

OVERHEAD STIRRER

USA-OS

Overhead Stirrer - 20L & 40L

Microprocessor PID speed control keeps rpm accurate and stable under load, while an anti-spill slow start ramps speed gradually to reduce splashing and foam formation. An LCD shows set and actual speed and torque in real time, over-torque protection automatically stops the motor, and an RS232 interface enables PC control and documentation of measured values.

- ✓ **Stable PID speed.** Microprocessor PID ensures accurate, stable rpm under load.
- ✓ **Anti-spill start.** Slow start ramps speed gradually to reduce splashing and foam.
- ✓ **Real-time monitoring.** LCD shows set and actual values for speed and torque.
- ✓ **Over-torque protection.** Motor stops automatically when torque limits are exceeded.
- ✓ **PC connectivity.** RS232 interface for PC control and speed/torque documentation.

MODEL USA-OS

**40 to 60** N-cm
MAXIMUM TORQUE**10K to 50K** cPs
MAXIMUM VISCOSITY**20 to 40** L
MAXIMUM STIRRING
VOLUME**32.25** in
INCLUDED STAND HEIGHT**5/8** in
STAND ROD DIAMETER

Technical Specifications

Model USA-OS

PERFORMANCE

Speed control	Microprocessor PID, accurate and stable rpm under load
Speed range	50–2,200 rpm
Maximum torque	40 to 60 N-cm
Maximum viscosity	10K to 50K cPs
Maximum stirring volume	20L to 40L
Start-up	Anti-spill slow start, gradual speed ramp
Over-torque protection	Automatically stops the motor

OPERATION

Display	LCD, set and actual speed and torque
PC interface	RS232, PC control and documentation of speed/torque
Configurable parameters	All key parameters, for safety monitoring

CONSTRUCTION

Stand	Included
Stand height	32.25"
Rod diameter	5/8"
Shaft chuck	Three-jaw self-centering design

ELECTRICAL

Power supply	110V 15A
Motor power	50W to 100W
Plug	NEMA 5-15
Frequency	60 Hz

DIMENSIONS AND WEIGHT

Motor Dimensions	3.3"W × 8.7"H × 7.3"D
Weight	5.5lb

ORDERING INFORMATION

CATALOG NO.	DESCRIPTION	ELECTRICAL
USA-OS	Overhead Stirrer - 20L & 40L Stand included, 32.25" tall, 5/8" rod	

IDEAL APPLICATIONS

- Chemical synthesis
- Pharmaceutical & biotech
- Academic & research
- Process development