



# Automatic Gravimetric Pail Filler

## Imagined

Develop a user friendly, compact, and versatile filler to service the needs of manufacturers wishing to automate their pail filling processes.

## Engineered Solution

A flexible inline/cross push filler expandable to accommodate up to 3 filling heads, with unique design features to integrate glycol topping systems, lid placers, detectors, closers/crimpers, tapers and label applicators, with true plug and play capabilities.



Kinesys Automation's Pail Filling Platform System will accommodate the automated filling of standard 3.5 / 5 / 6 gallon metal and plastic open-top pails via digital net-weight fill controls.

The system is equipped with an overhead hopper and high-low hopper level controls. The gravity hopper configuration provides maximum product flow with minimal pressure, resulting in a fast and accurate fill. The system is equipped with both purge and hopper-wash controls.



The Pail Filler is quickly and easily cleaned by purging with water, solvent, or an appropriate cleaning solution. Each fill head assembly consists of a sanitary, 316 stainless steel, Teflon cavity-filled, air-actuated ball valve used in conjunction with a capillary fill nozzle. The ball valve and pneumatic actuator packings are easily and inexpensively replaced with standard rebuild kits, eliminating the need for custom and costly mechanical fill head or piston pump components. All connections are sanitary, tri-clamp for fast change-over, cleaning and maintenance.

### Speed & Accuracy (2-Heads):

- 3.5-Gallon Pail: 20 pails per minute, +/- 0.3%
- 5-Gallon Pail: 15 pails per minute, +/- 0.3%
- 6-Gallon Pail: 13 pails per minute, +/- 0.3%



### Standard Features:

- Walking Beam Side Transfer System
- Automatic Drip Pan
- Custom, Simplified Indicator Prompts
- Self Correcting Net-Weight Indicator Controls
- Spill Pan
- Quick-Connect Purge Manifold
- Product Infeed Control Valves

### Optional Features:

- Glycol topping system
- Lid Placement system
- Lid Detection system
- Lid Closing/Crimping system
- Label Applicator System
- Infeed/Discharge Conveyors and Controls
- Stainless Steel Construction
- Explosion Proof Controls (Suitable for a Class 1, Division 1 Hazardous Environment)