


# Avantor<sup>®</sup> Magnetic Mixing Systems

Achieve unparalleled mixing efficiency at every scale with Avantor's customizable Magnetic Mixing Systems, which are designed for optimal mixing with low shear rates.

Obtain consistent product homogeneity while minimizing risks and ensuring quality standards are met. Our Magnetic Mixing Systems are modular, easy-to-use and seamlessly integrate with your existing fluid handling equipment, maximizing productivity and maintaining regulatory compliance. Consult with Avantor<sup>®</sup> experts for technical support and compliance assurance to get you up and running — and keep you running — hassle-free.



	System Scale	Standard Vessel Size	Mixing Technology	Skid Dimensions HxLxW (mm)	Weight (kg)	Maximum Impeller RPM	Configurable Options
	Process development	10 L	Magnetic driven free-floating 5-bladed impeller	447x260x454	35	5000	Single-use pH sensor
Heated blanket							
	Production scale	50 L	Magnetic driven free-floating 5-bladed impeller	1176x1006x600	135	500	Load cells
200 L		1176x1306x707		185	1000	Double jacket for temperature control	
500 L		1176x1686x887		275	1100	Single-use pH, conductivity, DO sensors	
1000 L		1176x1696x1087		360	1100	Single-use bag inflation assist system	
1500 L		1176x1796x1167		430	1100	Integrated chiller	

### HIGHLY EFFICIENT MIXING SYSTEMS

Avantor’s Magnetic Mixing Systems are powered by magnetic drives with a low shear rate, ensuring efficient and continuous mixing while preserving product integrity. The single-use systems deliver consistent homogeneity, maximizing both product quality and yield by minimizing destructive forces during the mixing process. Designed for exceptional performance, Our Magnetic Mixing Systems help maintain the delicate balance required for optimal results, ensuring thorough blending without compromising the final product.

### CUSTOMIZABLE TO FIT YOUR NEEDS

Avantor’s Magnetic Mixing Systems are available in sizes ranging from 5 L to 2000 L, offering modular flexibility and seamless scalability for your bioprocessing needs. Configurable to integrate with existing production systems, these mixers maintain the same high performance, technology and single-use connectivity across all sizes — from process development to full-scale production. Avantor collaborates with you to fully customize single-use fluid handling platforms, including bags and tubing, tailored to your specifications. Supported by our extensive component library and vertically integrated bag production, we ensure supply security and shorter lead times, all backed by our global innovation centers and robust supply chain network.

### TECHNICAL AND REGULATORY SUPPORT FROM OUR EXPERTS

Avantor’s Magnetic Mixing Systems are designed to ensure maximum productivity and regulatory compliance, with each unit manufactured to cGMP standards and supported by thorough documentation. Our expert technical team stands ready whenever needed, supporting you in keeping production running and on schedule. With intuitive software that allows you to program and save “favorites,” these systems streamline your bioprocessing tasks for greater efficiency. Whether troubleshooting or fine-tuning your process, our flexible support team is here to help you achieve consistent results and compliance with industry standards, ensuring worry-free, reliable performance at every stage.



To learn about the full suite of Magnetic Mixing System solutions from Avantor, scan the QR code below or visit: <https://www.vwr.com/mixing-systems>