



# Overhead Stirrers

Overhead stirrers are useful where mixing of a higher viscosity material is required, the three models available from Stuart® increase in torque to suit even the most demanding laboratory application.

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# Overhead Stirrers

## Overhead stirrer, general purpose, SS10

- Used with volumes up to 15 litres
- Aqueous to low viscosity liquids
- Keyless chuck
- Quiet running
- Budget price

Easy to use general purpose overhead stirrer suitable for day to day laboratory use with aqueous and low viscosity liquids such as light oils, up to 15 litres. With good speed control and overload protection usually found in more advanced models, the SS10 represents excellent value for money.

## Overhead stirrer, high performance, SS20

- Used with volumes up to 25 litres
- Low to medium viscosity liquids
- Hollow shaft
- Keyless chuck

A powerful stirrer designed for demanding laboratory applications. Suitable for stirring liquids up to medium viscosity, including oils and microbiological media, up to 25 litre capacity. Features a hollow shaft arrangement to facilitate easy adjustment of paddle height. Advanced overload protection and sophisticated, responsive speed control.

### Technical Specification

	SS10	SS20
Speed range	100 - 2000rpm	100 - 2000rpm
Max. viscosity	10,000mPas	20,000mPas
Torque at chuck	15Ncm	27Ncm
Chuck range	1.5 - 13mm dia	1.5 - 13mm dia.
Hollow shaft	No	3 - 8mm dia.
Dimensions, mm (w x d x h)	85 x 175 x 230	85 x 195 x 230
Net weight, kg	2.7	3.2
Electrical supply	230V, 50 / 60Hz, 50W	230V, 50 / 60Hz, 80W
IP Rating	42	42

### Ordering Information

Model	Description
SS10	Overhead stirrer, general purpose
SS20	Overhead stirrer, high performance



SS10



SS20

# Overhead Stirrers

## Overhead stirrer, dual torque, SS30

- Used with volumes up to 40 litres
- Medium to high viscosity liquids
- Two modes of torque for extra power
- Keyless chuck

A versatile heavy duty stirrer with the ability to mix high viscosity liquids, including heavy oils, up to 40 litres. This stirrer has two modes of operation, which can be easily alternated, offering maximum versatility.

**Mode 1** has high torque at lower speed for stirring very viscous liquids.

**Mode 2** has lower torque at higher speed and provides brisk mixing of medium viscosity liquids.

Advanced overload protection and sophisticated, responsive speed control. The stirrer also features a hollow shaft for use with long paddles.

### Technical Specification

#### SS30

Speed range	50 - 500 / 100 - 2000rpm
Max. viscosity	40,000mPas
Torque at chuck	90 / 27Ncm
Chuck range	1.5 - 13mm dia.
Hollow shaft	3 - 8mm dia.
Dimensions, mm (w x d x h)	85 x 195 x 230
Net weight, kg	3.8
Electrical supply	230V, 50 / 60Hz, 80W
IP Rating	42

### Ordering Information

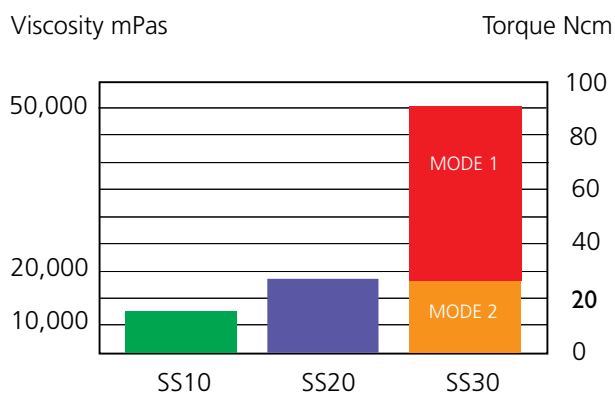
Model	Description
SS30	Overhead stirrer, dual torque

**A range of stands and stirrer paddles are also available. See page 72.**

**See page 116 for S.I. Base and S.I. Derived Units.**



SS30



Torque profile of  
Stuart overhead stirrers

# Overhead Stirrers

## Stands

Extra strong retort stands with H-pattern base for stability and robust support rod. Both versions include bosshead. Heavy duty stand recommended for use with SS30 overhead stirrer.

### Technical Specification

	SS10/1	SS10/2
Base, mm (w x d x h)	400 x 350 x 25	550 x 480 x 25
Rod, mm (dia. x l)	16 x 700	25 x 850
Net weight, kg	7.6	20.2

### Ordering Information

Model	Description
SS10/1	Stand, general purpose
SS10/2	Stand, heavy duty

## Stirrer paddles

Made from high grade stainless steel, there is a choice of five paddle heads and two lengths of 8mm diameter paddle rod. The heads screw on and off the rods, so they can be mixed and matched depending upon stirring requirements. This gives maximum versatility and value for money.

**For complete paddle, order rod plus head(s).**

### Technical Specification

#### Paddle rods

	SS10/5	SS10/6
Diameter	8mm	8mm
Length	350mm	550mm

#### Paddle heads

	SS10/10	SS10/11	SS10/12	SS10/13	SS10/14
Total width	60mm	94mm	80mm	50mm	60mm

### Ordering Information

Model	Description
SS10/5	Paddle rod, 350mm
SS10/6	Paddle rod, 550mm
SS10/10	Small paddle head
SS10/11	Large paddle head
SS10/12	Large propeller head ( 2 blade )
SS10/13	Small propeller head ( 4 blade )
SS10/14	Anchor paddle head





Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.



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Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.