

Advanced-Technology Mixer with Metenova Zero-g Technology

Terracon's line of turnkey, highly configurable, advanced-technology, magnetic-drive plastic mixing systems are designed for a wide range of applications in the FDA- and GMP-compliant pharmaceutical markets. The systems combine Metenova AB's Zero-g technology with Terracon's 40+ years of expertise in providing application-specific mixing technology.

The fully customizable systems are designed for pharmaceutical development and production processes where robustness, accuracy, flexibility, and non-metallic product contact are required. The turnkey systems save customers the time, cost, and risk of integrating motors, tanks, load cells, and accessories from multiple vendors. Six-week delivery will allow customers to formalize final specifications later in the development process — reducing capital risk and accelerating time to production.

The highly efficient mixing systems are designed with low shear to protect high-value pharmaceutical products. Metenova's proprietary Zero-g mix head technology levitates the mixer head vertically on a magnetic cushion. The design eliminates mechanical seals, acts as a shock absorber for the mixer to reduce the risk of particle shedding, and provides the highest level of aseptic design.

The mixer's polypropylene construction and mix head are USP Class VI-, FDA-, and GMP-compliant and provide 100% non-metallic surface contact. Ports and accessories are configurable to specific application needs. The mixing systems are available in 50L, 400L, and 1,000L sizes.

Customer Benefits

- Non-metallic plastic construction
- Configurable mixing system
- Polypropylene USP class VI, FDA /GMP compliant
- Magnetically coupled mix head
- Floating Zero-g technology
- Polypropylene mix head design
- Fast mixing times
- Fast delivery time
- Leading brands/partnership



High-Speed Precision
Mill Turn Center



Multi-Axis
Overhead Router

Mixer Specifications

	50 Liter	400 Liter	1,000 Liter
Tank size	50 Liter	400 Liter	1,000 Liter
Low-level mix volume	15 Liters	30 Liters	100 Liters
Metenova mixer	ZGP-2	ZGP-5	ZGP-7
Lid ports, maximum	5	7	10
Drain	Zero deadleg total outlet drain valve, options available		
View port	6 inch	8 inch	8 inch
100% non-metallic wettable surfaces	Yes	Yes	Yes
Load cell ready	Yes	Yes	Yes
VFD, NEMA 4x, Meltric quick disconnects	Included	Included	Included
Configurable accessories rack	Included	Included	Included
Base price*			

*Pricing varies with configuration



About Terracon

Terracon is an expert in plastics for mixing, transferring, and storing fluids. From standard, off-the-shelf products to custom-configured solutions, our products are found across a wide range of life science, medical, and industrial markets. Terracon combines engineering and technology expertise with deep applications knowledge to rapidly deliver solutions that address a broad variety of application needs.