

多功能攪拌機 Multi-Functional Stirrer

37

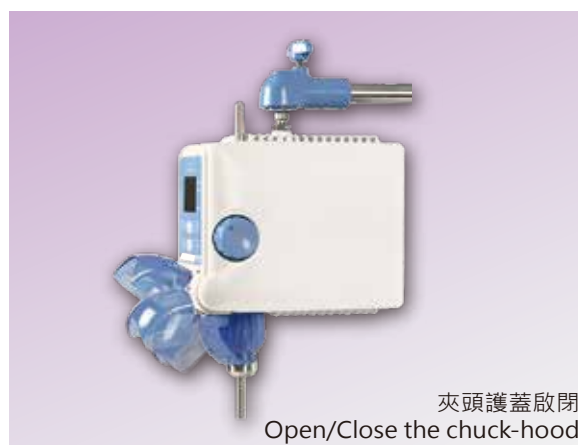
攪拌機系列
Stirrer Series



SAR-301



本體角度可調整
Adjustable body's angle



夾頭護蓋啟閉
Open/Close the chuck-hood

Model	自動型 Automatic type	SAR-301	SAR-302	SAR-304	SAR-308
	手動型 Manual type	SMR-301	SMR-302	SMR-304	SMR-308
馬力 Motor	DC80W				
轉速 Speed (rpm)		200 ~ 3,000	100 ~ 1,500	50 ~ 750	25 ~ 375
扭力 Torque (kgf · cm / N · m)		2.5 / 0.25	5 / 0.49	10 / 0.98	20 / 1.96
計時器 Timer	0 ~ 99 Hr · 59 Min (SAR系列)				
機身尺寸 Body Size (W x L x H mm)	107 x 179 x 199				
機身重量 Body net Weight (Kg)	3				
電源 Power	AC 110V/220V, 50/60Hz				

- 標準配件
 - 攪拌棒：Ø8 x 500mm
 - 攪拌葉：No.8 Ø50mm
 - 腳座：W400 x L315 x H54mm · 6kg
 - 支持夾
 - 支柱：Ø19 x 800mm
- 選購配件 (詳見P50~P52)
 - (彈壓式升降支柱請依照機身重量選購)

- Standard accessories
 - Stirring shaft：Ø8 x 500mm
 - Propeller：No.8 Ø50mm
 - Stand base：W400 x L315 x H54mm · 6kg
 - Holder
 - Pole：Ø19 x 800mm
- Optional purchasing accessories. (Ref. P50~P52)
 - (The selection of a spring-lift pole should be based on the machine body weight.)

多功能攪拌機 Multi-functional Stirrer



SAR



SMR

特點：

SAR & SMR型共通：

- 採用直流無刷馬達，高輸出功率、低震動、低噪音設計。
- 轉速穩定性高，具過熱、過電壓、過電流(過載)保護。
- 透過反饋設計，隨時因應攪拌時的負載變化，維持攪拌速度與扭力。
- 可隨需要於攪拌中手動切換運轉方向。
- 具夾頭防護裝置，可減少因不當操作所引起的危險，增加安全性。
- 新型夾頭，免用夾頭工具，使用簡便。

- 採中空軸設計，攪拌棒可上下調整。
- 本體角度可調整，適合做特殊傾斜角度攪拌。

SMR型：

- 數位式轉速顯示及運轉方向指示燈。

SAR型：

- 數位式轉速和扭力顯示。
- 運轉方向指示燈。
- 數位式定時功能 1~99 時 59 分。
- 可自行選擇自動或手動正逆轉切換。

Feature：

Common features between SAR & SMR types：

- Brushless DC motor
With a high power output, low vibration and low noise design
- With high speed stability ; with overheated, over-voltage, current overloaded protection devices
- With stable speed and torque
- Available to change the rotating direction by manual freely in the operation
- With a protective hood outside the chuck (Power is cut off as the hood is opened.)
- Tool-free in releasing / fastening the chuck for a height-adjusting of the stirring shaft
- Adjustable distance between the propeller and vessel bottom by moving the stirring shaft up-and-down going through the machine body
- Body's angle is adjustable. Fixing the body in special angles is conducive to well stir some special materials.
- Available to purchase extra from us the adapter of the stirring shaft for using a thinner stirring shaft

SMR type:

- With only RPM digital display only
- With the rotating direction indicators

SAR type:

- With RPM & torque digital displays and the rotating direction indicators
- With a time setting function (up to 99H : 59M)
- Available to select the rotating directions through an automatic or manual switch function

攪拌機配件 Stirrer Accessories



鐵氟龍攪拌棒 Teflon Stirring Shaft

披覆長度 Teflon covered length	葉片展開尺寸 Propeller Length	棒長 Stirring Shaft Length
Ø8mm / 400mm	Ø60mm	560mm
Ø8mm / 300mm	Ø80mm	450mm
Ø8mm / 500mm	Ø120mm	650mm
Ø8mm / 700mm	Ø150mm	850mm

半月型攪拌棒 Semicircular Stirring Shaft

葉片尺寸 Propeller Size	棒長 Stirring Shaft Length
60mm	Ø8mm / 500mm

不鏽鋼攪拌棒 Stainless Stirring Shaft

尺寸：Ø8 x 500 mm

真空密封頭
Vacuum seal head

真空密封頭 Vacuum seal head
VAC-A24 / 40
VAC-A29 / 42
VAC-A34 / 45

- * 支持夾：Max. Ø22mm。
- * 燒杯夾：鍊條與固定桿長度，可依需求訂製。
- * 三叉夾：大型Ø95mm，中型Ø65mm，小型Ø27mm，固定桿可依需求訂製。
- * Clamp Holder：Max. Ø22mm。
- * Beaker Holder：Other lengths of the chain can be customized.
- * Universal Clamp Types：Large Ø95mm，Medium Ø65mm，Small Ø27mm Rod can be customized.

支持夾
Clamp Holder燒杯夾
Beaker Holder三叉夾
Universal Clamp

不鏽鋼製攪拌葉 Stainless Propeller

NO. 1	NO. 2	NO. 3	NO. 4	NO. 5
 Ø4.5、5、6.5cm Ø7.5、8.5cm	 Ø5cm	 Ø5cm	 Ø5cm	 Ø5cm
NO. 6	NO. 7	NO. 8	NO. 9	NO. 10
 Ø3、7、10cm	 Ø5cm	 Ø5cm	 Ø5、8.6cm	 Ø1.5、2.5、4cm
NO. 11	NO. 12	NO. 13	NO. 14	NO. 15
 Ø5、8、10cm Ø12、14cm、20cm	 Ø10cm	 Ø5cm	 Ø5、7、10cm	 Ø8、10、12cm
NO. 16	NO. 17	NO. 18	NO. 19	NO. 20
 Ø8、10、12cm Ø16、20cm	 Ø5.2cm	 Ø7、8、11cm	 Ø9.5cm	 Ø7cm
NO. 21	NO. 22	NO. 23	NO. 24	NO. 25
 Ø3cm	 Ø2.5、4cm	 Ø14cm	 Ø10cm	 Ø4cm
NO. 26	NO. 27	NO. 28	NO. 29	NO. 30
 Ø8、10、12cm	 Ø5、8、10、12cm	 Ø21cm	 Ø6.7cm	 Ø10cm

* 軸流式葉片：螺旋槳式、兩葉式、四葉式。
常用於低黏度液體攪拌、混合。

* 高剪切葉片：均質分散式、渦輪式。
常用於中高速運轉時，攪拌添加介質，
用於均質、分散、乳化。

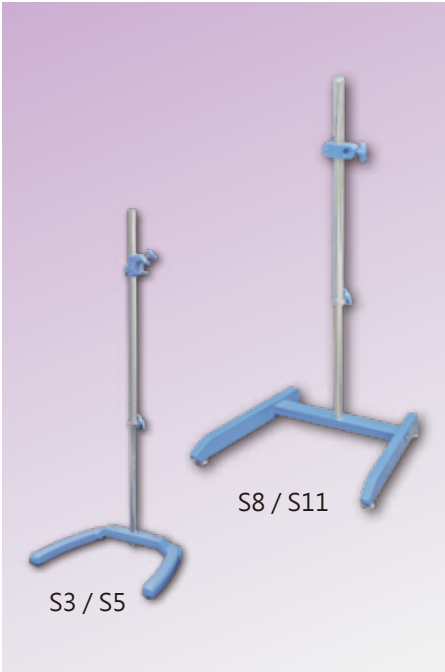
* 高黏度葉片：方型、錨式。
常用於低轉速攪拌，適用於黏度較高，
流動不佳之攪拌物體。

* Axial flowing propeller: propeller-bladed, 2-bladed, 4-bladed type
Commonly used in low viscosity liquid stirring and mixing.

* High shearing propeller: homogeneous dispersing type, turbine type
Commonly used at medium-to-high speed for stirring liquid with
additives. For homogenizing, dispersing, emulsifying purposes.

* High viscosity propeller: square shape, anchor type
Commonly used in low speed stirring, suitable for high viscosity
and poor fluidity of the samples.

彈壓式支柱、升降台、腳座
Spring-lift pole、Laboratory jack、Stand base



特點：

- 操作簡便，能減輕舉升與下降時的負荷。
- 提供不同的載重選擇。

Feature：

- Easy operation; lightening the load when lifting-up/dropping-down
- Different models depending on the load

Model	S3	S5	S8	S11
載重 Load capacity	3~4 Kg	5~6 Kg	7~9 Kg	10~12 Kg
彈壓行程 Elastic distance	300 mm		310 mm	
支柱直徑 Pole Diameter	ø 22 mm		ø 28.6 mm	
支柱長度 Pole Length	950 mm		985 mm	
尺寸 Size (W x L x H mm)	400 x 315 x 950		525 x 450 x 985	



特點：

- 操作簡便，檯面能調整到所需的高度。
- 提供不同的盤面尺寸選擇。

Feature：

- Easy operation. The plate can be adjusted to the desired height.
- Different plate sizes are available for purchasing.

Model	C014-1	C014-2	C014-3
升降範圍 Range (mm)	75~265	75~265	75~265
盤面尺寸 Plate size (mm)	150 x 150	200 x 200	300 x 300

* 可訂製全不鏽鋼製 Full stainless steel can be ordered.



A型腳座
Model A
stand base



HA1型腳座
Model HA1
stand base



R1型腳座
Model R1
stand base



H2型腳座
Model H2
stand base

Model	A	HA1	R1	H2
尺寸 Size (WxLxHmm)	400 x 315 x 54	376 x 338 x 63	330 x 265 x 40	530 x 360 x 45
重量 Weight (Kg)	6	3	3.3	8