

Zenith Stainless Steel Metering Pumps

Cost Savings for Food Additives



Zenith B-9000 Pump (shown) or BPB provides greater uniformity and product stability

Food additives can be very expensive. Particularly concentrated additives such as flavorings or vitamin solutions. Over time, even small amounts of waste can add up to costly losses.

Industry Challenge

Do variations in storage tank levels and system pressure fluctuations result in continuously over- and under-dosing? Many factories must continuously overfeed additives to account for under-dosing. Injecting more additive than necessary costs money. Not enough results in a less than desirable product.

Why settle for low accuracy and poor repeatability from your food additive pumps? Are you sure that the amount of additive desired is truly being delivered to the process? Are your current pumps delivering additives to

your process in an irregular pulsating manner? If so, Zenith has the solution: positive displacement precision metering pumps. Zenith pumps deliver precise, repeatable and virtually pulse-less flow.

The Zenith Solution

Zenith precision gear pumps are constructed of cutlery-grade stainless steel for excellent corrosion and wear resistance. Precision ground and lapped components produce high efficiency and metering accuracy under varying process conditions. Internal design features produce a flow that is smooth and consistent.

Zenith pumps deliver an exact amount of flow eliminating the need for expensive flow meters or other flow control devices.

Zenith pumps are available in a variety of mounting styles tailored to fit your needs.

Optional shaft seals, pump materials, and pump designs are available. To ensure quick and effective cleaning without disassembly, flush-in-place features are also available.

How you Benefit

Performance — Zenith pumps produce precise, repeatable and pulse-less flow. If you are looking to reduce cost and improve product quality, Zenith pumps can help. Used together with a Zenith ZeDrive speed control package, set point speeds of +/- .01% can be achieved.

Quality — Zenith Pumps is dedicated to total quality and is ISO 9001 certified. Zenith's reputation is built on quality pumps and service.

Experience — Zenith has been designing and manufacturing precision gear pumps since 1926. With over 71 years of experience, our sales and engineering groups are prepared to tackle the most difficult applications.

Service — With only 3 moving parts in most pump designs, service is a snap. Repair manuals, video tapes, and repair seminars are all available to keep your pumps running at peak performance.

Zenith Pumps also offers an entire facility dedicated to pump repair. Short on tools or trained repair personnel—no problem. All Zenith pumps can be returned to the factory for complete overhaul or repair.



Zenith offers a complete line of pumps and metering systems for various food applications such as coloring additives, flavoring oils and additives, lecithin, and vitamin sprays.

Zenith[®]
Pumps