OS20-Pro/OS40-Pro/ OS70-Pro

LCD Digital Overhead Stirrer

DLAB Overhead Stirrers are competent for most demanding tasks with guaranteed safety and performance. They are widely used in chemical synthesis, pharmaceutical synthesis, physical and chemical analysis, petrochemical industries, etc.



Specifications	OS20-Pro	OS40-Pro	OS70-Pro
Max. stirring quantity[H_2O]	20L	40L	70L
Speed range	50~2200rpm	50~2200rpm	50~1100rpm
Speed display accuracy	±3rpm	±3rpm	±10rpm
Time settings range	-	-	0-99h59min
Max. torque	40N・cm	60N・cm	300N・cm
Viscosity max.	10000mPa・s	50000mPa・s	100000mPa・s
Weight	2.8kg	2.8kg	3.2kg
Motor type	Brushless DC motor	Brushless DC motor	Brushless DC motor
Voltage,Frequency	100~240V, 50/60 Hz	100~240V, 50/60 Hz	100~240V, 50/60 Hz
Speed display	LCD	LCD	LCD
Torque display	LCD	LCD	LCD
Overload protection display	LCD	LCD	LCD
Chuck clamp range diameter	0.5~10mm	0.5~10mm	0.5~10mm
Motor input/output power	60W/50W	120W/100W	180W/160W
Power	70W	130W	200W
Dimension[WxHxD]	83 x 220 x 186mm	83 x 220 x 186mm	83 x 220 x 186mm
Protection class	IP21	IP21	IP21
Permissible ambient temperature and humidity	5~40°C,80%RH	5~40°C,80%RH	5~40°C,80%RH
Data interface	RS232	RS232	RS232

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OS20-S/OS40-S

LED Overhead Stirrer

Features

- High reliability and outstanding performance
- 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
- Large chuck diameter for many shaft types

Set of Overhead Stirrer tools	Cat.No. 18900743
	Contains one vertical rod, six stirring blades，Such as Propeller stirrer、Paddle stirrer、Centrifugal stirrer、Flat-blade stirrer、Radial-flow stirrer、Anchor stirrer and Disassembling tool

Specifications	OS20-S	OS40-S
Max. stirring quantity[H₂O]	20L	40L
Speed range	50~2200rpm	50~2200rpm
Max. torque	40N・cm	60N・cm
Viscosity max.	10000mPa・s	50000mPa・s
Motor type	Brushless DC motor	Brushless DC motor
Speed display	LED	LED
Overload protection display	LED	LED
Chuck range diameter	0.5~10mm	0.5~10mm
Motor input power	60W	120W
Motor output power	50W	100W
Power	70W	130W
Voltage,Frequency	100~240V, 50/60 Hz	100~240V, 50/60 Hz
Dimension[WxHxD]	83 x 220 x 186mm	83 x 220 x 186mm
Protection class	IP21	IP21
Weight	2.8kg	2.8kg
Permissible ambient temperature and humidity	5~40°C,80%RH	5~40°C,80%RH

Plate Stands

Universal Plate Stand (for OS20/40/70)

Cat. No.18900605



Dimension [W x D x H] : 20x31x78cm
Material: cast iron

Grand Plate Stand (for OS70)

Cat. No.18900497



Dimension [W x D x H] : 33.5x46.3x78cm
Material: cast iron

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DLAB Overhead Stirrer provides a variety of stirring tools, such as impellers, paddles and blades:

Propeller stirrer — Cat. No.18900071

Shaft length: 40cm
Stirrer diameter: 5cm
Shaft diameter：Ø8mm
Material: 316L stainless steel
Standard stirring applications at medium and high speed



Paddle stirrer — Cat. No.18900073

Shaft length: 40cm
Stirrer diameter: 6.8cm
Shaft diameter: Ø8mm
Material: 316L stainless steel
For gentle mixing at low and medium speeds



Straight stirrer — Cat. No.18900072

Shaft length: 40cm
Stirrer diameter: 6cm
Shaft diameter: Ø8mm
Material: 316L stainless steel
For low viscosity media at medium and high speeds



Centrifugal stirrer — Cat. No.18900074

Shaft length: 40cm
Stirrer diameter: 9cm
Shaft diameter: Ø8mm
Material: 316L stainless steel
Blades open while speeding.
For narrow neck vessels at medium to high speed.



Propeller stirrer — Cat. No.18900075

Shaft length: 35cm
Stirrer diameter: 6.5cm
Shaft diameter: Ø8mm
Material: PTFE coated
Standard stirring applications at medium and high speed



Paddle stirrer — Cat. No.18900077

Shaft length: 35cm
Stirrer diameter: 6.8cm
Shaft diameter: Ø8mm
Material: PTFE coated
For gentle mixing at low and medium speeds

Straight stirrer — Cat. No.18900076

Shaft length: 35cm
Stirrer diameter: 7cm
Shaft diameter: Ø8mm
Material: PTFE coated
For low viscosity media at medium and high speeds



Centrifugal stirrer — Cat. No.18900078

Shaft length: 35cm
Stirrer diameter: 8.5cm
Shaft diameter: Ø8mm
Material: PTFE coated
Blades open while speeding.
For narrow neck vessels at medium to high speed.



Grand propeller stirrer — Cat. No. 18900478

Shaft length: 60cm
Stirrer diameter: 10cm
Shaft diameter: Ø8mm
Material: 316L stainless steel
Standard stirring



Grand paddle stirrer — Cat. No.18900499

Shaft length: 60cm
Stirrer diameter: 10cm
Shaft diameter: Ø8mm
Material: 316L stainless steel
Gentle mixing for those stratify easily or sensitive to shear



Grand anchor stirrer — Cat. No. 18900498

Shaft length: 60cm
Stirrer diameter: 10cm
Shaft diameter: Ø8mm
Material: 316L stainless steel
Standard stirring or for those easily precipitate



Grand dissolving stirrer — Cat. No.18900500

Shaft length: 60cm
Stirrer diameter: 10cm
Shaft diameter: Ø8mm
Material: 316L stainless steel
Breaking down granules in the mixture with strong shear



Flat-blade stirrer — Cat. No. 18900625

Shaft length: 40cm
Stirrer diameter: 6cm
Shaft diameter: Ø8mm
Material: 316L stainless steel
Suitable for medium speed stirring, low viscosity and medium viscosity materials



Anchor stirrer — Cat. No.18900627

Shaft length: 40cm
Stirrer diameter: 6cm
Shaft diameter: Ø8mm
Material: 316L stainless steel
Suitable for low speed stirring, medium viscosity and high viscosity materials



Radial-flow stirrer — Cat. No. 18900626

Shaft length: 40cm
Stirrer diameter: 5cm
Shaft diameter: Ø8mm
Material: 316L stainless steel
Suitable for medium speed or high speed agitation, low viscosity or medium viscosity materials, recommended for the treatment of gas in liquid



Spiral stirrer — Cat. No. 18900628

Shaft length: 40cm
Stirrer diameter: 5cm
Shaft diameter: Ø8mm
Material: 316L stainless steel
Suitable for medium speed or high speed agitation, medium viscosity and high viscosity materials, recommended for liquid homogenization or suspension treatment



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