



Piston Filler





Robust, Accurate, Versatile

An original concept, the U.S. Bottlers piston filler provides the most accurate and uniform volumetric filling for liquid and semi-viscous products. The liquid system featuring an external pressurized supply tank, combined with a superior filling valve assembly enables refined control over the filling process. Reliable and efficient peak performance with reduced maintenance.



PRINCIPLES OF DESIGN

The Rotary Piston Filler design is based on filling every container with a pre-determined volume of product. This provides the most accurate volume fill regardless of fluctuations in product or container characteristics.

PRINCIPLES OF OPERATION

The containers are fed onto the Rotary Piston Filler, separated, then positioned on individual filling stations, under custom designed filling valves. Based on a container being present the filling process begins at a filling rate designed to suit the container's particular shape and dimensions and the product flow characteristics. Once the target fill volume is achieved, the flow of product is stopped, and the filling process stops. The full containers are discharged from the machine.

Available in several frame sizes, as well as in monoblock configuration with a capper, the Rotary Piston Fillers operate at speeds of up to 500 BPM.



Feature: Pressurized liquid systems, custom engineered for every application.

Benefit: Advanced control over the filling process, no air entrapment, advanced CIP capabilities.

Feature: Superior design filling assemblies incorporating rolling diaphragms and seal-less pistons.

Benefit: Consistent and accurate fill volumes, no leaks, and reduced wear.

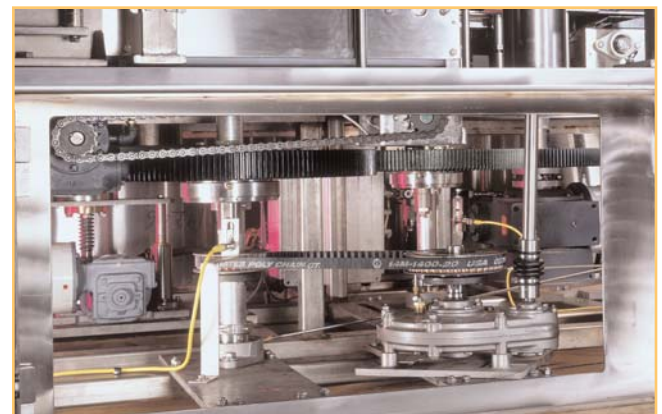


Feature: All drive train components located inside machine base.

Benefit: Protected from aggressive environment, extended life, clean and unobstructed cabinet surface.

Feature: Tool-less, quick-release container handling attachments.

Benefit: Easy and fast changeover between production runs.



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