Magnetic hotplate stirrers, Professional series

VWR Professional hotplate stirrers are designed for applications that require exceptional accuracy, stability, and repeatability. Enhanced microprocessor control offers an external resistance thermometer (RTD) probe option that delivers superior temperature control of the sample. Stirring function, with continuous duty motor and powerful magnet, maintains set speed even under changing load or viscosity. Touch pad controls with easy to read, independent LED displays for temperature, speed, and time, allow operator to view all settings at once. Rear housing features a built-in support rod holder with locking knob that accepts the supplied probe kit. Low profile design takes up less space and fits into fume hoods. Spill resistant housing channels fluids away from internal components. A "hot" symbol warning light is illuminated when heat is turned on and remains on until top plate cools down. Stir protection; if stirrer motor stops or fails, unit will automatically shut down heater. Plate over-temperature limit ensures plate temperature will never exceed users programmed set temperature limit, allowing for control of sensitive flash points. An audible alarm will sound when time reaches zero or when unit reaches set point temperature in timed mode, and if the probe disengages from sample, unit will automatically shut off heater. Microprocessor control with enhanced electronics regulates both heating and stirring and brings samples to temperature quickly and efficiently. Ramping feature slowly increases speed for improved safety and enhanced coupling. Avoids splashing, improves spin bar control and provides excellent low end speed control. Ceramic tops feature a chemically resistant, reflective white top plate surface that is easy to clean. Durable aluminium tops will not crack or chip, and provide a more even heating surface.

- Excellent temperature uniformity with consistent stirring at all speeds
- Separate digital displays for temperature, speed, and time; show set and actual values. Display will show last used settings, even after power has been turned off
- Cool touch, chemically resistant housing
- Includes external RTD temperature probe kit
- Choice of models with ceramic or aluminium top plates

Delivery information: Each unit is supplied complete with a 203 mm stainless steel PT1000 temperature probe, a 457 mm stainless steel support rod, thermometer/temperature probe extension clamp, hook connector and a PTFE coated magnetic stirring bar.

Model	Aluminium top plate		Ceramic top plate	
Heat output (W)	1050	1600	1050	1600
Heated area (mm)	180×180	250×250	180×180	250×250
Max. stirring capacity H_2O (ml)	2500	6000	2500	6000
Plate dimensions (mm)	180×180	250×250	180×180	250×250
Plate material	Aluminium		Ceramic	
Speed range (min^{-1})	60 - 1600			
Speed stability (%)	±2			
Temperature range (°C)	Ambient +5...400		Ambient +5...500	
Temperature stability (%)	±1*			
Weight (kg)	4,2	6	4,2	6
W×D×H (mm)	250×375×108	330×455×108	250×375×108	330×455×108

Description	Pk	Cat. No.
Models with aluminium top plates		
Magnetic hotplate stirrer, aluminium plate, 180×180 mm, UK-plug	1	**444-0633**
Magnetic hotplate stirrer, aluminium plate, 250×250 mm, UK-plug	1	**444-0639**
Models with ceramic top plates		
Magnetic hotplate stirrer, ceramic plate, 180×180 mm, UK-plug	1	**444-0630**
Magnetic hotplate stirrer, ceramic plate, 250×250 mm, UK-plug	1	**444-0636**

Description	For	Pk	Cat. No.
Accessories			
Spare temperature probe, 200 mm, stainless steel	Professional series units	1	**444-0641**
Spare temperature probe, 200 mm, PTFE	Professional series units	1	**444-0642**
Spare temperature probe, 250 mm, stainless steel	Professional series units	1	**444-0643**
Spare temperature probe, 250 mm, PTFE	Professional series units	1	**444-0644**
Replacement probe kit, 200 mm, stainless steel	Professional series units	1	**444-0645**

* Below 100 °C ±2 °C environmental and sample conditions permitting. Caution: If you are using a probe accessory with a Professional unit, make sure you don't exceed a sample temperature of 250 °C, otherwise the probe tip might become damaged.