

OVERHEAD STIRRER



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

OPTIONAL ACCESSORIES

Accessory Code	Name	Description	Dimension
LS54181	Universal plate stand	Universal plate stand including support holder and fixing device Grey	Universal plate stand (WxD) : 335x463 mm Support Holder (H) : 78cm
LS54193	Universal plate stand	Universal plate stand including support holder and fixing device Grey	Universal plate stand (WxD) : 20x31cm mm Support Holder (H) : 78cm
LS54205	Crossed Stirrer	Crossed stirrer, shaft length 40 cm, stirrer diameter 5 cm, 316 L stainless steel	Universal plate stand (WxD) : 20x31cm mm Support Holder (H) : 78cm
LS54217	Crossed Stirrer	Crossed stirrer, shaft length 40 cm, stirrer diameter 6 cm, 316 L stainless steel	
LS54229	Centrifugal Stirrer	Crossed stirrer, shaft length 40 cm, stirrer diameter 6.8 cm, 316 L stainless steel	
LS54241	Crossed Stirrer	Centrifugal stirrer, shaft length 40 cm, stirrer diameter 9 cm, 316 L stainless steel	
LS54301	Crossed Stirrer	Crossed stirrer, shaft length 35 cm, stirrer diameter 6.5 cm, PTFE coated	
LS54313	Straight Stirrer	Straight stirrer, shaft length 35 cm, stirrer diameter 7 cm, PTFE coated	
LS54325	Centrifugal Stirrer	Blade stirrer, shaft length 35 cm, stirrer diameter 6.8 cm, PTFE coated	
LS54337	Centrifugal Stirrer	Centrifugal stirrer, shaft length 35 cm, stirrer diameter 8.5 cm, PTFE coated	
LS54349	Crossed Stirrer	Crossed stirrer, shaft length 40 cm, stirrer diameter 5 cm, 316 L stainless steel (prevent the liquid spills)	

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

OPTIONAL ACCESSORIES

Accessory Code	Name	Description	Dimension
LS54181	Universal plate stand	Universal plate stand including support holder and fixing device Grey	Universal plate stand (WxD) : 335x463 mm Support Holder (H) : 78cm
LS54193	Universal plate stand	Universal plate stand including support holder and fixing device Grey	Universal plate stand (WxD) : 20x31cm mm Support Holder (H) : 78cm
LS54205	Crossed Stirrer	Crossed stirrer, shaft length 40 cm, stirrer diameter 5 cm, 316 L stainless steel	Universal plate stand (WxD) : 20x31 cm mm Support Holder (H) : 78cm
LS54217	Crossed Stirrer	Crossed stirrer, shaft length 40 cm, stirrer diameter 6 cm, 316 L stainless steel	
LS54229	Centrifugal Stirrer	Crossed stirrer, shaft length 40 cm, stirrer diameter 6.8 cm, 316 L stainless steel	
LS54241	Crossed Stirrer	Centrifugal stirrer, shaft length 40 cm, stirrer diameter 9 cm, 316 L stainless steel	
LS54301	Crossed Stirrer	Crossed stirrer, shaft length 35 cm, stirrer diameter 6.5 cm, PTFE coated	
LS54313	Straight Stirrer	Straight stirrer, shaft length 35 cm, stirrer diameter 7 cm, PTFE coated	
LS54325	Centrifugal Stirrer	Blade stirrer, shaft length 35 cm, stirrer diameter 6.8 cm, PTFE coated	
LS54337	Centrifugal Stirrer	Centrifugal stirrer, shaft length 35 cm, stirrer diameter 8.5 cm, PTFE coated	
LS54349	Crossed Stirrer	Crossed stirrer, shaft length 40 cm, stirrer diameter 5 cm, 316 L stainless steel (prevent the liquid spills)	

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

OPTIONAL ACCESSORIES

Accessory Code	Name	Description	Dimension
LS54169	Universal plate stand	Universal plate stand for OE113 including support holder and fixing device Grey	
LS54181	Universal plate stand	Universal plate stand including support holder and fixing device Grey	Universal plate stand (WxD) : 335x463 mm Support Holder (H) : 78cm
LS54253	Crossed Stirrer	Crossed stirrer, shaft length 60 cm, stirrer diameter 10 cm, 316 L stainless steel	

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.	10000 mPas
Chuck range diameter	0.5-10 mm
50~2200 rpm	Temperature
5-40°C	Maximum Temperature
0.8	Heating Warning
50	Heating Output
Brushless DC motor	Protection Class
IP21	Overall Dimension
83Wx220Hx186Dmm	Weight
2.8 kg	Power
70 W	Power Supply

OPTIONAL ACCESSORIES

Accessory Code	Name	Description	Dimension
LS54181	Universal plate stand	Universal plate stand including support holder and fixing device Grey	Universal plate stand (WxD) : 335x463 mm Support Holder (H) : 78cm
LS54193	Universal plate stand	Universal plate stand including support holder and fixing device Grey	Universal plate stand (WxD) : 20x31cm mm Support Holder (H) : 78cm
LS54205	Crossed Stirrer	Crossed stirrer, shaft length 40 cm, stirrer diameter 5 cm, 316 L stainless steel	Universal plate stand (WxD) : 20x31cm mm Support Holder (H) : 78cm
LS54217	Crossed Stirrer	Crossed stirrer, shaft length 40 cm, stirrer diameter 6 cm, 316 L stainless steel	

LS54229	Centrifugal Stirrer	Crossed stirrer, shaft length 40 cm, stirrer diameter 6.8 cm, 316 L stainless steel	
LS54241	Crossed Stirrer	Centrifugal stirrer, shaft length 40 cm, stirrer diameter 9 cm, 316 L stainless steel	
LS54301	Crossed Stirrer	Crossed stirrer, shaft length 35 cm, stirrer diameter 6.5 cm, PTFE coated	
LS54313	Straight Stirrer	Straight stirrer, shaft length 35 cm, stirrer diameter 7 cm, PTFE coated	
LS54325	Centrifugal Stirrer	Blade stirrer, shaft length 35 cm, stirrer diameter 6.8 cm, PTFE coated	
LS54337	Centrifugal Stirrer	Centrifugal stirrer, shaft length 35 cm, stirrer diameter 8.5 cm, PTFE coated	
LS54349	Crossed Stirrer	Crossed stirrer, shaft length 40 cm, stirrer diameter 5 cm, 316 L stainless steel (prevent the liquid spills)	

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

OPTIONAL ACCESSORIES

Accessory Code	Name	Description	Dimension
LS54181	Universal plate stand	Universal plate stand including support holder and fixing device Grey	Universal plate stand (WxD) : 335x463 mm Support Holder (H) : 78cm
LS54193	Universal plate stand	Universal plate stand including support holder and fixing device Grey	Universal plate stand (WxD) : 20x31cm mm Support Holder (H) : 78cm
LS54205	Crossed Stirrer	Crossed stirrer, shaft length 40 cm, stirrer diameter 5 cm, 316 L stainless steel	Universal plate stand (WxD) : 20x31cm mm Support Holder (H) : 78cm
LS54217	Crossed Stirrer	Crossed stirrer, shaft length 40 cm, stirrer diameter 6 cm, 316 L stainless steel	
LS54229	Centrifugal Stirrer	Crossed stirrer, shaft length 40 cm, stirrer diameter 6.8 cm, 316 L stainless steel	
LS54241	Crossed Stirrer	Centrifugal stirrer, shaft length 40 cm, stirrer diameter 9 cm, 316 L stainless steel	
LS54301	Crossed Stirrer	Crossed stirrer, shaft length 35 cm, stirrer diameter 6.5 cm, PTFE coated	
LS54313	Straight Stirrer	Straight stirrer, shaft length 35 cm, stirrer diameter 7 cm, PTFE coated	
LS54325	Centrifugal Stirrer	Blade stirrer, shaft length 35 cm, stirrer diameter 6.8 cm, PTFE coated	
LS54337	Centrifugal Stirrer	Centrifugal stirrer, shaft length 35 cm, stirrer diameter 8.5 cm, PTFE coated	
LS54349	Crossed Stirrer	Crossed stirrer, shaft length 40 cm, stirrer diameter 5 cm, 316 L stainless steel (prevent the liquid spills)	

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