



Zero-Maintenance
Pulsation Dampener



Zero-Maintenance Pulsation Dampener for Reliable Performance

ZM-Series Pulsation Dampener

- Reduces operating costs
- Extends product life for valves, fittings, meters, control instruments, and gauges
- Virtually eliminates damage-causing vibrations to weld connections, support structures, and pump components

Pulsation Management — Over Five Decades of Expertise

CoorsTek understands severe-service fluid handling systems. Partnering with design, facility, and maintenance engineers, we are able to optimize system productivity — prolonging product and equipment life. CoorsTek offers a wide range of pulsation dampening and stabilizing equipment to extend equipment life and reduce unscheduled maintenance.

Superior Versatility without the Hassle

Zero-Maintenance (ZM-Series) pulsation dampeners work well in a wide variety of systems and pressure ranges. Unlike gas-charged units, no adjustments are needed when system pressures or surge levels change. The beveled connection allows units to be welded directly inline — eliminating flange costs and potential flange leaks.

Advanced Performance

ZM-Series pulsation dampeners reduce pulsation over a variable operating range. Their stationary guides force the pulsating flow of fluid through a spherical shell. The spinning mass of media creates a system-smoothing effect, dampening surges from the amplified source.

Durable Materials

Standard ZM-series stabilizers are constructed with durable carbon steel. CoorsTek offers special corrosion resistance utilizing exotic materials for hostile environments and applications. Contact our severe-service experts for more information.

Wide Offering of Pulsation Equipment

In addition to the ZM pulsation dampener CoorsTek offers:

- Inline gas-charged pulsation stabilizers
- Appendage-type stabilizers
- FlowGuard® pulsation dampers
- Replacement bladders and repair kits:
 - Continental Emsco® PD-45, PD-50
 - Hydri® K-Series, IP-Series



ZM-SERIES PULSATION DAMPENER	VOLUME
ZM-12	3.9 gallons (14.7 liter)
ZM-18	13.2 gallons (50.0 liter)
ZM-30	61.2 gallons (231.6 liter)

About CoorsTek

CoorsTek combines advanced material technologies, precision manufacturing, and decades of engineering experience to solve real-world challenges in the energy, security & defense, industrial machinery, and other markets. Whether your company is global or domestic, CoorsTek works to serve you locally — supporting your business with over 500,000 square meters of manufacturing space with over 50 locations across four continents.

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