spins



## Fully-Functioning Safety Architecture

- Patented air-cooling and anti-vibration architecture

### Rotors for



#### GRF-m2.0-12

13,500 rpm / 12,300 xg  
0.2 ~ 2.0 ml



#### GRF-m1.8-10

13,500 rpm / 12,300 xg  
1.8 ml cryotube






#### GRA-s0.2-32

6,000 rpm / 1,554 xg (inner) 1,850 xg (outer)  
0.2 ml PCR strip (8 tube)

# Ordering Information

## Main Equipment

		mini	1536	1730R
Main equipment		 ○ White ● Pink ● Blue		
Cat. No.	for 220V	GZ-1312	GZ-1536	GZ-1730R
	for 110V	GZ-1312-110	GZ-1536-110	GZ-1730R-110
Max. RPM/RCF	Fixed Angle	13,500/12,300 xg	15,000/21,583 xg	17,000/27,237 xg
	Swing-out	-	-	13,000/16,343 xg
Max. capacity	Fixed Angle	12 x 2.0 ml 4 x 8-tube PCR strips	10 x 5.0 ml, 36 x 2.0 ml 4 x 8-tube PCR strips	12 x 5.0 ml, 30 x 2.0 ml 8 x 8-tube PCR strips
	Swing-out	-	-	16 x 2.0 ml
Temp. range (°C)		-	-	-20°C~ +40
Time control		Pulse or timed ≤30 min	Pulse, timed < 100 min or continuous	Pulse, timed < 100 min or continuous
Time at set speed		-	Yes	Yes
Noise level (dB)		~56	~60	~56
ACC / DEC ramps (time for Acc / to Dec)		≤ 12 / ≤ 16 sec	9/10 ramps (15/15 sec)	9/10 ramps (17/17 sec)
Program memory		-	100	100
Rotor identification		-	-	Automatic
Imbalance cut-off		-	Yes	Yes
Safety lid lock		Yes	Yes	Yes
Key lock		-	Yes	Yes
Lid drop protection		-	Yes	Yes
Power requirement (220V)		110 VA	450 VA	2 kVA
Dimension (W x D x H, mm)		208 x 245 x 145	240 x 378 x 240	310 x 620 x 290
Weight without rotor (kg)		4.4	11.9	43.0
CE mark		Yes	Yes	Yes