

Rotating Incubator

We want to provide reliable performance and quality because you use our products every day. TAITEC offers Mixers, Rotators, and Stirrers.

Rotator RT-025R RT-050R	
Rotator RT-5N RT-50N	
Rotator RT-30mini	0

Delta Mixer Se-04

Delta Mixer Se-08

PC-200

PC-400D PC-600D

PC-210

PC-410D PC-610D Suitable for ImmunoPrecipitation and cultivation in a low temperature room and incubator.

	111	a low	temperatur	e room and incubator.	
\		Page	Model	Capacity	
		P.090	RT-025R	Vessel holders is an option 1.5 mL Microtube, 2.0 mL Microtube ф13 to 15 mm tube, 15 mL Centrifuge tube, 50 mL Centrifuge tube	
		1.090	RT-050R	φ18 mm × 110 mm test tube, φ25 mm × 110 mm test tube 100 mL Erlenmeyer flask, 200 mL Erlenmeyer flask, φ25 mm × 50 mm vial	
\		P.091	RT-5N	Vessel holders is an option 1.5 mL Microtube, 2.0 mL Microtube ф13 to 15 mm tube, 15 mL Centrifuge tube, 50 mL Centrifuge tube	
		1.091	RT-50N	φ18 mm × 110 mm test tube, φ25 mm × 110 mm test tube 100 mL Erlenmeyer flask, 200 mL Erlenmeyer flask, φ25 mm × 50 mm vial	
	•	P.092	RT-30mini	•Vessel holders is an option 1.5 mL Microtube, 2.0 mL Microtube,	•
				15 mL/50 mL Centrifuge tube	

TAITEC Test tube Mixer "Never moving around".

	IAIIEC	iest tabe iviix	er nevermoving around.	
	Page	Model	Capacity	
\	P.093	Se-04	Hand-held stirring Microtubes and 50 mL in Centrifuge tubes Stirring with Microtubes fixed 4 pcs × 0.5 mL + 4 pcs × 1.5/2.0 mL	•
	P.093	Se-08	Hand-held stirring Microtubes and 50 mL in Centrifuge tubes Stirring with Microtubes fixed 8 pcs × 0.5 mL + 8 pcs × 1.5/2.0 mL	•

Corning hot plate

		Page	Model	Maximum load	
	6	P.094	PC-200	•Approx. 11 kg (maximum loadable container: 500 mL beaker)	•
		DOOF	PC-400D	•Approx. 11 kg (maximum loadable container: 2 L beaker)	•
•	PC-600D •Approx. 11 kg (maximum loadable contain	•Approx. 11 kg (maximum loadable container: 10 L beaker)	•		

Corning magnetic stirrer

		Page	Model	Maximum load		
_	•	P.094	PC-210	•Approx. 11 kg (maximum loadable container: 500 mL beaker)	•	
Ī		P.095	PC-410D	•Approx. 11 kg (maximum loadable container: 2 L beaker)	•	
		P.095	PC-610D	•Approx. 11 kg (maximum loadable container: 10 L beake	•	

Corning hot plate stirrer

	Page	Model	Maximum load			
	P.094	PC-220	•Approx. 11 kg (maximum loadable container: 500 mL beaker)			
		PC-420D	Approx. 11 kg (maximum loadable container: 2 L beaker)			
•	P.095	PC-620D	Approx. 11 kg (maximum loadable container: 10 L beaker)			

PC-220



	_
GR-5	

Planetary centrifugal stirring that has strong stirring force and easily restituted from deviation of stir bars.

Page	Model	Capacity
P.096	GR-5	•to 500 mL Erlenmeyer flask



[Delta balance] We developed three legs and We developed three legs and a triangle body to realize our customer's request "Desired a mixer that is never moving around". We received results that the Mixer did not moved around on slippery planes and slopes that were painted with oil.



[Miracle Head]
Our original Miracle Head where multiple
Microtubes can be fixed (The numbers
differ depends on the models). Enables to
Hand-held stirring of 50 mL (Liquid volume
approx. 30 mL) Centrifuge tubes smoothly.

	Features	Applications	Ambient temperature	Rotational speed/ Angle variable range	Page
	•Standard size, two models with different speeds	•ImmunoPrecipitation in refrigerators or cold rooms	-49C to 409C	•2 to 25 r/min •0° to 90° Optional setting	P.090
	Ensures stable rotation from low to high speed Vessel holders are optional	Extraction of Genomic DNA Culture of Microbe and Plant cells in incubators	•4°C to 40°C	•5 to 50 r/min •0° to 90° Optional setting	P.090
	Standard size, two models with different speeds Can be operated certainly in refrigerators and low temp. rooms Vessel holders are optional Ultra-small size that can be carried with one hand Can be operated certainly in refrigerators and low temp. rooms Vessel holders are optional	Cold rooms Extraction of Genomic DNA Culture of Microbe and Plant cells in incubators	•4°C to 50°C	•0.5 to 5 r/min •0° to 90° 7-step variable	P.091
				•5 to 50 r/min •0° to 90° 7-step variable	
-			•0°C to 50°C	•3 to 30 r/min •0° to 90°	P.092

	Features	Applications	Stirring motion	Vibration speed	Page
•	*"Delta balance" prevents the Mixer from moving around during operation *Hand-held stirring and "Miracle head" that holds Microtubes	•Mixing-stirring of samples and reagents	Horizontal eccentric	•Approx. 2,800 r/min (Fixed)	P.093
•	"Delta balance" prevents the Mixer from moving around during operation Hand-held stirring and "Miracle head" that holds Microtubes Operation mode by touch switch, Stirring strength adjustment	Promotion of various reactions by stirring Crushing of fungal, etc. with beads	vortex mixing	•Up to 2,800 r/min (Strength adjustment)	P.093

	Features	Applications	Stirring motion	Configurable temperature	Page
•	Corrosion/scratch resistant glass-ceramic top panel Support rods (optional) available			•25°C to 550°C (*)	P.094
	Corrosion/scratch resistant glass-ceramic top panel External temperature controller (optional) available Digital display of temperature	Boiling of electrophoresis samples	•None	•5°C to 550°C (*)	P.095

(")Temperature control is not possible below room temperature. Also, sample temperature may not reach the maximum temperature for evaporating samples.

	Features	Applications	Stirring motion	Rotational speed	Page
-	Corrosion/scratch resistant glass-ceramic top panel Support rods (optional) available			•60 to 1100 r/min	P.094
→	*Corrosion/scratch resistant glass-ceramic top panel *Digital display of speed	Mixing-stirring of samples and reagents	Depending on the stir bar	•60 to 1150 r/min	P.095

	Features	Applications	Stirring motion	Configurable temperature/ Rotational speed	Page
•	Corrosion/scratch resistant glass-ceramic top panel Support rods (optional) available	Mixing-stirring of samples and reagents Heating and melting of reagents and samples Boiling of electrophoresis samples	•Depending on the stir bar	•25°C to 550°C (*) •60 to 1100 r/min (*)	P.094
•	Corrosion/scratch resistant glass-ceramic top panel External temperature controller (optional) available Digital display of temperature/speed			•5°C to 550°C (*) •60 to 1150 r/min (*)	P.095

(*)Temperature control is not possible below room temperature. Also, sample temperature may not reach the maximum temperature for evaporating samples.

	Features	Applications	Stirring motion	Rotational speed	Page
•	Excellent stirring with Planetary centrifugal motion Faster suspension efficiency than normal suspension speeds Stirrer recovers quickly after stir bar deconditioning	Stirring of some liquid containing pebbles, gravel, and particulates For suspension with fixed stirring time Various dissolution testing, mixing-stirring of samples and reagents	Proprietary planetary centrifugal stirring using stir bar	•100 to 1200 r/min	P.096

Rotator RT-025R/050R

Simple operation that anyone can use. Non-direct drive ensures stable rotation speed from low to high speed.

•Equipped with temperature control and capable of Inverting stir --> P.150-151 •Constant temperature chambers --> P.154-156



Please prepare an electrical adapter compatible with your country

We can design customized holders compatible with your vessels.

Model	RT-025R	RT-050R	
Rotational speed	2 to 25 r/min	5 to 50 r/min	
Angle variable range	0° to 90° Optional setting		
Ambient temperature	+4°C to +40°C		
Driving system	Non-direct drive		
Safety devices	Fuse (3 A), Overvoltage/overcurrent protection, Fall stop device		
Safety functions	Nonvolatile memory error, Speed limit error, Motor overload, Display/measuring range error		
Dimensions(W×D×H)	200 × 265 × 266mm		
Weight	Approx. 3.5 kg		
Power supply	AC 100 to 240 V		
Standard accessories	Fuse (with built-in Fuse Holder)×1 pc, Power cord×1 pc		

Optional accessories for RT-025R/050R: Vessel holders



Model Vessels/Capacity/Remarks		Qty. of attachment
SE-0108R	1.5/2.0 mL Microtube × 24 (Inverting stir)	
SE-1315R	SE-1315R φ13 to 15 mm tube × 24 (Inverting stir)	
SE-1800R	15 mL tube (φ17 × 120 Lmm) × 16 (Inverting stir)	Up to 2
SE-3500R	50 mL tube (φ29 × 115 Lmm) × 8 (Inverting stir)	
SA-1811R	φ18 mm × 110 mm test tube × 41 (Rotation)	
SA-2511R		
SC-0100R	100 mL Erlenmeyer flask × 5 (Rotation)	1
SC-0200R	200 mL Erlenmeyer flask × 4 (Rotation)	
SD-2550R	φ25 mm × 50 mm vial × 24 (Rotation)	

·Holders other than those listed above can also be custom-made. Please contact us with a sample

Features

- •Standard size, 2 models by difference in speed
- •Ensures stable rotation from low to high speed
- Vessel holders are available as an option

Applications

- •ImmunoPrecipitation in refrigerators or cold rooms
- Extraction of Genomic DNA
- Culture of Microbe and Plant cells in incubators

2 models by difference in speed

RT-025R has a rotational speed range of 2 to 25 r/min, and RT-050R has a range of 5 to 50 r/min.



Variable tilt angle

The angle can be fixed at any degree between 0 and 90°. Inverting stir and rotation can be performed at an angle suitable for various optional vessel holders.



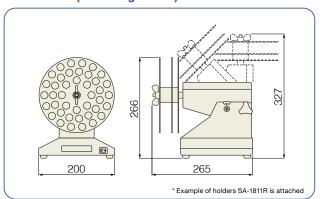
Secure operation from low to high speed with Nondirect drive

"Non-direct drive structure" is provided with a gear between the rotating shaft and the motor shaft to reduce the direct load on the motor. This structure ensures stable rotation from low to high speeds, and also improves quietness and durability.

Fall stop device

This function is provided to stop the operation in the event of the equipment falling over. It provides safety in the event that the equipment falls over due to an earthquake, etc.

Dimensions (Front/Right side)



Rotator RT-5N/RT-50N

Simple operation that anyone can use. Non-direct drive ensures stable rotation speed from low to high speed.

•Equipment with temperature control and capable of Inverting stir --> P.150-151 •Constant temperature chambers --> P.154-156

Features

- Standard size, 2 models by difference in speed
- Secure operation even inside refrigerators and low temp, rooms
- Vessel holders are available as an option

Applications

- •ImmunoPrecipitation in refrigerators or cold rooms
- Extraction of Genomic DNA
- Culture of Microbe and Plant cells in incubators

2 models by difference in speed

RT-5N has a rotational speed range of 0.5 to 5 r/min, and RT-50N has a range of 5 to 50 r/min. Please select according to your application.

Variable tilt angle

The angle can be varied in 7 steps of 0, 15, 30, 45, 60, 75, and 90° to fix it firmly in place. Inverting stir and rotation can be performed at the optimum angle suitable for the vessels and holders.



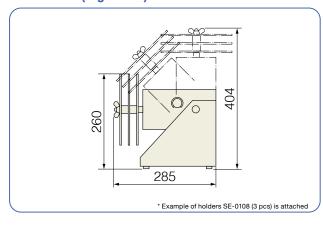
Renewal and increase the number of capacities, up to 3 pcs of holders.

Renewed design allows up to 3 vessel holders to be attached. Compact design while maintaining capacity. It can also be used in a constant temperature chamber. (Refer to the optional accessories list on the lower right for the maximum number of holders that can be attached.)

Stable rotational speed

Feedback control of the motor provides stable rotational speed with good reproducibility even at low speeds.

Dimensions (Right side)





RT-50N with Vessel holders (RT-5N same as RT-50N in shape)

We can design customized holders compatible with your vessels.

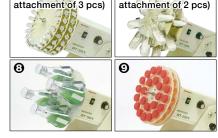
Model	RT-5N	RT-50N	
Rotational speed	0.5 to 5 r/min 5 to 50 r/min		
Angle variable range	Variable in 7 steps of 0, 15, 30, 45, 60, 75, and 90°		
Ambient temperature	+4°C to +50°C		
Dimensions(W×D×H)	200 × 285 × 260 mm (*)		
Weight	Approx. 4.3 kg (*)		
Power supply	AC100V / 0.3A (Need a step-down transformer)		
Standard accessories	Fusex1 pc, Fixed nut for holdersx1 pc, Spacesx 2 pcs, Resin collarx1 pc, Power cordx1 pc		

^(*)When 3 pcs of holders are attached at tilt angle 0

①(Example of

(Example of

Optional accessories for RT-5N/50N: Vessel holders (dia. up to 200 mm)



Model	Model Vessels/Capacity/Remarks	
O SE-0108	1.5/2.0 mL Microtube × 24 (Inverting stir)	Up to 3
QSE-1315	QSE-1315	
ΘSE-1800 15 mL tube (φ17 × 120 Lmm) × 16 (Inverting stir)		Up to 2
4 SE-3500 50 mL tube (φ29 × 115 Lmm) × 8 (Inverting stir)		
⊕SA-1811	9SA-1811 φ18 mm × 110 mm test tube × 41 (Rotation)	
⊙SA-2511	φ25 mm × 110 mm test tube × 24 (Rotation)	1
⊘ SC-0100	100 mL Erlenmeyer flask × 5 (Rotation)	
⊙SC-0200	3SC-0200 200 mL Erlenmeyer flask × 4 (Rotation)	
⊙SD-2550	φ25 mm × 50 mm vial × 24 (Rotation)	

Holders other than those listed above can also be custom-made. Please contact us with a sample

The vessel holder is common with the former RT-5/50 and is not compatible with the vessel holder for RT-30mini.

Rotator RT-30mini

Ultra-small size rotator. Easy Inverting stir at a corner of a laboratory table or in a refrigerator.

•Equipment with temperature control and capable of Inverting stir --> P.150-151 •Constant temperature chambers --> P.154-156



RT-30mini with Vessel holders (Optional)

We can design customized holders compatible with your vessels.

Model	RT-30mini
Rotational speed	3 to 30 r/min
Angle variable range	0° to 90° Optional setting
Ambient temperature	0°C to +50°C
Dimensions(W×D×H)	120 × 172 × 182 mm (*)
Weight	Approx. 2 kg (*)
Power supply	AC100V / 0.1A (Need a step-down transformer)
Standard accessories	Angle pointer ×1 pc,Fixed knob for holders ×1 pc, Fixed packing for holders×1 pc

^(*)When 1 pc of holder is attached at tilt angle 0°

Optional accesories for RT-30mini: Vessel holders (dia.115 mm)









[The three combinations of holders (2 pcs) are as follows.] Firstly, attach the SE-0108M and then any holder with SEJ-033.







SE-0108M × 2

SE-0108M +SE-1800M

SE-0108M +SE-3500M

Model	Vessels/Capacity/Remarks
SE-0108M	1.5/2.0 mL Microtube × 2, Rotate (Inverting stir)
SE-1800M	15 mL Centrifuge tube × 4 + 1.5/2.0 mL Microtube × 4, Rotate (Inverting stir)
SE-3500M	50 mL Centrifuge tube × 2 + 1.5/2.0 mL Microtube × 4, Rotate (Inverting stir)
SEJ-033	Joint parts for the combination of two holders

[•]We can even design customized holders other than the ones shown here

Features

- •Ultra-small size, as small as the palms of both hands
- Secure operation even inside refrigerators and low temp. rooms
- Vessel holders are available as an option

Applications

- •ImmunoPrecipitation in refrigerators or cold rooms
- Extraction of Genomic DNA
- •Culture of Microbe and Plant cells in incubators

Ultra-small size design, as small as the palms of both hands

It is easily portable and is large enough to be used in an incubator, refrigerator, or in a small space on a laboratory table without stress.



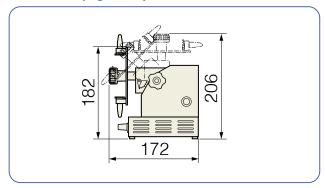
Rotational speed of 3 to 30 r/min, and is safe for use in refrigerators

Rotation speed is 3 to 30 r/min. It works reliably in an environment of 0°C to 50°C and is safe for use in refrigerators and incubators. Timer operation is not available, but it has the same functions as the series model shown on the previous page, such as variable angle and two holders.

Special design for vessel holders

In addition to Microtubes, holders for Centrifuge tubes are also available. As a feature of the holder for this product only, microtubes can be attached to the Centrifuge tube holder simultaneously.

Dimensions (Right side)



[•]The vessel holders for RT-5N/50N is not compatible with the vessel holder for RT-30mini.

Delta Mixer Se-04/Se-08

Our proprietary technology "Delta balance" prevents the Mixer from moving around during operation. Developed by our customer's request, this user-friendly mixer offers excellent stirring and stability.

•Stirring Microtube and Well plate "Micro mixer E-022" --> P.062 •Crusher "Beads crusher" series --> P.100-101

Features

- •"Delta balance" prevents the Mixer from moving around during operation
- Hand-held stirring and "Miracle head" holds Microtubes
- Operation mode by touch switch, Stirring strength adjustment [Se-08]

Applications

- Mixing-stirring of samples and reagents
- Promotion of various reactions by stirring
- Crushing of fungal, etc. with beads, DNA extraction from fecal samples

Microtubes can be fixed to the "Miracle Head"

Our original Miracle Head enables smooth hand-held stirring of 15 mL and 50 mL Centrifuge tubes and also Microtubes on the center of head. In 50 mL Centrifuge tubes, up to 30 mL can be stirred. Microtubes can be fixed to the periphery of the Miracle Head. Useful for long-time stirring.





"Soft touch switch for stirring" and "Continuous stirring" [Se-08]

Well-balanced Mixer that never moves around thanks

Switching between the Touch switch that "turns on/off" when the head is lightly pressed and the Continuous stirring. The Touch switch was designed with optimal sensitivity in order to start by light touching.

to Delta balance

painted with oil.

We developed three legs and

a triangle body to realize our customer's request "Desired

a mixer that is never moving

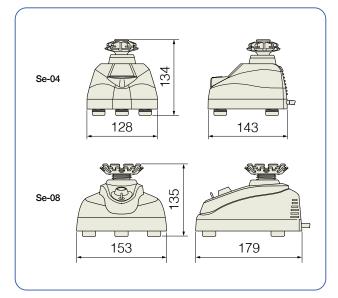
around". We received results that

the Mixer did not moved around on slippery planes and slopes that were



Se-08

Dimensions

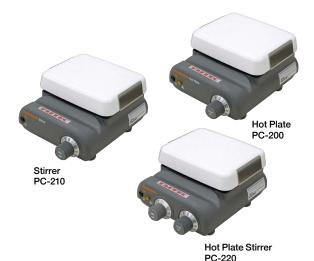


Model	Se-04	Se-08	
Stirring motion	Horizontal eccentric		
Vibration speed (*1)	Approx. 2800 r/min (Fixed)	Up to 2800 r/min (Strength adjustment)	
Operation mode	Continuous	Switching Touching mode/ Continuous	
Capacity	Hand-held stirring Microtubes and 50 mL in Centrifuge tubes (Stirring with Microtubes fixed Se-04: 0.5 mL ×4 pcs + 1.5/2.0 mL ×4 pcs Se-08: 0.5 mL ×8 pcs + 1.5/2.0 mL ×8 pcs		
Ambient temperature	+5°C to +35°C		
Dimensions (W × D × H)	128 × 143 × 134 mm (Miracle Head is included)	153 × 179 × 135 mm (Miracle Head is included)	
Weight	Approx. 2 kg (Miracle Head is included)	Approx. 3 kg (Miracle Head is included)	
Power supply	AC100V / AC220V- 240V / 0.5A	AC100V / 0.5A (Need a step-down transformer)	
Standard accessories	Miracle Head 04 ×1 pc	Miracle Head 08 ×1 pc	

1)The value at 50 Hz. The value at 60 Hz is under 3300 r/min in Se-08 (*2)Up to 30 mL out of 50 mL in Centrifuge tubes can be stirred for sure

Corning hot plate/stirrer PC-200/210/220

Corning hot plate, stirrer, and hot plate stirrer. The small and simple 200 Series can hold up to a 500 mL beaker.



Features

- •3 models with different functions
- Corrosion/scratch resistant glass-ceramic top panel
- Support rods (optional) available

Applications

- Mixing-stirring of samples and reagents [PC-210/220]
- Heating and melting of reagents and samples [PC-220]
- •Boiling of electrophoresis samples [PC-200/220]

Long-selling product from Corning Inc. worldwide brand

Hot plates/stirrers from Corning have been sold worldwide for a long time and have a wealth of trust and achievements.

Three types in the lineup with different functions

Three types are available: Hot Plate, Stirrer, and Hot Plate Stirrer.

Simple analog type that only requires turning a dial

This product is the most compact one of Corning's hotplates/ stirrers and is an analog type as before.

Scratch-resistant Pyroceram® glass-ceramic top panel

The top panel made of "Pyroceram," a unique glass-ceramic material, is resistant to corrosion and scratching and provides uniform heat conductivity.

Product type	Hot Plate	Stirrers	Hot Plate Stirrers			
Model	PC-200	PC-210	PC-220			
Configurable temperature (*)	+25°C to +550°C	-	+25°C to +550°C			
Rotational speed	- 60 to 1100 r/min					
Platform size	127 × 102 mm					
Maximum load	Approx. 11 kg (maximum loadable container: 500	mL beaker)				
Dimensions(W×D×H)	147 × 185 × 112 mm					
Weight	Approx. 1.8 kg	Approx. 1.8 kg Approx. 2.0 kg Approx. 2.3 kg				
Power supply	AC100V / 2.6A (Need a step-down transformer) AC100V / 0.3A (Need a step-down transformer) AC100V / 2.8A (Need a step-down transformer)					
Standard accessories	Stir bar ×1 pc					

^{(&}quot;)Temperature control below the ambient temperature is not possible. Also, the sample temperature may not reach the maximum temperature for evaporating samples. The temperature on the top plate surface may be higher than the set temperature due to differences in heat conduction between the sample and the vessel. Please note this.

Optional

Product/Model	Support rod (30 cm) PC-400084
Remarks	A metal rod is to be attached to the back of the unit. Use in conjunction with a laboratory instrument clamp (*), etc. to secure a thermometer, etc.

^{*)}Please prepare a standard one as shown on the right figure separately.

PC-200/210/220 do not support the external temperature controller for digital type shown on the next page



Corning Digital Hot Plate/Stirrer PC-400D/600D/410D/610D/420D/620D

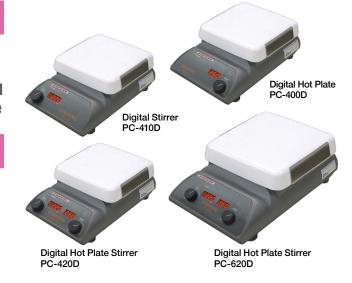
Corning Hot Plate/Stirrer/Hot Plate Stirrer, with digital display. The 400 series can handle up to 2 L beakers, and the 600 series can handle up to 10 L beakers.

Features

- •6 models by difference in function and size, With digital display
- Corrosion/scratch resistant glass-ceramic top panel
- External temperature controller (optional) available

Applications

- Mixing-stirring of samples and reagents [Except for PC-400D/600D]
- Heating and melting of reagents and samples [PC-420D/620D]
- Boiling of electrophoresis samples [Except for PC-410D/610D]



Product type	Hot Plate		Stirrers		Hot Plate Stirrers	
Models	PC-400D	PC-600D	PC-410D	PC-610D	PC-420D	PC-620D
Configurable temperature (*1)(*2)	+5°C to +550°C (Digital display)		-		+5°C to +550°C (Digital display)	
Rotational speed (*3)	- 60 to 1150 r/min (Digital display)					
Platform size	178 × 127 mm	254 × 254 mm	178 × 127 mm 254 × 254 mm 178 × 127 mm 254 × 254 mm			254 × 254 mm
Maximum load			beaker for PC-400D/410D beaker for PC-600D/610			
Dimensions(W×D×H)	198 × 277 × 112 mm	269 × 401 × 122 mm	198 × 277 × 112 mm	269 × 401 × 122 mm	198 × 277 × 112 mm	269 × 401 × 122 mm
Weight	Approx. 2.7 kg	Approx. 4.5 kg	Approx. 2.9 kg	Approx. 4.5 kg	Approx. 3.2 kg	Approx. 5.2 kg
Power supply	AC 100 V / 5.5 A (Need a step-down transformer)	AC 100 V / 10.5 A (Need a step-down transformer)	AC 100 V / 0.8 A (Need a step-down transformer)		AC 100 V / 6.3 A (Need a step-down transformer)	AC 100 V / 11.2 A (Need a step-down transformer)
Standard accessories	-		Stir bar ×1 pc			

(*1)Temperature control below the ambient temperature is not possible. Also, the sample temperature may not reach the maximum temperature for evaporating samples. The temperature on the top plate surface may be higher than the set temperature due to differences in heat conduction between the sample and vessel. Please note this

surface may be higher than the set temperature due to differences in near conduction between the sample and vesser, riesse note this. [Reference] When 400 m. Lof water at +25°C is added to a 600 m. LPYREX beaker, it takes approximately 15 minutes for the water to boil completely. (*2)The temperature setting unit is 5°C. When the optional external temperature controller is used, the setting range is +5°C to +200°C and the setting unit is 1°C. (*3)The setting unit of the Rotational speed varies depending on the rotational speed (minimum 5 r/min).

Optional

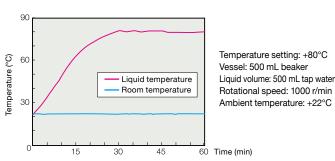
Product/Model	Remarks	Applicable models
External temperature controller PC-6795PR	Throw-in probe type sensor, feedback control of sample temperature (*)	PC-400D/600D/420D/620D
Support rod (30 cm) PC-400084	For fixing the external temperature controller, etc. ϕ 7.9 × 305 Lmm	Mainly PC-400D/410D/420D
Support rod (45 cm) PC-440129	For fixing the external temperature controller, etc. 2 rods of $\varphi 7.9 \times 225$ Lmm are connected.	All models

(")Support rods and laboratory instrument clamps appropriate for the model are required for use (please prepare clamps separately, referring to those listed on the previous page).

Effect of External Temperature Controller

Tap water (room temperature) in a 500 mL beaker was heated to +80°C using a PC-420D with an additional external temperature controller. We confirmed that the liquid temperature reached +80°C about 30 minutes after the start of heating, and then measured the liquid temperature for the next 30 minutes. We could confirm that the fluctuation of the liquid temperature remained within ±2%.





Example of using the external temperature controller and the support rod

We contribute to the development of research and industribute [General Catalog]

Planetary centrifugal stirrer GR-5

Proprietary Planetary centrifugal stirring that exerts high stirring force compared to ordinary stirrers.

It is designed to have a strong stirring force and an easy return of stirrer bars that have deviated due to sand and gravel.

•"TS-10N/20N" for Elution of harmful metals from soil. --> P.085-086



Features

- •Excellent stirring with Planetary centrifugal motion
- Faster suspension efficiency than normal suspension speeds
- Faster recovery after stirring stir bar deconditioning

Applications

- Stirring of some liquid containing pebbles, gravel, and particulates
- •For suspension with fixed stirring time
- Various dissolution testing, mixing-stirring of samples and reagents

Radius of the revolution is 18 mm.

Applicable to the 1 L flask, which is larger than the 500 mL flask. In that case, the guide attached to the unit should be removed and the capacity is limited to 3 pcs.



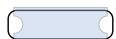
Proprietary Planetary centrifugal stirring

Planetary centrifugal stirring that has a strong stirring force and easily restituted from deviation of stir bars

Proprietary Planetary centrifugal stirring that exerts high stirring force compared to ordinary stirrers. Even if the stirrer is repelled and deviated by particulate waste, gravel, etc., it will be automatically restituted reliably in standard use (adjustment volume 6 to 7).

Included stir bar with 36 mm vinvl membrane

Cut the tube so that both ends come out slightly and put it on the stir bar.



Model	GR-5
Rotational speed	100 to 1200 r/min
Capacity	Erlenmeyer flask × Max. 5 (5 positions)
Rotation/Revolution rate	10:1
Timer	6-hour Timer for the operation (Buzzer is rung when finished.)
Platform size	408 × 312 mm
Dimensions(W×D×H)	424 × 338 × 171 mm
Weight	Approx. 12.5 kg
Power supply	AC100V / 1A (Need a step-down transformer)
Standard accessories	Acrylic guide ×1 pc, Stir bar × 5 pcs, Vinyl tube (*) ×1 pc

^{(&}quot;)Make sure that the vinyl tube is attached to stir bar for use so that the unit can last a long time Recommended that the stir bars are replaced regularly.

Optional accesory

Model	Remarks
Stir bar for GR-5	Stir bar length: 36 mm, 1 pc

Dimensions

