

## TS-18Q Hotplate Stirrers (Advanced)

Manufacturer:

SKU#: 8194-10-1117

Digital heating and stirring control with high advanced features such as auto-tuning and various control modes.



### Product Description

**Operating Features** Feedback control allows constant stirring speed. Fast and precise stirring operations are enabled by BLDC motor and special magnet with extremely strong magnetic coupling power. Smooth-start mechanism provides virtually no decoupling of stir bars even with viscous media. Instant halt of the stirring operation. Microprocessor PID temperature control. Precise temperature is set by digital display and optimum heating level is adjustable. Auto-tuning and temperature calibration functions. Multi-functional temperature control modes. (Optimal Mode / Fast Mode / Slow Mode / User Mode / Point Mode) Two user-selectable timer activation modes. Hot Top warning Indicator, built in thermal shutdown, current limit protection. Upper and lower temperature limit setting for users convenience and safety. Separate operation RUN/STOP button.

**Constructional Features** Integrated design of the heater and the top plate provides exceptional heat transfer rate and quick heat up capability. The provided temperature probe detects the actual temperature of media in real time. (PT100, Max. 250 , SN-8-4 connector sensor)

### TS-18Q Hotplate Stirrers (Advanced) Specification

Model	TS-14S	TS-17S	TS-18Q
Technical Data	Heating	Temperature Range ( / )	Max. 350 / 662
Control	Feedback Control with PID		
Display	LED digital (0.1 resolution)		
Heating Power (W)	600	800	
Stirring	Speed Range (RPM)	30 to 2,000	
Capacity (L / cu ft, H2O)	20 / 0.71		
Magnetic Bar, Max. ( xL, mm / Inch)	8 x 40 / 0.31 x 1.57		
Safety	Hot Top Indicator ( / )	Warning lamp (50 / 122)	
Over Temp.	Top plate / Main body / PCB		
Over Current	Current limit protection		
Motor	BLDC motor		
Timer	2 type, 1min. to 99 hours 59 min.		
Load, Max (kg / lbs)	25 / 55.1		
General Data	Top plate	Shape	Round Type
Material	Ceramic coated aluminum		
Dimension	140 / 5.51	170 / 6.69	180x180 / 7.08x7.08

( or WxD, mm / Inch)			
Body	Material	Aluminum	
Dimension	161x290x100 /	191x330x101 /	209x326x102 / 8.22x12.83x4.0
(WxDxH, mm / Inch)	6.34x11.42x3.94	7.52x12.99x3.98	
Net Weight (kg / lbs)	2.8 / 6.17	3.5 / 7.72	3.8 / 8.37
Electrical Requirements (230V,50Hz/60Hz)	3.0 A	4.0 A	
Cat. No.	AAH34415K	AAH34425K	AAH34435K
Electrical Requirements (120V,60Hz)	5.0 A	6.7 A	
Cat. No.	AAH34413U	AAH34423U	AAH34433U

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