

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.



Speed 50~1100rpm with control accuracy of ± 10 rpm



Brushless DC motor for long life, maintenance free



Constant speed despite viscosity change of the sample



Spillage and overload protection safety circuits



Remote PC control and data transmission



LCD display of set and actual speed, torque and time (for OS70)



Self - locking drill chuck, tools free



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



Start/run smoothly, prevent sample splatter or overflow



Silicone cover protecting drill chuck from erosive vapor



Specifications

| | OS20-Pro | OS40-Pro | OS70-Pro |
|--|-------------|--------------------|--------------|
| Max. stirring quantity[H ₂ O] | 20L | 40L | 70L |
| Speed range | 50~2200rpm | 50~2200rpm | 50~1100rpm |
| Speed display accuracy | ± 3 rpm | ± 3 rpm | ± 10 rpm |
| 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 | |
| Voltage | | 100~240V, 50/60 Hz | |
| Speed display | | LCD | |
| Torque display | | LCD | |
| Overload protection display | | LCD | |
| Chuck range diameter | | 0.5~10mm | |
| Motor input/output power | 60W/50W | 120W/100W | 180W/160W |
| Power | 70W | 130W | 200W |
| Dimension[WxHxD] | | 83 x 220 x 186mm | |
| Protection class | | IP21 | |
| Permissible ambient temperature and humidity | | 5~40°C, 80%RH | |
| Data interface | | RS232 | |

OS20-S OS40-S LED Overhead Stirrer

Features

- 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



Explosion-proof



Wide range of accessories

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

Spillage and overload protection safety circuit

LED display of set and actual speed

Brushless DC Motor

- Maintenance free
- Explosion-proof
- Precision speed control

Self-locking drill chuck, tools free



Specifications

| | OS20-S | OS40-S |
|--|--------------------|------------|
| Max. stirring quantity[H ₂ O] | 20L | 40L |
| Speed range | 50~2200rpm | 50~2200rpm |
| Max. torque | 40N•cm | 60N•cm |
| Viscosity max. | 10000mPa•s | 50000mPa•s |
| Weight | 2.8kg | 2.8kg |
| Motor type | Brushless DC motor | |
| Speed display | LED | |
| Overload protection display | LED | |
| Chuck range diameter | 0.5~10mm | |
| Motor input power | 60W | 120W |
| Motor output power | 50W | 100W |
| Power | 70W | 130W |
| Voltage | 100~240V, 50/60 Hz | |
| Dimension[WxHxD] | 83 x 220 x 186mm | |
| Protection class | IP21 | |
| Permissible ambient temperature and humidity | 5~40°C, 80%RH | |

Overhead Stirrers

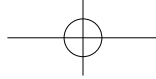


Plate Stands

Universal Plate Stand (for OS20/40/70)

Dimension [W x D x H] :
200x310x780mm
Material: stainless steel
Cat. No.
18900258



Grand Plate Stand (for OS70)

Dimension [W x D x H] :
335 x 463 x 780mm
Material: stainless steel
Cat. No.
18900497



Stirrer

Stainless Steel Series

Propeller stirrer

Shaft length 40cm
Stirrer diameter 50mm
Material: 304L stainless steel
Standard stirring applications
at medium and high speed

Cat No. 18900071



Paddle stirrer

Shaft length 40cm
Stirrer diameter 68mm
Material: 304L stainless steel
For gentle mixing at low and
medium speeds

Cat No. 18900073



Straight stirrer

Shaft length 40cm
Stirrer diameter 60mm
Material: 304L stainless steel
For low viscosity media at
medium and high speeds

Cat No. 18900072



Centrifugal stirrer

Shaft length 40cm
Stirrer diameter 90mm
Material: 304L stainless steel
Blades open while speeding.
For narrow neck vessels at
medium to high speed.

Cat No. 18900074



PTFE Coating Series

Propeller stirrer

Shaft length 40cm
Stirrer diameter 50mm
Material: PTFE coated
Standard stirring applications
at medium and high speed

Cat No. 18900075



Paddle stirrer

Shaft length 40cm
Stirrer diameter 68mm
Material: PTFE coated
For gentle mixing at low and
medium speeds

Cat No. 18900077



Straight stirrer

Shaft length 40cm
Stirrer diameter 60mm
Material: PTFE coated
For low viscosity media at
medium and high speeds

Cat No. 18900076



Centrifugal stirrer

Shaft length 40cm
Stirrer diameter 90mm
Material: PTFE coated
Blades open while speeding.
For narrow neck vessels at
medium to high speed.

Cat No. 18900078



Grand Series (for OS70)

Grand propeller stirrer

Shaft length 60cm
Stirrer diameter 100mm
Material: 316L stainless steel
Standard stirring

Cat No. 18900478



Grand paddle stirrer

Shaft length 60cm
Stirrer diameter 100mm
Material: 316L stainless steel
Gentle mixing for those stratify
easily or sensitive to shear

Cat No. 18900499



Grand anchor stirrer

Shaft length 60cm
Stirrer diameter 100mm
Material: 316L stainless steel
Standard stirring or for those
easily precipitate

Cat No. 18900498



Grand dissolving stirrer

Shaft length 60cm
Stirrer diameter 100mm
Material: 316L stainless steel
Breaking down granules in the
mixture with strong shear

Cat No. 18900500

