

BEAKER FOR HIGH-PERFORMANCE MIXING

Powder dispersion made easy, foam-free mixing.

Developed using CFD and experimental testing, with an ergonomic design.

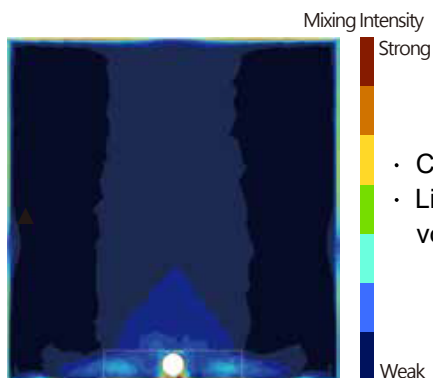
Key Features:

- **Non-Vortex Design:**
Suppresses vortex formation to reduce foaming and air entrapment
- **Efficient Mixing:**
CFD-optimized baffles enhance fluid circulation and usable mixing volume
- **Safe and Lightweight:**
Durable polymer body — shatterproof and easy to handle
- **Chemical-Resistant PEN:**
Made from PEN for excellent resistance to solvents, acids, and heat
- **Optional Lid:**
A dedicated sliding lid compatible with the non-vortex beaker allows impeller mixing while minimizing splashing and contamination

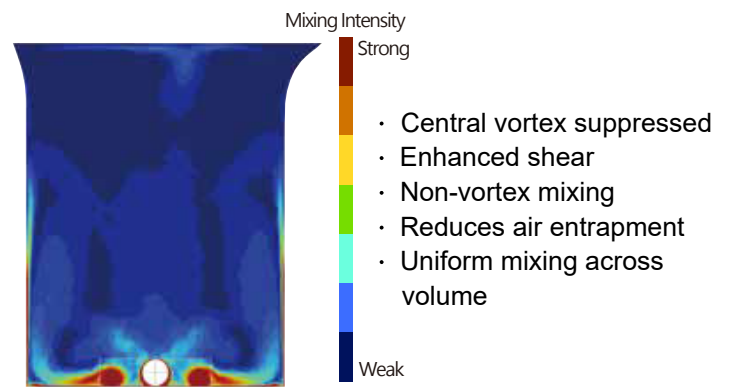


▲ Optional Lid

Vorticity Distribution from CFD Simulation:



▲ Vorticity distribution in glass beaker



▲ Vorticity distribution in baffled beaker

Applications:

Viscous liquids:

- Latex emulsions, paints & coatings
- Creams & lotions
- Polymer solutions

Powder-liquid:

- Pigments dispersion
- Pharmaceutical
- Suspensions
- Ceramic slurries

Degassing-sensitive:

- Cell culture media
- Specialty chemicals
- Sensitive to entrapped air

Compliance & Sterilization:

Biocompatibility: · USP <88> Class VI · USP <87> · ISO 10993-4, -10 · FDA 21 CFR	Chemical Safety: · RoHS 2 compliant · REACH compliant · PFAS-free	Sterilization Methods: · Gamma · Autoclave · EtO
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Specifications:

	P/N	Volume (mL)	Weight (g) (Without lid)	Dimension (mm) (Φ x H x Wall thickness)	Baffle width (mm)
	CL500	500	62 ± 2.0	87 x 113 x 1.0	17
	CL750	750	71 ± 2.0	100 x 130 x 1.2	20
	CL1000	1000	101 ± 3.0	109 x 143 x 1.3	22
	CL2000	2000	189 ± 6.0	139 x 180 x 1.6	28
Recommended Geometric Proportions for Baffled Beaker Mixing:					
Impeller Diameter / Baffled Beaker Diameter : 0.3 – 0.5					
Liquid Height / Baffled Beaker Diameter : 1.0					
Impeller Clearance (from beaker bottom) / Baffled Beaker Diameter : 0.3 – 0.5					

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