



ABCO ROTARY BAG-IN-BOX FILLERS

ABCO manufactures automated rotary bag fillers with fill capabilities between 12 to 60 bags per minute. Two models are available, RD-1000 (single head) or RD-4000 (four heads); model selection is dependent on throughput requirements. The RD-1000 and RD-4000 fillers are ideal for applications that have separate fitments/dispensers and bags.

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. The filler's variable design allows it to accommodate a broad range of bags, fitments, and dispensers. 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. Employing a rotary bag 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 via a customized operator interface
- Increased uptime facilitated with production monitoring
- Long equipment life with durable and quality construction

ABCO rotary bag fillers are easy to implement—one operator runs the filler in production mode. The operator initially loads the bag web into the machine then selects the product to be run from the operator interface. 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
- Automated bag loader and unloader
- Automated fitment/dispenser pick and place
- Drop chute to conveyor or box
- Customized operator interface
- Production monitoring with ERP interface
- Compatible with packaging lines



RD-1000 AND RD-4000 PRODUCT SPECIFICATIONS

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



PRODUCT	RD-1000	Single head
	RD-4000	Four heads
FILL RATE	RD-1000	1-3L: 15 bags/min 3-5L: 12 bags/min
	RD-4000	1-3L: 60 bags/min 3-5L: 48 bags/min
FILLING ACCURACY		+/- 0.3%
PLASTIC BAG SIZES		1 liter to 5 liters
FILLED TEMPERATURES		Chilled product or heated product up to 185 °F (85 °C)
PRODUCT METERING		Servo-driven positive displacement pump
SANITARY STANDARDS		T316 stainless, Teflon®, product compatible elastomers, 3A sanitary welds
NON-PRODUCT SURFACES		T304 stainless, fitted for clean-in-place service
DIMENSIONS	RD-1000	16' l x 12' w x 15.5' h
	RD-4000	26' l x 24' w x 10' h
WEIGHT	RD-1000	5,000 lbs.
	RD-4000	7,500 lbs.
ELECTRICAL		460V 3-phase, approximately 40 Amp
PNEUMATICS		20 SCFM @ 80 psi
OPTIONS		Nitrogen top off Case erector/bottom case sealer Top case sealer Case coder Product and case labeling Automated palletizer with stretch wrapping CE and UL listed panels

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