

Overhead Stirrer



S212-40



S312-90



S312-250



S312-250P

Constant Speed Stirrer

- 交流感应电机无级调速。无电刷、无火花、长寿命
- 带有测速发电机，转速恒定，不受物料粘度变化和电压影响
- Applied AC induction motor – no brush, no spark and long life.
- Equipped with speed measuring motor – Rotation speed keeps constant and not be affected by sample viscosity or voltage waving.

Constant Speed Stirrer with Digital Display

- 具备S212的所有特点
- 转速数显，更适合教学科研使用
- 调速特性好，拥有Senco专有技术
- Possessing all features of S212
- Equipped with digital display to rotation speed. Is more widely applied in education use and scientific research.
- Applied advanced speed control proprietary technology of Senco.

Frequency-conversion speed stirrer

- 电机功率大，温升低
- 三立杆结构，稳定刚性好
- 进口可调转夹头
- 两种衍生型号供特别需要选择（高速型，高粘度型）
- Equipped with large power motor with low temperature rise.
- Steady stand with good rigidity.
- Apply import collet
- Two derived model available to meet special user needs – High speed model S312-250H, and Power stir model S312-250P.

基本参数 Parameters

型号 Model	S212-40	S212-90	S312-40	S312-90	S312-120	S312-250	S312-250H	S312-250P
主要特性 Main Feature	恒速 Constant Speed		恒速 Constant Speed		数显 Digital Display			
					变频 Frequency Conversion		高速 High Speed	强力 Power Stir
电机 Motor Type	单相交流感应电机 Single Phase AC Induction Motor				三相交流感应电机 3-phase AC Induction Motor			
电机功率(w) Motor Power (w)	40	90	40	90	120	250	250	250
转速(rpm) Rotary Speed (rpm)	60-1300	60-1300	30-1300	30-1300	40-1700	40-1700	100-4000	20-500
转矩(Ncm) Torque (Ncm)	26	40	26	40	80	162	81	480
转夹头(mm) Collet (mm)	Ø6-7	Ø6-7	Ø6-7	Ø6-7	Ø2-10	Ø2-10	Ø2-13	Ø2-13
有效高度(cm) Valid Height (cm)	60	60	60	60	53	53	53	45
底盘(cm) Base (cm)	27×33, SUS304				33×35, SUS304	33×42, SUS304		
搅拌容量(L) Stirring Capacity (L)	H ₂ O, 1-3L	H ₂ O, 2-5L	H ₂ O, 1-3L	H ₂ O, 2-5L	H ₂ O, 10L	H ₂ O, 20-50L	H ₂ O, 10L	100,000 cst, 5L
电源 Power	220V	220V	220V	220V	220V	220V	220V	220V
整机尺寸(cm) Dimension (cm)	37x31x85H	37x31x85H	37x31x85H	37x31x85H	40x33x100H	50x33x100H	50x33x100H	50x33x100H
供选配 Available Stirrer Shape	A	A	A	A	B, C, E	B, C, E	B	D, E

Choosing one overhead stirrer

选择搅拌器时，了解其搅拌电机种类和调速方式很有必要。市场上的搅拌器据此主要分为三类，但在性能、安全和价格方面差异甚大。

Before purchase overhead stirrer, it is necessary to know its Stiring Motor type and Speed Control method. There are 3 main types in market, which has big difference in Stiring Performance, Safety and Price level.

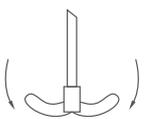
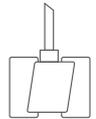
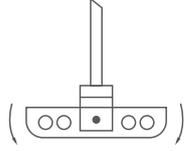
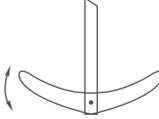
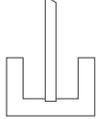
种类 Types	电动搅拌型 Electric Drive Stirring	恒速搅拌型 Constant Speed Stirring	变频搅拌型 Frequency Converting Stirring
电机种类 Motor Applied	普通直流或串激电机 Normal DC motor	单相交流感应电机 Single phase induction motor	三相交流感应电机 3-phase AC induction motor
调速方式 Speed Control	交/直流调压调速 Speed voltage governing	测速反馈交流调压调速 Speed measuring and governing	交直变频调速 AC frequency conversion control
搅拌性能 Performance	转速应负载而变动 Rotation speed affected by load obviously	转速不受负载影响，效果好 Rotation speed not affected by load.	适用大功率搅拌，效率高 Fit for big power stir, high efficiency
耐用性 Durability	差 Not durable	好 Durable	好 Durable
安全性 Safety	有火花 Cause spark	安全，无火花 Safe, no spark	安全，无火花 Safe, no spark
价格 Price	低 Lower	中 Mid	高 Higher

Stirrer

搅拌棒属个性很强的选件。为了达到合适的搅拌效果，需根据搅拌溶液的特性、搅拌容量、转速、容器形状及用户具体使用需要来选配或定制。搅拌棒长度应尽量短，容器瓶口应有支撑，以减少搅拌时产生的抖动。

To ensure stirring effect, blade shape shall be chosen or customized according to solution nature, capacity, opr. speed, vessel shape, etc. To decrease shake of stirring, rod shall be as short as possible and be borne at stirring neck of flask.

Parameters

搅拌棒形状 Stirrer Shape	锚式搅拌棒 Anchor (A)	旋片式搅拌棒 Vane (B)	大叶搅拌棒 Leaf (C)	弧形搅拌棒 Curve (D)	山形搅拌棒 Square (E)
搅拌头 Stirrer					
材质 Material	PTFE	PTFE	PTFE	SUS304	SUS304
轴径/翼径 (mm) Dia. of Rod/Blade (mm)	Ø6/Ø80	Ø10/Ø74	Ø10/Ø150 Ø12/Ø180	Ø10/Ø150 Ø10/Ø180 Ø12/Ø220	Ø8/Ø80 Ø10/Ø130
用途 Application	实验室 少量搅拌 For stir of small quantity of solution	5-10L 固液混合 For stir of 5-10L solid- liquid mixture	10-50L 大容量液体 For stir of 10-50L solution	5L 高粘度半流体 For stir of 5L high viscid solution	5-10L 中等粘度 For stir of 5-10L mid viscid solution
适用搅拌器 Fit for Overhead Stirrer Power	40W, 90W	120W, 250W	S312-250	S312-250P	S312-250P S312-250