



INTERMITTENT FLOW NET WEIGHT PAIL FILLING AND LIDDING SYSTEM



Flexibility & Operating Efficiency

- Long lasting flow measuring devices
- Guaranteed accuracy of +/- 0.50% or better
- Supports light to viscous products with minimal change over
- Designed for speeds ranging from 2 to 15+ Pails or Boxes per minute
- Accommodates wide range of container sizes and volumes

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The two-station or four-station fully automatic filling and lidding system provides a bottom-up fill that is ideal for a wide variety of thin, foamy and viscous products.

The two stage nozzle design permits a “variable-rate-of-flow” fill cycle while the generously sized fill tube maintains a low discharge velocity with minimal liquid turbulence. The nozzle tip may be maintained just beneath or just above the liquid surface while the nozzles ascend in synchronization with the liquid rise.

Once filled, the pails are gently and quickly transferred to the lidding system via the unique “gravity roller deck” and centerline roller chain “kiss” design. Fill heights within 1/4” of the pail’s rim are possible.

The lidding system features an inclined magazine with a stack capacity of 72” to provide approximately 10 minutes of run time before reloading. Lids are automatically denested and then drop, two at a time, into a lid chute where they await the next set of pails. The rim of the first pail engages the lid and immediately enters the synchronized powered overhead belt compression section. The second lid slides forward in time to engage the second pail. The lids are gently pressed and sealed in place.

The two-station system provides production rates up to 8 PPM.

For lower production needs, semi-automatic two station systems are available. With this system, the operator transfers the pails manually onto the scales and initiates the fill cycle.

For higher speeds, a four-station inline model is available for rates up to 15 PPM. For rates above 15 PPM, the “Z-Line” provides high efficiency and full automation.

Standard Filling System Features:

- All stainless steel sanitary construction with 304 SS wetted parts
- Sanitary infeed conveyor with low-friction chain & serpentine return
- Gravity rollers with centerline roller chain provide controlled movement of full pails
- Model 662 Series Weight Scale Controller by GSE Scale Systems, Inc.
- 100-lb. capacity, NTEP certified roller platform scales with 0.01-lb resolution
- PLC and scale interface permits program edits
- Bottom-up fill nozzle with low velocity discharge
- Variable rate of product flow control
- Pivot-style drip cups with wiper blade
- Nozzle elevation system with synchronized lift
- NEMA 4X enclosures for electrical and pneumatic components



Standard Lidding System Features:

- NEMA 4X enclosures for electrical and pneumatic components
- Sanitary conveyor with compression zone reinforcement
- 72” lid magazine with barrel cam denester and all pneumatic control circuit
- Synchronized/powered lid compression with urethane belts & gravity roller backup
- Height adjustment for all pail sizes
- Variable speed, hollow shaft gear motor drives with synchronized speed adjustment.
- Lexan safety guard enclosure

Options:

- Interface with existing pump and drive system for variable rate of product flow support
- Dairy 3A sanitary design with 316SS wetted parts or USDA approval
- Automatic lid orientation to correctly position the pour spout in relation to the pail handle