

BenchMix™

Programmable High Shear Lab Mixers

Benefits for Your Lab:

- **Digital Display:**
 - ◆ Mixer Speed (RPM)
 - ◆ Tip Speed (Ft/Sec)
 - ◆ Pumping Rate (GPM)
 - ◆ Mixing Intensity (Bulk Velocity)
 - ◆ Elapsed time (Seconds)
- **Complete Scalability Techniques** from 1 Liter Lab Tests to 2000 Liter Production Units
- **Variable Speed** 1/2 Hp, 10,000 RPM Constant Torque PMDC Drive with Speed Regulation to 1% of Set Speed
- **Push Button Electric Lift** with Mechanical Brake and Clutch
- **Glass Beaded 316 SS Chassis** with NEMA 4X Overlay



Advanced Mixing Technologies



Admix, Inc. introduces the first, fully programmable benchtop high shear lab mixer with built-in scale-up parameters.



The **BenchMix™ OPLB-300** takes the guesswork out of scaling from small to large volumes. Once satisfactory results are obtained with the **BenchMix** in any volume from 1 liter to 2 gallons of test material, the critical scaling parameters are indicated to proceed to much larger production size volumes.

BenchMix OPLB-300 Specifications

Mixing Head Types	Rotosolver® Dispenser, Rotostat® Emulsifier or Low Speed Propellers in various sizes
Output Speed	500-10,000 RPM
Horsepower	1/2 HP maximum rating
Motor Characteristics	Permanent Magnet DC Brushless Drive with Hall Sensor for regulation to 1% of set speed
Shaft Size	10 mm x 356 mm (3/8" x 14")
Mix Head Diameters	29 mm (1.14") Rotosolver 50 mm (2") Rotostat with lower prop [XP] or without lower prop [X] (Optional) 1", 1½", 2" or 3" Propellers (Optional)
Capacity	1 to 12 Liters (1/4 to 3 Gallons)
Weight	55 lbs.
Mixer Stand	Glass Beaded 316SS Chassis with removable non-slip ribbed rubber mat
Mixer Lift	Push Button Electric Lift, 18" of travel in 27 seconds, mechanical brake and over running clutch. Sealed lift tube.
Dimensions	Overall Height: 27.2" - 45.2" Overall Depth: 19.25" Overall Width: 14.5"
Controller / Display	Closed Loop PLC / 115 Volt / 60 Hz System with digital, 2 line, 20 character alphanumeric display
Output Profiles	Ten (10) User Programmable Profiles, each with ten (10) Time, Speed, Delay, Prompt for User and End Steps. Pre-programmed for use with eight (8) separate mix heads.

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