

The smart cap design allows reagent or solvent addition during operation without stopping the mixing process.

Interchangeable shaft lengths adapt to different bottle sizes, and when required, the unit can also function as a conventional overhead stirrer for standard laboratory containers.



IMS-GL45 Overhead Stirrer

Precision Mechanical Stirring for Volatile and Viscous Systems.

The IMS-GL45 is a high-performance mechanical stirrer designed for direct integration with standard GL45 laboratory bottles. Its dedicated GL45 adapter enables powerful mixing inside sealed or semi-sealed containers, significantly reducing evaporation losses while maintaining process safety.

DESCRIPTION	Direct GL-45 bottle mounting for closed-vessel mixing with interchangeable shafts.
MOTOR	Brushless DC motor
RATED POWER (W)	105
RATED CURRENT (A)	6.4
RATED VOLTAGE (V)	24
TORQUE MAX (N·CM)	16
SPEED RANGE (RPM)	200–2500
OPERATION	Digital control via touchscreen
SETTING ACCURACY SPEED (%)	±2
VISCOSITY MAX (MPa.s)	17000
MAX STIRRING VOLUME (H₂O, L)	5
RECIPE/RECALL MODE	No
BUZZER OPTION	No
STIRRING DIRECTION	CW
STIRRING ELEMENT FASTENING	Integrated GL-45 direct-coupling interface for closed-vessel mixing with secure bottle attachment.
CHUCK SHAFT RANGE (MM)	1-10
IMPELLER SHAFT LENGTH (CM)	Based on bottle volume 100ml : 4cm, 250ml : 7.5cm, 500ml : 11cm, 1000ml : 15.5cm, 2000ml : 19cm, 5000ml : 25cm
TIMER	Yes
POWER SUPPLY (VAC, HZ)	100~240 VAC, 50/60Hz
DIMENSIONS (W×H×D)	250×756×327.8 mm (9.84×29.76×12.91 in)
WEIGHT	9 kg (20 lb)
ACCESSORIES (STANDARD)	Saw-Tooth Impeller (ST-30) Universal stand (Extension arm length: 34cm)

- **4.3" Color Touchscreen Interface • Brushless DC Motor Technology**
- **Speed Range: 200–2500 RPM • Maximum Torque: 0.16 Nm • Stirring Capacity up to 5 L**

IMS-GL45