

Digital Hot Plate / Stirrer

Multi-position heating & mixing

WH420 / WH620

- > Advanced microprocessor controlling system guarantees the reliability and temperature stability
- > Bright and clear LED digital display and setting for the working temperature, stirring speed, working time, and safety temperature
- > Memory function for stirring speed and temperature setting, convenient for experiments with fixed conditions
- > Liquid drainage above the control board to prevent liquids from accessing the system
- > Direct connection for Pt100 temperature sensor for convenient solution temperature control
- > Sealed outer shell and isolated critical parts design for enhanced longevity even in a harsh laboratory environment
- > When the temperature of the top plate is above 60°C, hot-top indicator will light up for the user's safety protection



Standard PT100 temperature sensor
Accurate solution temperature within $\pm 1^\circ\text{C}$ in general range.



Safety protection
Flashing high temperature indicator, warning for hurt by touch.



LED selectable
Display temperature and speed at the same time, and remember the last working parameters



Liquid drainage
Above the control board
Avoid the solution splashing on the touch board.



Ceramic top plate
Great anti-corrosive ability to acid, base, or organic solvents.



Specifications

Model	WH420	WH620
Order No.	400315	400316
Number of stirring positions	4	6
Maximum temperature setting [$^\circ\text{C}$]	300	300
Maximum temperature setting with E-sensor [$^\circ\text{C}$]	300	300
Safety temperature [$^\circ\text{C}$]	370	370
Temperature stability with E-sensor [$^\circ\text{C}$]*	± 1	± 1
Total heating output [W]	1000	1500
External temperature sensor	Pt100	Pt100
PID parameter	1 set	1 set
Speed setting range [rpm]	150~1500	150~1500
Stirring quantity max [L / H_2O]	2	2
Temperature and Speed display	LED display	LED display
Temperature and Speed setting	Turning knob	Turning knob
Time setting	1~9959min / continuous	1~9959min / continuous
IP code	IP21	IP21
Top plate material	Aluminium coated with ceramic	Aluminium coated with ceramic
Top plate dimensions [mm]	(160x155) x4	(150x133) x6
RS 232 interface	Yes	Yes
Dimensions W x D x H [mm]	405x320x80	525x320x87
Weight [kg]	8.5	9.0
Power supply	220V/50Hz	220V/50Hz

*Measured with 500ml water at 80 $^\circ\text{C}$

Standard package includes: Hot plate / stirrer, thermocouple sensor PT100-01 with holder and clamp, stirrer bar 4pcs or 6pcs (Order No. 1.230.8)