

Hotplate & Magnetic Stirrer

Analog type



Easy to use with excellent durability

Structural Functional Features

- Five models provided according to the size and shape of hot plate.
- Top plate coated with white ceramic for excellent corrosion resistance.
- Excellent heat transfer and durability due to heater-integrated structure.
- Using special permanent magnets for maintaining stirring ability.

Use Convenience Features

- Easy adjustment of heating rate and stirring speed with individual control knobs.
- Maintains a constant stirring speed even when sample viscosity changes.
- Rapid stirring and stop function according to the user's needs.
- Clamp Rod (option) can be added to the main body to fix other experiment equipment.
- Convenient experiment observation with removable transparent shield. (option)

Outstanding Safety

- Spill-proof design minimizes inflow solution into device.
- Safety ensured by BLDC motor that does not generate sparks.
- Preventing equipment failure with multiple over temperature prevention devices.
- Warning displayed when top plate is 50°C or more.
- Prevents sample run-off thanks to smooth stirring start.
- The heating bath (option) is combined with the top plate to ensure safety. (except TM-QG)



TM-14SG

with Heating Bath, Clamp Holder, 3 Prong Clamp, Clamp Rod (option)



TM-18QG



Specification

	Model	TM-14SG	TM-14RB	TM-17SG	TM-17RB	TM-18QG
Heating	Temperature range (°C / °F)	Top plate, Max, 350 / 662	Top plate, Max, 350 / 662	Top plate, Max, 350 / 662	Top plate, Max, 350 / 662	Top plate, Max, 350 / 662
	Control mode	Scale	Scale	Scale	Scale	Scale
	Heating rate	0 ~ 100% by 1%	0 ~ 100% by 1%	0 ~ 100% by 1%	0 ~ 100% by 1%	0 ~ 100% by 1%
Stirring	Speed range (rpm)	Max. 2000	Max. 2000	Max. 2000	Max. 2000	Max. 2000
	Capacity (L / cu ft, H ₂ O)	20 / 0.71	20 / 0.71	20 / 0.71	20 / 0.71	20 / 0.71
	Magnetic bar, Max. (L x Ø, mm / inch)	40 x 8 / 0.31 x 1.57	40 x 8 / 0.31 x 1.57	40 x 8 / 0.31 x 1.57	40 x 8 / 0.31 x 1.57	40 x 8 / 0.31 x 1.57
Material	Top plate	White ceramic coated aluminum alloy	White ceramic coated aluminum alloy	White ceramic coated aluminum alloy	White ceramic coated aluminum alloy	White ceramic coated aluminum alloy
	Body	Powder coated aluminum alloy	Powder coated aluminum alloy	Powder coated aluminum alloy	Powder coated aluminum alloy	Powder coated aluminum alloy
	Motor type	BLDC (Brushless Direct Current)	BLDC (Brushless Direct Current)	BLDC (Brushless Direct Current)	BLDC (Brushless Direct Current)	BLDC (Brushless Direct Current)
Dimensions	Top plate (Ø or W x D, mm / inch)	140 / 5.51	140 / 5.51	170 / 6.69	170 / 6.69	180 x 180 / 7.08 x 7.08
	Exterior (W x D x H, mm / inch)	161 x 290 x 100 / 6.34 x 11.42 x 3.94	210 x 294 x 99 / 8.27 x 11.57 x 3.9	191 x 330 x 101 / 7.52 x 12.99 x 3.98	240 x 324 x 100 / 9.25 x 12.76 x 3.94	209 x 326 x 102 / 8.22 x 12.83 x 4.0
	Net weight (kg / lbs)	2.8 / 6.17	3 / 6.61	3.5 / 7.72	3.6 / 7.94	3.8 / 8.37
Body Shape		Straight body	Round body	Straight body	Round body	Straight body
Electrical requirements (230V, 50/60Hz, A)		3.0	3.0	4.0	4.0	4.0
Cat. No.		AAH34245K	AAH34315K	AAH34275K	AAH34325K	AAH34285K
Electrical requirements (120V, 60Hz, A)		5.0	5.0	6.7	6.7	6.7
Cat. No.		AAH34243U	AAH34313U	AAH34273U	AAH34323U	AAH34283U

※ Except TM-18QG CSA certification ※ Only TM-14SG RoHS certification.

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