LABSTAC

OVERHEAD STIRRER

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OVERHEAD STIRRER

Laboratory overhead stirrers are designed for the safe and effective mixing of large volumes of liquids. It guarantee best mixing results through its self-reinforcing flow characteristics. Ideal for all mixing applications in the laboratory. Quality, performance and reliability are the best features that makes it unique.
Used in Chemical Synthesis, Medical, Pharmaceutical Synthesis, Physical analysis, Laboratory, Chemical Analysis, Petrochemical Industry, Research, Pharmaceutical.
Also known as Flange mounted vertical stirrer, Mechanical stirrer, Laboratory Overhead stirrer, Laboratory Flange mounted vertical stirrer, Laboratory Mechanical stirrer, Digital Overhead Stirrer.

STR41-20 OVERHEAD STIRRER

LCD display set and actual speed.
Torque trend display for real-time information on viscosity changes.
Stirring paddle top-cross design, easy to replace the container.
Brushless DC motor for long life, maintenance free.
Start/run smoothly, prevent sample splatter or overflow.
Multi - purpose, multi - specification high quality stainless steel, PTFE stirring paddle optional.
Remote function provide PC control and data transmission.
Safety circuits allow for safe stop function in anti-spill or overload conditions.
Provides a constant speed even with changes in viscosities of the sample.

SPECIFICATIONS

Model	STR41-20
Max. stirring quantity [H 2 O]	20 L
Torque display	LCD
Max. torque	40 Ncm
Speed display accuracy	±3 rpm
Overload protection display	LED lights
Viscosity max.	10000 mPas
Chuck range diameter	0.5-10 mm
Data connector	RS232
50~2200 rpm	Temperature
5-40°C	Maximum Temperature
0.8	Heating Warning
50	Heating Output
Brushless DC motor	Protection Class
IP21	Overall Dimension
83Wx220Hx186D mm	Optional Accessories
2.8 kg	Power
70 W	Power Supply

STR42-40 OVERHEAD STIRRER

LCD display set and actual speed.

Torque trend display for real-time information on viscosity changes.

Stirring paddle top-cross design, easy to replace the container.

Brushless DC motor for long life, maintenance free.

Start/run smoothly, prevent sample splatter or overflow.

Multi - purpose, multi - specification high quality stainless steel, PTFE stirring paddle optional.

Remote function provide PC control and data transmission.

Safety circuits allow for safe stop function in anti-spill or overload conditions.

Provides a constant speed even with changes in viscosities of the sample.

SPECIFICATIONS

Model	STR42-40
Max. stirring quantity [H 2 O]	40 L
Torque display	LCD
Max. torque	60 Ncm
Speed display accuracy	±3 rpm
Overload protection display	LED lights
Viscosity max.	50000 mPas
Chuck range diameter	0.5-10 mm
Data connector	RS232
50~2200 rpm	Temperature
5-40°C	Maximum Temperature
0.8	Heating Warning
100	Heating Output
Brushless DC motor	Protection Class
IP21	Overall Dimension
83Wx 220Hx 186D mm	Optional Accessories
2.8 kg	Power
130 W	Power Supply

STR43-70 OVERHEAD STIRRER

LCD display set and actual speed.

Torque trend display for real-time information on viscosity changes.

Stirring paddle top-cross design, easy to replace the container.

Brushless DC motor for long life, maintenance free.

Start/run smoothly, prevent sample splatter or overflow.

Multi - purpose, multi - specification high quality stainless steel, PTFE stirring paddle optional.

Remote function provide PC control and data transmission.

Safety circuits allow for safe stop function in anti-spill or overload conditions.

Provides a constant speed even with changes in viscosities of the sample.

SPECIFICATIONS

Model	STR43-70
Max. stirring quantity [H 2 O]	70 L
Torque display	LCD
Max. torque	300 Ncm
Speed display accuracy	±10 rpm
Overload protection display	LED lights
Time settings range	0 - 99 h 59 min
Viscosity max.	100000 mPas
Chuck range diameter	0.5-10 mm
Data connector	RS232
50~1100 rpm	Temperature
5-40°C	Maximum Temperature
0.8	Heating Warning
160	Heating Output
Brushless DC motor	Protection Class
IP21	Overall Dimension
186Wx83Hx 220D mm	Optional Accessories
3.2 kg	Power
200 W	Power Supply

STR44-20 OVERHEAD STIRRER

High reliability and outstanding performance.
A wide range of speed from 50 to 2200rpm.
Brushless DC motor for long life, maintenance free and explosion proof.
LED screen for monitoring actual speed.
Safety circuits allow for safe stop function in anti-stall or overload conditions.

SPECIFICATIONS

Model	STR44-20
Max. stirring quantity [H 2 O]	20 L
Max. torque	40 Ncm
Speed display accuracy	±3 rpm
Overload protection display	LED lights
Viscosity max.	100000 mPas
Chuck range diameter	0.5-10 mm
Speed Range	50~2200 rpm
Maximum Temperature	5-40°C

Permissible Relative Humidity	80%RH
Heating Warning	0.8
Timing Range	0 – 99h 59min
Heating Output	50
IP protection class	IP42
Overall Dimension	83Wx220Hx186D mm
Weight	2.8 kg
Power	70 W
Power Supply	100~240 V, 50/60 Hz

STR45-40 OVERHEAD STIRRER

High reliability and outstanding performance.
A wide range of speed from 50 to 2200rpm.
Brushless DC motor for long life, maintenance free and explosion proof.
LED screen for monitoring actual speed.
Safety circuits allow for safe stop function in anti-stall or overload conditions.

SPECIFICATIONS

Model	STR45-40
Max. stirring quantity [H 2 O]	40 L
Max. torque	60 Ncm
Speed display accuracy	±3 rpm
Overload protection display	LED lights
Viscosity max.	50000 mPas
Chuck range diameter	0.5-10 mm
50~2200 rpm	Temperature
5-40°C	Maximum Temperature
0.8	Heating Warning
100	Heating Output
Brushless DC motor	Protection Class
IP21	Overall Dimension
83Wx.220Hx186Dmm	Weight
2.8 kg	Power
130 W	Power Supply

STR45-50 OVERHEAD STIRRER

LED with backlit displays real-time speed and time. It is convenient and accurate for readings easy to operate

Precise control speed. Control accuracy is±3rpm. Accurately display the actual speed actual value / set value

Constant rotation speed, the torque can be automatically adjusted according to the change

of sample viscosity to maintain the set rotation speed

Anti-spill samples, smooth start, effectively prevent spilling

Clockwise & counter clockwise stirring exchange mode. Stirring effect is better

Closed shell to prevent liquid from entering the machine interior for corrosion circuit, ensure safe operation. Long time continuous and stable operation

Overload protection and motor protection. When overload, short circuit and abnormal speed occur, it will cut off the circuit and alarm automatically to ensure safe running and lab safety

SPECIFICATIONS

Model	STR45-50
Max Stir Capacity (H_2O)	40 L
Time Range	30s~999 min
Speed Range	50~2200 rpm
Speed Control Accuracy	±3 rpm
Speed Display Accuracy	±1 rpm
Max. Torque	180N cm
Max. Viscosity	50000m Pas
Diameter Range	0.5~10 mm
Power	130 W
Dimension	240x380x830 mm
Weight	8.9 Kg
Voltage	DC24V, 5A

OPTIONAL ACCESSORIES

Accessory Code	Name	Stir Propeller Style	Spec	Max. Speed
3300808005	Stirring Bars	flat blade type	1 Blades	2200 rpm
3300808006	Stirring Bars	Centrifugal type	2 Blades	2200 rpm
3300808007	Stirring Bars	Propeller type	4 Blades	2200 rpm
3300808008	Stirring Bars	Fan blader type	1 Blades	1000 rpm

LABSTAC

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