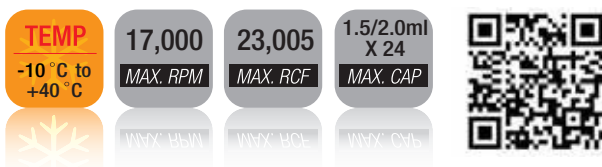


Smart choice for Lab

Elegant design, quick accelerations & deceleration and qualified to the best in safety, durability, and convenience.

Smart R17

Refrigerated Micro Centrifuge



A1.5/2.0M-24



A1.5/2.0M-18



A1.5MP-24

Snap-on polypropylene rotor lid

Features

- Co-using Angle Rotors (A1.5/2.0mlx24) & PCR Strip rotor (0.2mlx32)
- Ergonomically arranged and designed
- Memory function
- Speedy acceleration 15secs & deceleration 15secs (15,000 rpm)
- 5 steps for acceleration and deceleration can be selected for delicate liquid experiment
- 2 way-types of freezing radiator
- Efficient BLDC Motor(400W) - Brushless motor provides maintenance free operation
- Fast Cooling
- Detecting over speed, over heat, system error and door opening
- Patented compressor technology reduces vibrations and protects your sample
- Exceptionally quiet operation, with or without rotor lid
- Easy-to-read interface displays both speed (rpm) and force (rcf)
- Easy-to-use knobs



Simple and elegant display panel

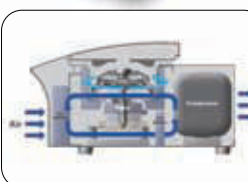


Optimized inside chamber for effective cool-down



Want quick acceleration and deceleration?

Quick acceleration and deceleration helps speedy test process and special rubber hub attached rotor absorbs vibration to keep perfect repeatability.



Want fast temperature correction?

Inventive 2way radiator for maintaining refrigeration temperature for long term and fast correction.

Description	Specification	Remarks
RPM / RCF	17,000 / 23,005xg 15,000 / 21,055xg	1.5/2.0ml x 18 1.5/2.0ml x 24
Max. capacity	1.5/2.0ml x 24	
Time	99min 59sec	Pulse cycle mode Continuous run,
Temp	-10 °C ~ 40 °C	
Display	Rpm, Rcf, Time, Temperature, Acc/dec, Rotor number, Prog	
Motor	BLDC/400W	
Accel/Decel	5 step (accel: 15 sec. decel: 15 sec.)	In 15,000rpm
Rotor	Fixed Angle 1.5/2.0ml x 18 Fixed Angle 1.5/2.0ml x 24 PCR Rotor 0.2ml x 32	
Dimension	295W x 553D x 282H/mm	
Weight, Kg	30Kg	

* Please note that technical specifications subject to change.

Smart R17



Control Display

- The tiny LCD graphically displays rpm, rcf, Accel./Decel., door opening
- Customized key pad (Easy operation and correction)
- RPM/RCF auto calculation
- Memory for saving experiment condition [10 memories]
- Simple and elegant black display panel
- Simple key button for convenience

Smart 15



Safety

- Detecting over speed, over heat, system error and door opening
- Door lock, emergency lid lock release
- Imbalance recognition
- Automatic alarming system



Angle Rotors

A1.5M-18

Rotor ID : 1



Type Angle Rotor $\angle 45^{\circ}\text{C}$
Max. RPM 17,000 rpm
Max. RCF 23,005 x g
Radius 71.2mm
Dim. Ø/H Ø147 x 38.5mm

Tube Capacity (ml)	0.2	0.5	1.5	2.0	
Dimensions Ø x L mm	6 x 18	8 x 30	11 x 38	11 x 38	
Tube Type					
Adapter					
Tube per Rotor	18				
Max.RCF	16,284	19,289	23,005		
radius (mm)	50.4	59.7	71.2		
boring Ø x L mm	6 x 21	8 x 37	11 x 37.5	11 x 37.5	
Color / Material	Black	Black	-	-	
Cat.NO.					
Max. length Ø x L mm	11 x 45				

A1.5M-24

Rotor ID : 2



Type Angle Rotor $\angle 45^{\circ}\text{C}$
Max. RPM 15,000 rpm
Max. RCF 21,055 x g
Radius 83.7mm
Dim. Ø/H Ø172 x 38.5mm

Tube Capacity (ml)	0.2	0.5	1.5	2.0	
Dimensions Ø x L mm	6 x 18	8 x 30	11 x 38	11 x 38	
Tube Type					
Adapter					
Tube per Rotor	24				
Max.RCF	15,848	18,112	21,055		
radius (mm)	63	72	83.7		
boring Ø x L mm	6 x 21	8 x 37	11 x 37.5	11 x 37.5	
Color / Material	Black	Black	-	-	
Cat.NO.					
Max. length Ø x L mm	11 x 45				

A0.2M-32

Rotor ID : 3



Type Angle Rotor $\angle 45^{\circ}\text{C}$
Max. RPM 12,500 rpm
Max. RCF 9,695 x g
Radius 55.5mm
Dim. Ø/H Ø172 x 38.5mm

Tube Capacity (ml)	0.2	0.2			
Dimensions Ø x L mm	6 x 8	-			
Tube Type					
Adapter					
Tube per Rotor	48	4-tube Strips			
Max.RCF	9,695				
radius (mm)	55.5				
boring Ø x L mm	6.5 x 17				
Color / Material					
Cat.NO.					
Max. length Ø x L mm					