



---

## ABC HIGH-SPEED AUTOMATIC BAG-IN-BOX FILLERS

ABC manufactures fully automated high-speed fillers with the capability to fill up to 25 bags per minute. Two models are available, HS-2000 (single head) or HS-4000 (dual head); model selection is dependent on throughput requirements.

The HS-2000 and HS-4000 can accommodate a broad range of bags, fitments, and dispensers. With an Allen Bradley Control-Logix platform, these fillers provide ease of use and flexibility for accurate filling, maximum product yield, rapid product changes, trending, rapid troubleshooting, and simplified user operations. Either model comes standard with a servo-driven positive displacement pump to provide the most accurate fills with minimum foaming. Both models are fully programmable from the HMI, enabling users to optimize fill rates and related processes. With a high-speed filler, manufacturers can gain the following:

- Increased production capacity
- Enhanced yields and profits thru improved precision and accuracy
- Increased productivity with loading and unloading automation
- Clean environment from drip-free filling, sanitary design, and clean-in-place system
- Ease of use with a customized operator interface
- Increased uptime facilitated with production monitoring
- Long equipment life via durable and quality construction

ABC high-speed fillers are easy to implement—one operator runs the filler in production mode. The filler runs in a fully automated mode and signals the operator when bags need replacing. Product changeovers from one fluid to another only take three steps: system drain down, automated clean-in-place (CIP) cycle, and product selection by the operator at the interface.

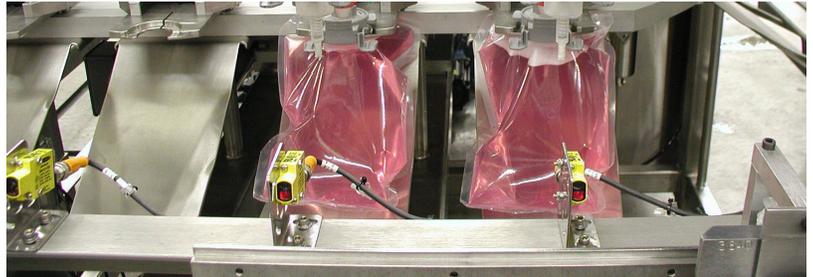
### FEATURES:

- Fully programmable fill levels and rates
- “No-drip” valve
- Bag and fitment presence sensors
- Allen Bradley controls
- Quick change tooling
- Automatic fitment removal
- Automated bag loader and unloader
- Box loader
- Customized operator interface
- Production monitoring with ERP interface
- Compatible with packaging lines



## HS-2000 AND HS-4000 PRODUCT SPECIFICATIONS

- Wine/Spirits
- Water
- Hand Soaps
- Commercial Detergents
- Motor Oil



PRODUCT	HS-2000	Single head
	HS-4000	Dual head
FILL RATE*	HS-2000	3-5L: 15 bags/min 10L: 14 bags/min 20-24L: 9 bags/min
<small>*STATED FILL RATES ARE BASED ON OPTIMUM CONDITIONS</small>		
	HS-4000	3-5L: 25 bags/min 10L: 25 bags/min 20-24L: 18 bags/min
FILLING ACCURACY		+/- 0.3%
PLASTIC BAG SIZES		3 liters to 24 liters
FILLED TEMPERATURES		Chilled product or heated product up to 185 °F (85 °C)
PRODUCT METERING		Servo-driven positive displacement pumps
SANITARY STANDARDS		T316 stainless, Teflon®, product compatible elastomers, 3A sanitary welds
NON-PRODUCT SURFACES		T304 stainless, fitted for clean-in-place service
DIMENSIONS	HS-2000	10' x 6' x 15' (l x w x h)
	HS-4000	15' x 7' x 15' (l x w x h)
WEIGHT	HS-2000	5,000 lbs.
	HS-4000	6,500 lbs.
ELECTRICAL		460V 3-phase, approximately 40 Amp
PNEUMATICS		20 SCFM @ 80 psi
OPTIONS		Nitrogen top off Case erector with bottom case sealer Top case sealer Case coder Product and case labeling Automated palletizer with stretch wrapping CE and UL listed panels

Teflon is a registered trademark of E.I. du Pont de Nemours and Company