



VWR™ Hotplate/Stirrers

Performance

Selection

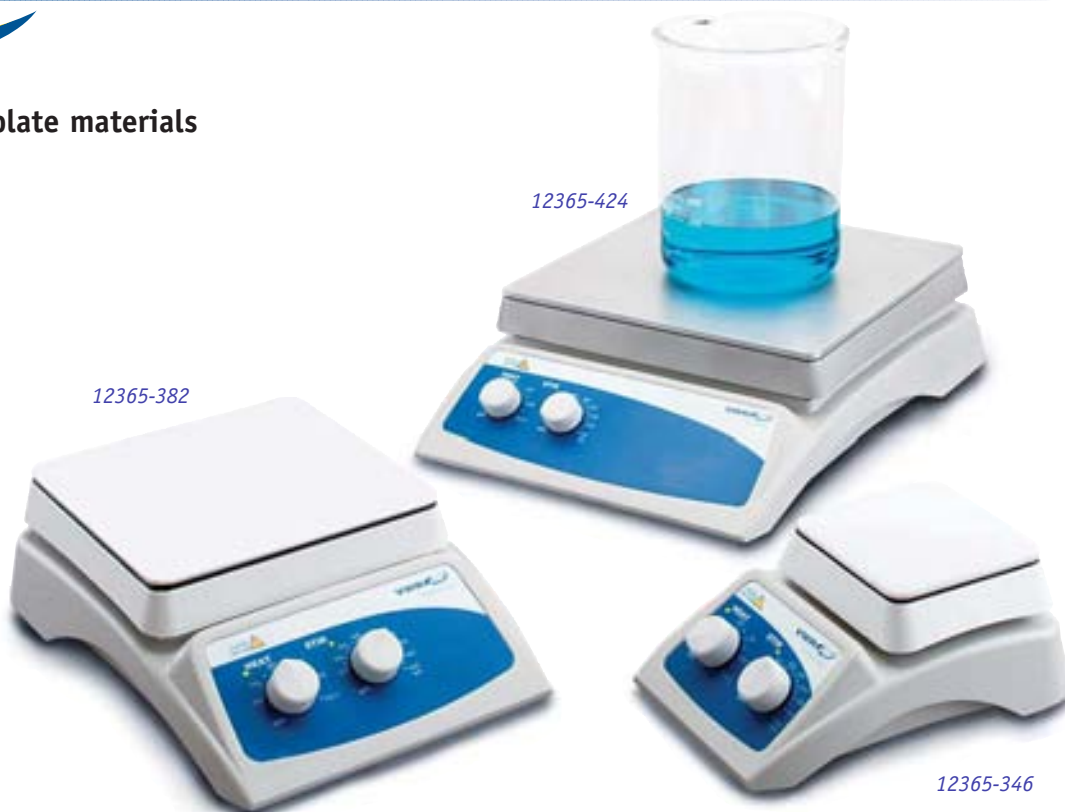
Control

Two Year Limited Warranty

VWR™ 600 Series Standard Hotplates, Stirrers and Hotplate/Stirrers

- Ceramic or aluminum top plate materials
- Support rod holder
- Hot top indicator

VWR 600 Series Standard hotplates, stirrers, and hotplate/stirrers are designed for general laboratory heating and stirring. Low profile design takes up less space and fits into fume hoods. Spill-resistant housing channels fluids away from internal components. Front panel features easy-to-use controls which allow users to dial-in adjustments. Rear housing features a built in support rod holder with locking knob that accepts the optional support rod and clamp kit. Kit includes 18" (45.7cm) support rod, thermometer/temperature probe extension clamp, 3-prong medium swivel clamp, and hook connector.



support rod holder

Micro-processor control - Regulates both heating and stirring and brings samples to temperature quickly and accurately. Speed is precisely controlled, and provides consistent stirring at all speeds. Ramping feature slowly increases speed to avoid splashing, improves magnetic coupling and provides excellent low end control. Powerful continuous duty motor delivers dependable and reliable stirring.

Hot top indicator - For additional safety, hot symbol warning light is illuminated when heat is turned on. Remains on until top plate cools down (for heating models).

Ceramic or aluminum top plate materials - Ceramic tops feature a chemical resistant, reflective white top plate surface that's easy to clean. Durable aluminum tops will not crack or chip, and provide a more even heating surface.



Specifications



Dimensions, Top Plate:		4 x 4" (10.2 x 10.2cm)	7 x 7" (17.8 x 17.8cm)	10 x 10" (25.4 x 25.4cm)
Temperature range	ceramic:	30° to 500°C	30° to 500°C	30° to 500°C
	aluminum:	30° to 400°C	30° to 400°C	30° to 400°C
Temperature stability	ceramic*:	+/-3%	+/-3%	+/-3%
	aluminum*:	+/-2%	+/-2%	+/-2%
Speed range	ceramic:	60 to 1600rpm	60 to 1600rpm	60 to 1600rpm
	aluminum:	60 to 1600rpm	60 to 1600rpm	60 to 1200rpm
Speed stability:		+/-2%	+/-2%	+/-2%
Maximum capacity:		600mL	2500mL	6000mL
Dimensions, overall:		9L x 6W x 3.4H" (22.9 x 15.2 x 8.6cm)	12.25L x 8.6W x 3.4H" (31.1 x 21.8 x 8.6cm)	15.25L x 11.6W x 3.4H" (38.7 x 29.5 x 8.6cm)
Shipping weight:		5.6lbs (2.5kg)	8.7lbs (3.9kg)	14.6lbs (6.6kg)

* Below 100°C +/-2°C. Environmental and sample conditions permitting.

VWR™ 600 Series Standard Ordering Information

Units include a detachable, 3-wire cord and plug (230 volt units are supplied with Euro type plug). Stirrers and hotplate/stirrers are supplied with a PTFE coated spin bar. Two year VWR limited warranty.▲

Hotplates

	Model #	Top Plate Material	Electrical (50/60 Hz)	VWR Cat. No.	List Price
4 x 4	610-HP	Ceramic	120V 1.6amps 190 watts	12365-342	\$198.60
	610-HP	Ceramic	230V .83amps 190 watts	12365-354	\$295.17
	615-HP	Aluminum	120V 1.7amps 200 watts	12365-348	\$218.41
	615-HP	Aluminum	230V .87amps 200 watts	12365-360	\$291.56
7 x 7	620-HP	Ceramic	120V 7.3amps 875 watts	12365-378	\$216.32
	620-HP	Ceramic	230V 3.8amps 875 watts	12365-390	\$292.97
	625-HP	Aluminum	120V 5.2amps 625 watts	12365-384	\$265.54
	625-HP	Aluminum	230V 2.7amps 625 watts	12365-396	\$345.90
10 x 10	630-HP	Ceramic	120V 8.5amps 1025 watts	12365-414	\$372.02
	630-HP	Ceramic	230V 4.5amps 1025 watts	12365-426	\$424.33
	635-HP	Aluminum	120V 8.5amps 1025 watts	12365-420	\$420.26
	635-HP	Aluminum	230V 4.5amps 1025 watts	12365-432	\$466.07

Stirrers

	Model #	Top Plate Material	Electrical (50/60 Hz)	VWR Cat. No.	List Price
4 x 4	610-S	Ceramic	120V .5amps 50 watts	12365-344	\$251.27
	610-S	Ceramic	230V .25amps 50 watts	12365-356	\$332.47
	615-S	Aluminum	120V .5amps 50 watts	12365-350	\$284.24
	615-S	Aluminum	230V .25amps 50 watts	12365-362	\$363.66
7 x 7	620-S	Ceramic	120V .5amps 50 watts	12365-380	\$262.30
	620-S	Ceramic	230V .25amps 50 watts	12365-392	\$361.00
	625-S	Aluminum	120V .5amps 50 watts	12365-386	\$289.67
	625-S	Aluminum	230V .25amps 50 watts	12365-398	\$408.60
10 x 10	630-S	Ceramic	120V .5amps 50 watts	12365-416	\$406.51
	630-S	Ceramic	230V .25amps 50 watts	12365-428	\$423.23
	635-S	Aluminum	120V .5amps 50 watts	12365-422	\$434.72
	635-S	Aluminum	230V .25amps 50 watts	12365-434	\$467.12

Hotplate/Stirrers

	Model #	Top Plate Material	Electrical (50/60 Hz)	VWR Cat. No.	List Price
4 x 4	610-HPS	Ceramic	120V 2amps 240 watts	12365-346	\$361.00
	610-HPS	Ceramic	230V 1amp 240 watts	12365-358	\$393.97
	615-HPS	Aluminum	120V 2amps 250 watts	12365-352	\$410.69
	615-HPS	Aluminum	230V 1.1amps 250 watts	12365-364	\$437.86
7 x 7	620-HPS	Ceramic	120V 7.5amps 900 watts	12365-382	\$382.95
	620-HPS	Ceramic	230V 3.9amps 900 watts	12365-394	\$459.80
	625-HPS	Aluminum	120V 5.4amps 650 watts	12365-388	\$444.39
	625-HPS	Aluminum	230V 2.8amps 650 watts	12365-400	\$525.64
10 x 10	630-HPS	Ceramic	120V 8.75amps 1050 watts	12365-418	\$503.69
	630-HPS	Ceramic	230V 4.6amps 1050 watts	12365-430	\$589.77
	635-HPS	Aluminum	120V 8.75amps 1050 watts	12365-424	\$569.53
	635-HPS	Aluminum	230V 4.6amps 1050 watts	12365-436	\$642.68

Accessories

Description	VWR Cat. No.	List Price
Support rod and clamp kit	11301-110	\$83.00

VWR™ 700 Series Advanced Hotplates and Hotplate/Stirrers

- LED display
- Overshoot protection
- On-board memory recalls last set temperature

VWR 700 Series Advanced hotplates and hotplate/stirrers deliver accurate and repeatable results. Low profile, space saving design takes up less space in the lab. Spill-resistant housing channels fluids away from internal components. Front panel features easy-to-use controls which allow users to dial-in adjustments. Integral support rod holder with locking knob accepts the optional support rod and clamp kit. Kit includes 18" (45.7cm) support rod, thermometer/temperature probe extension clamp, 3-prong medium swivel clamp, and hook connector.

Micro-processor control - Regulates both heating and stirring functions. Samples are heated to temperature quickly and accurately. Speed is precisely controlled, and provides consistent stirring throughout the entire range. Ramping feature slowly increases speed to avoid splashing, improves magnetic coupling and provides excellent low speed control.

Ceramic or aluminum top plate materials - Ceramic tops feature a chemical resistant, reflective white top plate surface that's easy to clean. Durable aluminum tops will not crack or chip, and provide a more even heating surface.



LED display - Shows set point temperature. Display is easy-to-read and provides repeatable and accurate results every time.

Hot top indicator - For additional safety, hot symbol warning light is illuminated when heat is turned on. Remains on until top plate cools down (for heating models).

Stir protection - If stirrer motor stops or fails, unit will automatically shut down heater (for stirring models).

Overshoot protection - If unit exceeds set temperature by 10°C unit will automatically shut down.

Recall last temp - Built-in memory allows users to recall last set temperature even when unit has been turned off.



12365-452



11301-110
(optional)



12365-480

Specifications



Dimensions, Top Plate:	4 x 4" (10.2 x 10.2cm)	7 x 7" (17.8 x 17.8cm)	10 x 10" (25.4 x 25.4cm)
Temperature range	ceramic: ambient +5°C to 500°C aluminum: ambient +5°C to 400°C	ambient +5°C to 500°C ambient +5°C to 400°C	ambient +5°C to 500°C ambient +5°C to 400°C
Temperature stability	ceramic*: +/-3% aluminum* [†] : +/-2%	+/-3% +/-2%	+/-3% +/-2%
Speed range	ceramic: 60 to 1600rpm aluminum: 60 to 1600rpm	60 to 1600rpm 60 to 1600rpm	60 to 1600rpm 60 to 1200rpm
Speed stability:	+/-2%	+/-2%	+/-2%
Maximum capacity:	600mL	2500mL	6000mL
Dimensions, overall:	9L x 6W x 3.4H" (22.9 x 15.2 x 8.6cm)	12.25L x 8.6W x 3.4H" (31.1 x 21.8 x 8.6cm)	15.25L x 11.6W x 3.4H" (38.7 x 29.5 x 8.6cm)
Shipping weight:	5.6lbs (2.5kg)	8.7lbs (3.9kg)	14.6lbs (6.6kg)

* Below 100°C +/-2°C. Environmental and sample conditions permitting.

VWR™ 700 Series Advanced Ordering Information

Units include a detachable, 3-wire cord and plug (230 volt units are supplied with Euro type plug). Hotplate/stirrers are supplied with a PTFE coated spin bar. Two year VWR limited warranty.▲

Hotplates

	Model #	Top Plate Material	Electrical (50/60 Hz)	VWR Cat. No.	List Price
4 x 4	710-HP	Ceramic	120V 1.6amps 190 watts	12365-450	\$203.00
	710-HP	Ceramic	230V .83amps 190 watts	12365-458	\$297.83
	715-HP	Aluminum	120V 1.7amps 200 watts	12365-454	\$242.49
	715-HP	Aluminum	230V .87amps 200 watts	12365-462	\$343.81
7 x 7	720-HP	Ceramic	120V 7.3amps 875 watts	12365-474	\$227.13
	720-HP	Ceramic	230V 3.8amps 875 watts	12365-482	\$312.46
	725-HP	Aluminum	120V 5.2amps 625 watts	12365-478	\$268.83
	725-HP	Aluminum	230V 2.7amps 625 watts	12365-486	\$350.08
10 x 10	730-HP	Ceramic	120V 8.5amps 1025 watts	12365-498	\$382.93
	730-HP	Ceramic	230V 4.5amps 1025 watts	12365-506	\$423.23
	735-HP	Aluminum	120V 8.5amps 1025 watts	12365-502	\$455.62
	735-HP	Aluminum	230V 4.5amps 1025 watts	12365-510	\$506.83

Hotplate/Stirrers

	Model #	Top Plate Material	Electrical (50/60 Hz)	VWR Cat. No.	List Price
4 x 4	710-HPS	Ceramic	120V 2amps 240 watts	12365-452	\$372.02
	710-HPS	Ceramic	230V 1amp 240 watts	12365-460	\$402.33
	715-HPS	Aluminum	120V 2amps 250 watts	12365-456	\$437.86
	715-HPS	Aluminum	230V 1.1amps 250 watts	12365-464	\$475.48
7 x 7	720-HPS	Ceramic	120V 7.5amps 900 watts	12365-476	\$393.97
	720-HPS	Ceramic	230V 3.9amps 900 watts	12365-484	\$461.89
	725-HPS	Aluminum	120V 5.4amps 650 watts	12365-480	\$468.53
	725-HPS	Aluminum	230V 2.8amps 650 watts	12365-488	\$543.40
10 x 10	730-HPS	Ceramic	120V 8.75amps 1050 watts	12365-500	\$525.64
	730-HPS	Ceramic	230V 4.6amps 1050 watts	12365-508	\$611.33
	735-HPS	Aluminum	120V 8.75amps 1050 watts	12365-504	\$630.14
	735-HPS	Aluminum	230V 4.6amps 1050 watts	12365-512	\$709.56

Accessories

Description	VWR Cat. No.	List Price
Support rod and clamp kit	11301-110	\$83.00

Sample Applications

Evaporating Solvents	Distillation Procedures
Dissolving Media	Drying
Facilitating Crystallization	Suspensions
Chemical Reactions	Titration
Heating Oil and Water Baths	Boiling Procedures



VWR Signature™ 800 Series Hotplates, Stirrers and Hotplate/Stirrers

- Display for speed, temperature, and time
- External temperature probe
- Safety system protects operator
- Ceramic or aluminum top plate materials

VWR Signature 800 Series hotplates, stirrers, and hotplate/stirrers are designed for applications that require exceptional accuracy, stability and repeatability. Exclusive safety system helps protect operator and sample. Powerful micro-processor control offers an external probe option that delivers +/-1% temperature stability. Stirring function, with continuous duty motor and magnet, maintains set speed even under changing load or viscosity. Separate LED displays for temperature, speed and time allow operator to view all settings at once. Display is easily visible from outside fume hoods or across lab benches. Spill-resistant housing channels fluids away from internal components. Hotplates and hotplate/stirrers are supplied with a probe kit package. The probe kit includes 8" (20.3cm) stainless steel probe, 18" (45.7cm) support rod, thermometer/temperature probe extension clamp and hook connector.



Safety system includes:

Maximum temperature limiting - User defined plate limiting temperature ensures unit will never exceed users programmed limit, allowing for control of sensitive flash points (for heating models).

Probe protection - If probe disengages from sample, unit will automatically shut off heater (for heating models).

Stir protection - If stirrer motor stops or fails, unit will automatically shut down heater (for stirring models).

Overshoot protection - If unit exceeds set temperature by 10°C unit will automatically shut down (for heating models).

Hot top indicator - For additional safety, hot symbol warning light is illuminated when heat is turned on. Remains on until top plate cools down (for heating models).

Audible alarm - In timed mode alarm will sound when time reaches zero or when unit reaches set-point temperature (for heating models).

Micro-processor control - Regulates both heating and stirring functions. Samples are heated to temperature quickly and accurately. Speed is precisely controlled, and provides consistent stirring throughout the entire range. Ramping feature slowly increases speed to avoid splashing, improves magnetic coupling and provides excellent low speed control.

LED display - Shows set point and actual temperatures, speed from 60 to 1600rpm and time from 1 second to 160 hours. Display is easy-to-read and provides repeatable and accurate results every time. Timer will display elapsed time or when programmed to user defined limit, will shut off unit when time reaches zero.

Ceramic or aluminum top plate materials - Ceramic tops feature a chemical resistant, reflective white top plate surface that's easy to clean. Durable aluminum tops will provide a more even heating surface and will not crack or chip.

Optional NIST traceable certificate -

Includes a 4 point NIST traceable calibration. The traceable certificate includes actual calibration measurement data and uncertainty. The calibration laboratory is NVLAP accredited to the ISO/IEC 17025 standard (for heating models).

Ordering Information

Units include a detachable, 3-wire cord and plug (230 volt units are supplied with Euro type plug). Stirrers and hotplate/stirrers are supplied with a PTFE coated spin bar. Two year VWR limited warranty.▲

Specifications



Dimensions, Top Plate:		7 x 7" (17.8 x 17.8cm)	10 x 10" (25.4 x 25.4cm)
Temperature range	ceramic: aluminum:	ambient +5°C to 500°C ambient +5°C to 400°C	ambient +5°C to 500°C ambient +5°C to 400°C
Temperature stability		+/-1%	+/-1%
Speed range	ceramic: aluminum:	60 to 1600rpm 60 to 1600rpm	60 to 1600rpm 60 to 1200rpm
Speed stability:		+/-2%	+/-2%
Maximum capacity:		2500mL	6000mL
Dimensions, overall:		12.25L x 8.6W x 3.4H" (31.1 x 21.8 x 8.6cm)	15.25L x 11.6W x 3.4H" (38.7 x 29.5 x 8.6cm)
Shipping weight:		9.5lbs (4.3kg)	15.4lbs (7kg)

* Below 100°C +/-1°C. Environmental and sample conditions permitting.

VWR Signature™ 800 Series Ordering Information

Hotplates

	Model #	Top Plate Material	Electrical (50/60 Hz)	VWR Cat. No.	List Price
7 x 7	810-HP	Ceramic	120V 7.3amps 875 watts	11301-006	\$657.31
	810-HP	Ceramic	230V 3.8amps 875 watts	11301-026	\$853.77
	815-HP	Aluminum	120V 5.2amps 625 watts	11301-016	\$803.61
	815-HP	Aluminum	230V 2.7amps 625 watts	11301-036	\$1043.96
10 x 10	820-HP	Ceramic	120V 8.5amps 1025 watts	11301-058	\$855.86
	820-HP	Ceramic	230V 4.5amps 1025 watts	11301-078	\$1001.11
	825-HP	Aluminum	120V 8.5amps 1025 watts	11301-068	\$1023.06
	825-HP	Aluminum	230V 4.5amps 1025 watts	11301-088	\$1196.53

Hotplates with NIST Traceable Certificates

	Model #	Top Plate Material	Electrical (50/60 Hz)	VWR Cat. No.	List Price
7 x 7	810-HP	Ceramic	120V 7.3amps 875 watts	11301-008	\$982.30
	810-HP	Ceramic	230V 3.8amps 875 watts	11301-028	\$1174.58
	815-HP	Aluminum	120V 5.2amps 625 watts	11301-018	\$1139.05
	815-HP	Aluminum	230V 2.7amps 625 watts	11301-038	\$1379.40
10 x 10	820-HP	Ceramic	120V 8.5amps 1025 watts	11301-060	\$1195.48
	820-HP	Ceramic	230V 4.5amps 1025 watts	11301-080	\$1340.74
	825-HP	Aluminum	120V 8.5amps 1025 watts	11301-070	\$1383.58
	825-HP	Aluminum	230V 4.5amps 1025 watts	11301-090	\$1557.05

Stirrers

	Model #	Top Plate Material	Electrical (50/60 Hz)	VWR Cat. No.	List Price
7 x 7	810-S	Ceramic	120V .5amps 50 watts	11301-010	\$688.66
	810-S	Ceramic	230V .25amps 50 watts	11301-030	\$894.52
	815-S	Aluminum	120V .5amps 50 watts	11301-020	\$834.96
	815-S	Aluminum	230V .25amps 50 watts	11301-040	\$1081.58
10 x 10	820-S	Ceramic	120V .5amps 50 watts	11301-062	\$866.31
	820-S	Ceramic	230V .25amps 50 watts	11301-082	\$929.01
	825-S	Aluminum	120V .5amps 50 watts	11301-072	\$1012.61
	825-S	Aluminum	230V .25amps 50 watts	11301-092	\$1083.67

Hotplate/Stirrers

	Model #	Top Plate Material	Electrical (50/60 Hz)	VWR Cat. No.	List Price
7 x 7	810-HPS	Ceramic	120V 7.5amps 900 watts	11301-012	\$793.16
	810-HPS	Ceramic	230V 3.9amps 900 watts	11301-032	\$895.57
	815-HPS	Aluminum	120V 5.4amps 650 watts	11301-022	\$935.28
	815-HPS	Aluminum	230V 2.8amps 650 watts	11301-042	\$1055.45
10 x 10	820-HPS	Ceramic	120V 8.75amps 1050 watts	11301-064	\$1106.66
	820-HPS	Ceramic	230V 4.6amps 1050 watts	11301-084	\$1316.70
	825-HPS	Aluminum	120V 8.75amps 1050 watts	11301-074	\$1326.11
	825-HPS	Aluminum	230V 4.6amps 1050 watts	11301-094	\$1577.95

Hotplate/Stirrers with NIST Traceable Certificates

	Model #	Top Plate Material	Electrical (50/60 Hz)	VWR Cat. No.	List Price
7 x 7	810-HPS	Ceramic	120V 7.5amps 900 watts	11301-014	\$1122.33
	810-HPS	Ceramic	230V 3.9amps 900 watts	11301-034	\$1224.74
	815-HPS	Aluminum	120V 5.4amps 650 watts	11301-024	\$1279.08
	815-HPS	Aluminum	230V 2.8amps 650 watts	11301-044	\$1400.30
10 x 10	820-HPS	Ceramic	120V 8.75amps 1050 watts	11301-066	\$1435.83
	820-HPS	Ceramic	230V 4.6amps 1050 watts	11301-086	\$1645.88
	825-HPS	Aluminum	120V 8.75amps 1050 watts	11301-076	\$1661.55
	825-HPS	Aluminum	230V 4.6amps 1050 watts	11301-096	\$1913.40

VWR™ Multi-Position Stirrers

- Stir up to 9 vessels at once
- Micro-processor speed control
- Synchronized and uniform mixing
- Low profile design

Powerful magnetic stirrers with precise speed control offer repeatable performance. Synchronized operation ensures uniform mixing at each position.

Ramping feature - Slowly brings sample to set speed to avoid splashing, improve magnetic coupling and provide excellent low speed stirring.

Large top plate - With position indicators is easy to clean and provides a white reflective surface.

Low profile design - Takes up less space and easily fits into fume hoods. Spill-resistant housing channels fluids away from internal components. Cast metal base offers durability and added stability.

Standard series - Offers a basic speed control knob with 1 to 10 dial markings.



Specifications



Speed range:	60 to 1400rpm
Speed stability:	+/-2%
Top plate material:	glass filled nylon
Power:	85 watts
Dimensions, top plate:	12.5L x 11W" (31.8 x 27.9cm)
Dimensions, overall:	17L x 11W x 4H" (43.2 x 27.9 x 10.2cm)
Ship weight:	14.75lbs (6.7kg)

Advanced series - Offers a touch pad control with LED display for speed and is adjustable in 10rpm increments. Timer will display elapsed time or when programmed to user defined limit, will shut off unit when time reaches zero. In timed mode an audible alarm will sound when time reaches zero.

Ordering Information

Units include a detachable, 3-wire cord and plug (230 volt units are supplied with Euro type plug). Units are also supplied with a PTFE coated spin bar. Two year VWR limited warranty.▲

Standard Series

Description	Electrical (50/60 Hz)	Positions	Max Volume	Max Vessel Dia.	VWR Cat. No.	List Price
650 Standard Multi-position 4	120V 1.3amps	4	1L	13cm	12621-018	\$729.00
650 Standard Multi-position 4	230V .65amps	4	1L	13cm	12621-020	\$803.00
650 Standard Multi-position 5	120V 1.3amps	5	600mL	9.5cm	12621-026	\$849.00
650 Standard Multi-position 5	230V .65amps	5	600mL	9.5cm	12621-028	\$975.00
650 Standard Multi-position 6	120V 1.3amps	6	400mL	8cm	12621-034	\$899.00
650 Standard Multi-position 6	230V .65amps	6	400mL	8cm	12621-036	\$1033.00
650 Standard Multi-position 9	120V 1.3amps	9	250mL	7.5cm	12621-042	\$1099.00
650 Standard Multi-position 9	230V .65amps	9	250mL	7.5cm	12621-044	\$1263.00

Advanced Series

Description	Electrical (50/60 Hz)	Positions	Max Volume	Max Vessel Dia.	VWR Cat. No.	List Price
750 Advanced Multi-position 4	120V 1.3amps	4	1L	13cm	12621-022	\$949.00
750 Advanced Multi-position 4	230V .65amps	4	1L	13cm	12621-024	\$1095.00
750 Advanced Multi-position 5	120V 1.3amps	5	600mL	9.5cm	12621-030	\$1149.00
750 Advanced Multi-position 5	230V .65amps	5	600mL	9.5cm	12621-032	\$1321.00
750 Advanced Multi-position 6	120V 1.3amps	6	400mL	8cm	12621-038	\$1219.00
750 Advanced Multi-position 6	230V .65amps	6	400mL	8cm	12621-040	\$1401.00
750 Advanced Multi-position 9	120V 1.3amps	9	250mL	7.5cm	12621-046	\$1489.00
750 Advanced Multi-position 9	230V .65amps	9	250mL	7.5cm	12621-048	\$1712.00

VWR™ Slow Speed Stirrers

- Ideal for cell culture applications
- Micro-processor speed control
- Low profile design
- Slow start/stop feature

Designed for growth of suspension and micro carrier cell cultures. Slow speed stirrers work with cell culture flasks and other vessels designed for slow magnetic stirring. Precise, micro-processor control accurately maintains speed from 1 to 150rpm.

Powerful magnet - Offers strong coupling to impellers or spin bars. Ramping feature slowly brings samples to set speed. Efficient drive motor eliminates heat transfer to sample.

Large top plate - With position indicators is easy to clean and provides a white reflective surface.

Low profile design - Takes up less space and easily fits into most incubators. Spill-resistant housing channels fluids away from internal components. Cast metal base offers durability and added stability. Ideal for use in incubators, CO₂ incubators or cold rooms (-10°C to 60°C), 80% relative humidity, non condensing environment.

Standard series - Offers a basic speed control knob with 1 to 10 dial markings.



12621-080



12621-066

Specifications



	4 Position/10L	1 Position
Speed range:	1 to 150rpm	1 to 150rpm
Top plate material:	glass filled nylon	aluminum
Dimensions, top plate:	12.5L x 11W" (31.8 x 27.9cm)	7L x 7W" (17.8 x 17.8cm)
Dimensions, overall:	17L x 11W x 4H" (43.2 x 27.9 x 10.2cm)	12.25L x 8.6W x 3.4H" (31.1 x 21.8 x 8.6cm)
Ship weight:	14.5lbs (6.6kg)	8.8lbs (4kg)

Advanced series - Offers a touch pad control with LED display for speed and is adjustable in 1rpm increments. Timer will display elapsed time or when programmed to user defined limit, will shut off unit when time reaches zero.

Ordering Information

Units include a detachable, 3-wire cord and plug (230 volt units are supplied with Euro type plug). Two year VWR limited warranty.▲

Standard Series

Description	Electrical (50/60 Hz)	Positions	Top Plate	Max Volume	Max Vessel Dia.	VWR Cat. No.	List Price
655 Standard Slow Speed Stirrer 1	120V .14amps 7.2 watts	1	7 x 7"	2L	13cm	12621-066	\$629.00
655 Standard Slow Speed Stirrer 1	230V .14amps 14.4 watts	1	7 x 7"	2L	13cm	12621-068	\$692.00
655 Standard Slow Speed Stirrer 4	120V .14amps 7.2 watts	4	12.5 x 11"	1L	10cm	12621-076	\$1149.00
655 Standard Slow Speed Stirrer 4	230V .14amps 14.4 watts	4	12.5 x 11"	1L	10cm	12621-078	\$1265.00

Advanced Series

Description	Electrical (50/60 Hz)	Positions	Top Plate	Max Volume	Max Vessel Dia.	VWR Cat. No.	List Price
755 Advanced Slow Speed Stirrer 1	120V .14amps 7.2 watts	1	7 x 7"	2L	13cm	12621-070	\$799.00
755 Advanced Slow Speed Stirrer 1	230V .14amps 14.4 watts	1	7 x 7"	2L	13cm	12985-064	\$879.00
755 Advanced Slow Speed Stirrer 4	120V .14amps 7.2 watts	4	12.5 x 11"	1L	13cm	12621-080	\$1449.00
755 Advanced Slow Speed Stirrer 4	230V .14amps 14.4 watts	4	12.5 x 11"	1L	13cm	12621-082	\$1595.00
755 Advanced Slow Speed Stirrer 10L	120V .14amps 7.2 watts	1	12.5 x 11"	10L	13cm	12621-072	\$1099.00
755 Advanced Slow Speed Stirrer 10L	230V .14amps 14.4 watts	1	12.5 x 11"	10L	13cm	12621-074	\$1209.00

VWR™ High Volume Stirrers

- **Powerful motor and magnet mix up to 25L of liquid**
- **Large top plate surface**
- **Micro-processor controls**

VWR high volume stirrers are designed for large capacity applications. Powerful magnet and motor offer exceptional magnetic coupling force capable of stirring 25L.

Micro-processor speed control - Precisely regulates speed through the entire range.

Ramping feature - Slowly increases speed to avoid splashing and improve spin bar control.

Large top plate - Surface accommodates oversized vessels. Strong cast aluminum base can handle heavy loads. Spill-resistant housing channels fluids away from internal components.

Standard series - Offers a basic speed control knob with 1 to 10 dial markings.

Advanced series - Offers a touch pad control with LED display for speed and is adjustable in 10rpm increments. Timer will display elapsed time or when programmed to user defined limit, will shut off unit when time reaches zero. In timed mode an audible alarm will sound when time reaches zero.



12621-054

Specifications



Speed range:	60 to 1400rpm
Speed stability:	+/-2%
Maximum capacity(H₂O):	25L
Top plate material:	glass filled nylon
Power:	75 watts
Dimensions, top plate:	12.5L x 11W" (31.8 x 27.9cm)
Dimensions, overall:	17L x 11W x 4H" (43.2 x 27.9 x 10.2cm)
Ship weight:	14.6lbs (6.6kg)

Ordering Information

Units include a detachable, 3-wire cord and plug (230 volt units are supplied with Euro type plug). Units are also supplied with a PTFE coated spin bar. Two year VWR limited warranty.▲

Standard Series

Description	Electrical (50/60 Hz)	VWR Cat. No.	List Price
660 Standard High Volume Stirrer	120V 1.3amps	12621-050	\$569.00
660 Standard High Volume Stirrer	230V .65amps	12621-052	\$625.00

Advanced Series

Description	Electrical (50/60 Hz)	VWR Cat. No.	List Price
760 Advanced High Volume Stirrer	120V 1.3amps	12621-054	\$649.00
760 Advanced High Volume Stirrer	230V .65amps	12621-056	\$715.00

VWR™ Dyla Series Hotplates, Stirrers and Hotplate/Stirrers

- Large 6.5" diameter cast aluminum top plate
- Stirs from 100 to 1200rpm
- Heats up to 400°C
- 1500mL capacity
- Built-in support rod holder

The economical and durable Dyla series hotplate, stirrer and hotplate/stirrers are ideal for general heating and stirring. Large 6.5" (16.5cm) diameter cast aluminum top plate provides a stable platform for large vessels. Even heating surface is capable of boiling water or stirring with ease up to 1500mL of water. Electronic speed control and bi-metallic thermostat delivers reliable and repeatable temperature and speed control. Powerful heater reaches maximum temperature in only minutes. Large magnet provides strong magnetic coupling to the spin bar. Indicator lights illuminate when unit is turned on. Built-in support rod holder with locking knob accepts optional support rod and clamp kit for mounting thermometers and temperature probes. Kit includes 18" (45.7cm) support rod, thermometer extension clamp, 3-prong medium swivel clamp, and hook connector. Optional support plate allows unit to be mounted to lab frames or ring stands.



12620-970

Specifications



Temperature range:	to 400°C
Speed range:	100 to 1200rpm
Maximum capacity:	1500mL
Top plate material:	aluminum
Dimensions, top plate:	6.5" diameter (16.5cm)
Dimensions, overall:	8.75L x 8W x 4.75H" (22.2 x 20.3 x 12.1cm)
Ship weight:	4.6lbs (2.1kg)

Ordering Information

Units include a 72" (183cm) 3-wire cord with plug (230 volt units are supplied with Euro type plug). Stirrer and hotplate/stirrer are supplied with a PTFE coated spin bar. Two year VWR limited warranty.▲

Dylatherm Hotplate

Description	Electrical (50/60 Hz)	VWR Cat. No.	List Price
Dylatherm® Hotplate	120V 10amps 575 watts	12620-978	\$149.00
Dylatherm® Hotplate	230V 5amps 575 watts	12620-980	\$165.00

Dylastir Stirrer

Description	Electrical (50/60 Hz)	VWR Cat. No.	List Price
Dylastir® Stirrer	120V .5amps 20 watts	12620-974	\$189.00
Dylastir® Stirrer	230V .25amps 20 watts	12620-976	\$209.00

Dyla-Dual Hotplate/Stirrer

Description	Electrical (50/60 Hz)	VWR Cat. No.	List Price
Dyla-Dual® Hotplate/Stirrer	120V 10amps 575 watts	12620-970	\$295.00
Dyla-Dual® Hotplate/Stirrer	230V 5amps 575 watts	12620-972	\$325.00

Accessories

Model #	VWR Cat. No.	List Price
Support plate, 9.5L x 6.5W" (24.1 x 16.5cm)	11301-124	\$89.00
Support rod and clamp kit	11301-110	\$83.00

VWR™ Mini Hotplates, Stirrers and Hotplate/Stirrers

- Heats up to 400°C
- Stirs from 100 to 1200rpm
- Heats and stirs up to 1000mL of water
- Built-in support rod holder
- Cast aluminum top plate
- Available in three colors
- Ideal for educational labs

These rugged and compact hotplates, stirrers and hotplate/stirrers heat and stir up to 1000mL of water. Durable 4.5" (11.4cm) diameter cast aluminum top plate provides an even heating surface. Bi-metallic thermostat offers reliable temperature control. Powerful heater reaches maximum temperature in only minutes. Electronic speed control adjusts stirring from 100 to 1200rpm. Powerful motor and magnet deliver reliable and consistent stirring. Compact design saves bench space and is ideal for educational labs. The built-in support rod holder with locking knob allows a .5" (1.3cm) diameter rod to be directly attached to the unit or accepts optional support rod and clamp kit. Kit includes 18" (45.7cm) support rod, thermometer extension clamp, 3-prong medium swivel clamp, and hook connector. Optional support plate allows unit to be mounted to lab frames or ring stands.



11301-110
(optional)

12621-010

12620-984

12620-994

Specifications



Temperature range:	to 400°C
Speed range:	100 to 1200rpm
Maximum capacity:	1000mL
Top plate material:	aluminum
Dimensions, top plate:	4.5" diameter (11.4cm)
Dimensions, overall:	6.5L x 5.75W x 4.75H" (16.5 x 14.6 x 12.1cm)
Ship weight:	3.6lbs (1.6kg)

VWR™ Mini Auto Stirrer

- Auto start and stop
- Mixes up to 1000mL of water
- Cast aluminum top plate

Ideal for applications that require repeatable results. This compact, powerful stirrer automatically starts when a beaker is placed on the aluminum top plate. When the beaker is removed, the stirring stops, but the speed setting you have set remains unchanged. Capable of mixing up to 1000mL of water. Saves power, runs only as needed, and provides an extra measure of safety by automatically turning off when the sample is removed. Optional support plate allows stirrer to be mounted to lab frames or ring stands.



12985-022

Specifications



Speed range:	100 to 1200rpm
Maximum capacity:	1000mL
Top plate material:	aluminum
Dimensions, top plate:	4.5" diameter (11.4cm)
Dimensions, overall:	6.5L x 5.75W x 4.75H" (16.5 x 14.6 x 12.1cm)
Ship weight:	3.6lbs (1.6kg)

VWR™ Mini Series Ordering Information

Units include a 72" (183cm), 3-wire cord with plug (230 volt units are supplied with Euro type plug). Stirrers and hotplate/stirrers are supplied with a PTFE coated spin bar. Two year VWR limited warranty.▲

Hotplates

Model	Color	Electrical (50/60 Hz)	VWR Cat. No.	List Price
Mini Hotplate	Volcanic Red	120V 6amps 565 watts	12621-006	\$130.27
Mini Hotplate	Volcanic Red	230V 2.5amps 430 watts	12621-012	\$140.00
Mini Hotplate	Rainforest Green	120V 6amps 565 watts	12621-008	\$130.27
Mini Hotplate	Rainforest Green	230V 2.5amps 430 watts	12621-014	\$140.00
Mini Hotplate	Ocean Blue	120V 6amps 565 watts	12621-010	\$130.77
Mini Hotplate	Ocean Blue	230V 2.5amps 430 watts	12621-016	\$140.00

Stirrers

Model	Color	Electrical (50/60 Hz)	VWR Cat. No.	List Price
Mini Stirrer	Volcanic Red	120V .5amps 20 watts	12620-994	\$161.00
Mini Stirrer	Volcanic Red	230V .25amps 20 watts	12621-000	\$179.00
Mini Stirrer	Rainforest Green	120V .5amps 20 watts	12620-996	\$161.00
Mini Stirrer	Rainforest Green	230V .25amps 20 watts	12621-002	\$179.00
Mini Stirrer	Ocean Blue	120V .5amps 20 watts	12620-998	\$161.00
Mini Stirrer	Ocean Blue	230V .25amps 20 watts	12621-004	\$179.00

Hotplate/Stirrers

Model	Color	Electrical (50/60 Hz)	VWR Cat. No.	List Price
Mini Hotplate/Stirrer	Volcanic Red	120V 6amps 565 watts	12620-982	\$270.90
Mini Hotplate/Stirrer	Volcanic Red	230V 2.5amps 430 watts	12620-988	\$315.00
Mini Hotplate/Stirrer	Rainforest Green	120V 6amps 565 watts	12620-984	\$270.90
Mini Hotplate/Stirrer	Rainforest Green	230V 2.5amps 430 watts	12620-990	\$315.00
Mini Hotplate/Stirrer	Ocean Blue	120V 6amps 565 watts	12620-986	\$270.90
Mini Hotplate/Stirrer	Ocean Blue	230V 2.5amps 430 watts	12620-992	\$315.00

Auto Stirrers

Model	Color	Electrical (50/60 Hz)	VWR Cat. No.	List Price
Mini Auto Stirrer	Gray	120V .5amps 20 watts	12985-022	\$165.00
Mini Auto Stirrer	Gray	230V .25amps 20 watts	12985-024	\$172.00

Accessories

Model #	VWR Cat. No.	List Price
Support plate, 9.5L x 6.5W" (24.1 x 16.5cm)	11301-124	\$89.00
Support rod and clamp kit	11301-110	\$83.00

VWR™ Submersible Stirrer

- Mixes up to 1500mL of water; easily stirs 100% glycerol at 20°C
- Safe, low voltage DC operation
- Electronic speed control
- 60 to 2000rpm stirring range

Compact, submersible magnetic stirrer is housed in a sealed, nickel-plated brass case mounted on a solid brass base. A 38" (96.5cm) cable connects the power supply to the stirring unit. Stirrer operates on low voltage DC and is safety fused on DC side for safe operation underwater. Unit is easily mounted to rod supports or laboratory frames with standard mounting bracket on rear of power supply. Can also be used as a mini-stirrer in lattice work.

Stirrer 58947-409 is UL and C-UL listed.



58947-409

Specifications



Speed range:	60 to 2000rpm
Maximum capacity:	1500mL
Power:	20 watts
Dimensions, stirrer:	2.75D x 2.75H" (7 x 7cm)
Dimensions, power supply:	5L x 4W x 3.5H" (12.7 x 10.2 x 8.9cm)
Ship weight:	2lbs (.9kg)

Ordering Information

Power supply comes with AC/DC converter, an on/off switch, and pilot light. 230V unit is not supplied with plug.

Ordering Information

Description	Electrical (50/60 Hz)	VWR Cat. No.	List Price
Model 230 Submersible Stirrer	120V .16amps	58947-409	\$415.09
Model 230 Submersible Stirrer	230V .08amps	58947-411	\$456.29

VWR Talon™ Clamps, Rods and Connectors



VWR Talon™ 3-Prong Dual Adjust Clamps

Dual adjust clamps offer greater flexibility because both prongs adjust over a wider range. The unique design enables secure gripping and positioning with added strength and durability.

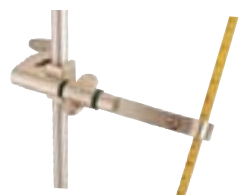
Size	Max Grip Size	Length	VWR Cat. No.	List Price
Small	1.1" (2.8cm)	6.1" (15.6cm)	21572-804	\$31.20
Medium	2.6" (6.5cm)	8.7" (22.2cm)	21572-802	\$32.50
Large	3.9" (10cm)	10.3" (26.1cm)	21572-800	\$35.40



VWR Talon™ Stainless Steel Support Rods

Vertical mounting rod designed for hotplate/stirrer. Ideal for mounting thermometer and 3-prong clamps. All rods are .5" (1.3cm) in diameter.

Length	VWR Cat. No.	List Price
12" (30cm)	60079-533	\$13.50
18" (46cm)	60079-534	\$17.70
24" (61cm)	60079-535	\$22.20
36" (91cm)	60079-536	\$31.20



VWR Talon™ Thermometer Swivel Clamp

Includes integral holder. Swivel mechanism rotates 360 degrees for positioning at any angle. Holds both thermometers or temperature probes.

Max Grip Size	Length	VWR Cat. No.	List Price
.25 to .5" (.6 to 1.3cm)	4.8" (12.2cm)	21573-060	\$25.90



VWR Talon™ Hook Connector

Allows one-handed assembly of two components with one adjustment screw.

Max Grip Size	VWR Cat. No.	List Price
up to .5" (1.3cm)	60079-166	\$7.70

VWR™ Supports

VWR™ Support Plates

Designed to hold hotplate/stirrers and other apparatus to lab-frames or ring stands. Support plates include holder for mounting to vertical rod up to .75" (1.9cm) and non-skid mat. Aluminum construction offers strength and durability.

For 4 x 4" hotplate/stirrer use support plate - 11301-124
 For 7 x 7" hotplate/stirrer use support plate - 11301-126
 For 10 x 10" hotplate/stirrer use support plate - 11301-128



Size	Dimensions	VWR Cat. No.	List Price
Small	9.5L x 6.5W" (24.1 x 16.5cm)	11301-124	\$89.00
Medium	12.75L x 9W" (32.4 x 22.9cm)	11301-126	\$143.00
Large	15.75L x 12W" (40 x 30.5cm)	11301-128	\$179.00

VWR™ Stainless Steel Support Jacks

Stable lifting platforms easily raise or lower hotplate/stirrers. Ideal for use in fume hoods, allowing air to flow under hotplate/stirrer for better ventilation and safety. Constructed of 300 series stainless steel, heavy-duty support jacks are designed for use in extreme environments and high load applications. Equipped with over-sized, sure-grip adjustment knobs that provide extra leverage for easy height adjustments. Stainless steel construction allows them to be autoclaved or chemically cleaned.

For 4 x 4" hotplate/stirrer use support jack - 14233-366
 For 7 x 7" hotplate/stirrer use support jack - 14233-368
 For 10 x 10" hotplate/stirrer use support jack - 14233-370



Deck Size	Max Ht.	Closed Ht.	Capacity	VWR Cat. No.	List Price
8L x 8W" (20.3 x 20.3cm)	13" (33cm)	3.5" (8.9cm)	55lbs (25kg)	14233-366	\$296.00
10L x 10W" (25.4 x 25.4cm)	13" (33cm)	3.5" (8.9cm)	80lbs (36kg)	14233-368	\$336.00
12L x 12W" (30.5 x 30.5cm)	19.5" (49.5cm)	4" (10.2cm)	150lbs (68kg)	14233-370	\$647.00

For more VWR Talon™ clamp, rod, connector or support information visit www.VWR.com.

▲ VWR warranty details are available at www.vwr.com.

Other Equipment and Accessories



VWR™ Vortex Mixers

Fixed Speed

- Touch mode operation
- Fixed high speed mixing of 3200rpm

One touch units are designed for high speed mixing for vigorous vortexing of samples. Starts mixing at fixed speed when the head is pressed down.



Analog

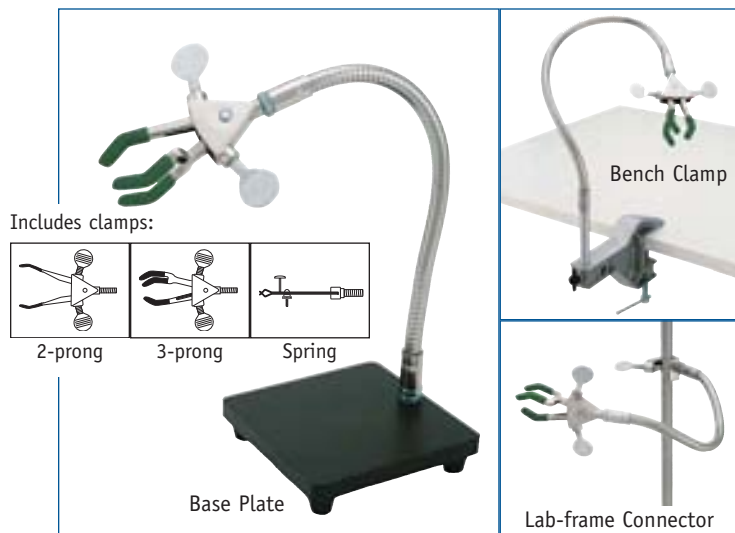
- Continuous or touch modes
- Variable speed control from 100 to 3200rpm

Variable speed with an analog control that allows low rpm startup for gentle shaking or high speed mixing for vigorous vortexing of samples.

Also available: Digital and Pulsing Vortex Mixers.

Description	VWR Cat. No.	List Price
Fixed Speed Vortex Mixer	12620-838	\$248.00
Analog Vortex Mixer	58816-121	\$305.00

VWR Talon™ Ultra Flex Support Systems



Extremely versatile with an unique flexible arm that can be placed in virtually every position or angle. The Ultra Flex comes in three different systems; base plate, lab-frame connector, and bench clamp. Flexible arm comes in 12" (30.5cm) or 18" (45.7cm). All systems include 2-prong, 3-prong and spring clamp head.

Description	VWR Cat. No.	List Price
Ultra Flex 12 with Base Plate	12621-208	\$185.00
Ultra Flex 18 with Base Plate	12621-210	\$222.00
Ultra Flex 12 with Lab-frame Connector	12621-216	\$144.77
Ultra Flex 18 with Lab-frame Connector	12621-218	\$169.95
Ultra Flex 12 with Bench Clamp	12621-212	\$165.44
Ultra Flex 18 with Bench Clamp	12621-214	\$195.70

VWR™ Microplate Shaker

- Optimized for shaking microplates or micro-tubes
- Digital display for speed and time
- Speed range of 100 to 1200rpm
- Micro-processor controls
- Timer with audible alarm
- Holds 2 or 4 microplates



Description	VWR Cat. No.	List Price
Microplate Shaker	12620-926	\$739.00

VWR™ Mini Shaker

- General purpose shaker
- Digital display for speed and time
- Speed range of 100 to 1200rpm
- Micro-processor controls
- Weight capacity of 8lbs (4kg)
- Timer with audible alarm



Description	VWR Cat. No.	List Price
Mini Shaker	12620-938	\$997.28



vwr.com 1.800.932.5000

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