

# PRODUCT CONFIGURATIONS



**N-1065**

## Dust-Free, Automated Bulk Bag Unloader



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**flexicon**<sup>®</sup>

# Dust-Free, Automated Bulk Bag Unloader

## Eliminates dust during untying, discharging, retying, collapse and removal of bags while promoting complete discharge

Flexicon's newest generation Bulk Bag Unloader eliminates dust during untying, discharging, retying, collapse and removal of bulk bags while increasing safety and promoting complete discharge from the bag.

Central to the new design is a bulk bag/hopper interface consisting of a manual SPOUT-LOCK® clamp ring\* positioned atop a pneumatically actuated TELE-TUBE® telescoping tube. Together, the devices enable an operator to make a quick, dust-tight connection between the bag spout and hopper, and to automatically elongate the bag as it empties to promote flow and evacuation.

The telescoping tube raises the clamp ring assembly that seals the clean side of the bag spout to the clean side of the telescoping tube, then lowers until the bag spout is pulled taut. Once the spout is untied, the telescoping assembly exerts continual downward tension on the spout, elongating the bag as it empties.

The high-integrity, dust-tight seal between bag spout and clamp ring allows full-open discharge from the bag, often eliminating the need for iris valves commonly employed to reduce the escape of dust by reducing the high initial rate of flow from the bag.

For applications requiring retying of partially empty bags, Flexicon also offers a POWER-CINCHER® pneumatically actuated flow control valve\*. Unlike opposing bars that pinch the spout from two sides, the Flexicon valve contains a series of curved, articulated stainless steel rods that cinches the spout concentrically on a horizontal axis for easy tie offs, and vertically in a tight zigzag pattern to prevent leakage of fine powders.

An optional BAG-VAC® dust collector creates negative pressure within the dust-tight system to collapse empty bags prior to retying and disconnection, eliminating dust emitted during manual flattening of empty bags. The unloader is also equipped with FLOW-FLEXER® bag activators that raise and lower opposite bottom edges of the bag at timed intervals, loosening compacted materials and promoting material flow into the bag discharge spout.

BFC Series unloaders feature a cantilevered I-beam with electric hoist and trolley to raise and position bulk bags without the use of a forklift. Also offered are BFF Series unloaders equipped with top-mounted receiving cups and removable bag-lifting frames for forklift loading of bulk bags.

All are available with integrated scale systems for loss-of-weight batching directly from bulk bags.

Construction is of carbon steel with durable industrial finish, or stainless steel in industrial or sanitary finish, including units designed and constructed for 3-A compliance.

*\*Patent(s) granted and/or pending.*



*High-integrity seal allows full-open discharge from bulk bags dust-free*