



# BULK-OUT® BULK BAG DISCHARGERS



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# BULK-OUT® Bulk Bag Dischargers

Dust-free loading, untying, retying and removal of bulk bags

**Broad model range  
satisfies general to  
specific requirements**

Flexicon BULK-OUT® Bulk Bag Dischargers are offered in numerous frame configurations for loading and unloading of bulk bags using a powered hoist and trolley or a forklift. Specialized models include split frames for forklift loading of bags in low headroom areas, half frames for suspending bags during discharge using a forklift, continuous loss-of-weight dischargers for uninterrupted feeding directly from bulk bags, and other application-specific designs.

**Revolutionary advances  
overcome limitations of  
outdated designs**

Just as bulk bags changed the way you stored and shipped bulk material in the past, so will these bulk bag dischargers revolutionize the way you load, untie, retie, remove and collapse bulk bags in the future.

No longer must your operators reach through cramped access doors and awkward glove boxes, struggle to retie partially empty bags, clean up spillage after disconnections, dislodge materials from dead spots or flatten bags manually.



**Patented SPOUT-LOCK® clamp ring eliminates dust  
during untying, discharge, bag collapse and removal**

The SPOUT-LOCK® clamp ring creates a high-integrity, sealed connection between the clean side of the bag outlet spout and the clean side of the telescoping tube. This prevents contamination of the product, while eliminating the plant contamination that occurs when

falling material displaces air and dust from the hopper. The clamp ring is fully accessible and manually operated using quick-release handles for rapid and safe, yet secure, bag spout connections. Available USDA accepted.

## **Model BFF BULK-OUT® Bulk Bag Discharger (Forklift loading)**

*Shown with the following options: FLOW-FLEXER® bag activators, POWER-CINCHER® flow control valve, SPOUT-LOCK® clamp ring, TELE-TUBE® telescoping tube, and hopper with non-flow-through pick-up adapter for multiple pneumatic conveying lines.*



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## Performance never before possible

You can eliminate the drawbacks of outdated designs—while dramatically improving convenience, safety and cleanliness—with Flexicon's latest generation of bulk bag dischargers. The heart of the new design is a bag spout interface that not only creates a dust-tight seal, but promotes material flow and total evacuation. It also allows easy retying of partially empty bags, and can collapse empty bags—free of spillage and dust.



**Patented Z-CLIP™** bag strap holder allows fast, easy and secure insertion and removal of bag straps.

**POWER-CINCHER®** flow control valve cinches the bag spout concentrically.

**SPOUT-LOCK®** clamp ring eliminates dust during untying and discharge.

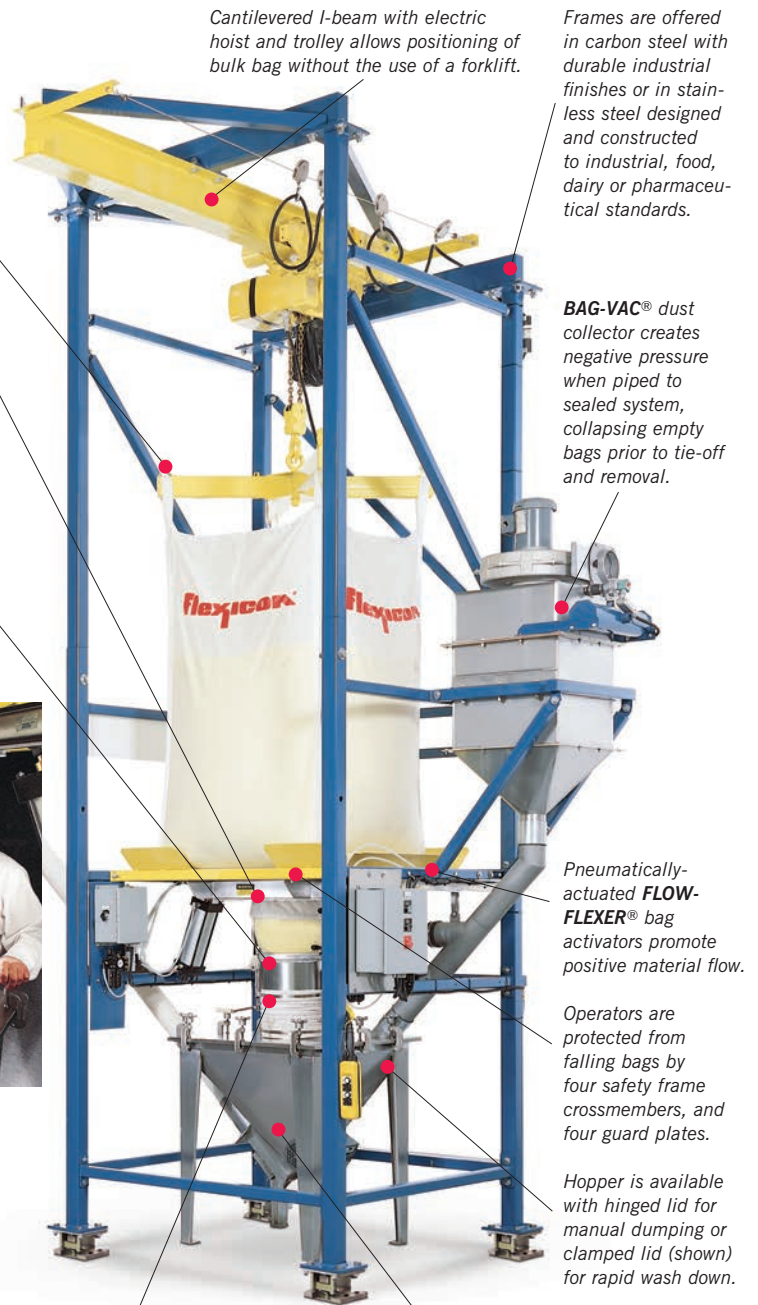


**TELE-TUBE®** telescoping tube prevents dead spots and promotes flow

The TELE-TUBE® telescoping tube raises the SPOUT-LOCK® clamp ring for connection to the bag spout, then lowers, applying continual downward tension. As a result, the spout is kept taut at all times, preventing excess spout material from bulging outward (creating dead pockets) or



falling inward (creating flow restrictions). Works in conjunction with SPOUT-LOCK clamp ring and FLOW-FLEXER® bag activators (see page 21) to promote material flow and total evacuation. Available USDA accepted.



Cantilevered I-beam with electric hoist and trolley allows positioning of bulk bag without the use of a forklift.

Frames are offered in carbon steel with durable industrial finishes or in stainless steel designed and constructed to industrial, food, dairy or pharmaceutical standards.

**BAG-VAC®** dust collector creates negative pressure when piped to sealed system, collapsing empty bags prior to tie-off and removal.

Pneumatically-actuated **FLOW-FLEXER®** bag activators promote positive material flow.

Operators are protected from falling bags by four safety frame crossmembers, and four guard plates.

Hopper is available with hinged lid for manual dumping or clamped lid (shown) for rapid wash down.

**TELE-TUBE®** telescoping tube prevents dead spots and promotes flow.

A wide variety of hopper designs connect to processing equipment, pneumatic or mechanical conveyors.

## Model BFC BULK-OUT® Bulk Bag Discharger (Electric hoist and trolley loading)

Shown with the following options: FLOW-FLEXER® bag activators, POWER-CINCHER® flow control valve, SPOUT-LOCK® clamp ring, TELE-TUBE® telescoping tube, BAG-VAC® dust collector, and hopper with adapter for flexible screw conveyor.



All FLEXICON discharger frames and components available USDA accepted.

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## Total dust containment with BAG-VAC® dust collector



The high-integrity connection between bag outlet spout and discharger creates a sealed system that can be vented through a filter sock to a central

dust collection system, or to an optional BAG-VAC® dust collector. Actuating the BAG-VAC dust collector creates negative pressure within the sealed system to collapse empty bags prior to retying, eliminating dust commonly emitted when bags are flattened manually. In addition, the BAG-VAC dust collector vacuums any particles trapped in spout creases during disconnect, eliminating the need for awkward access ports. Where absolute spillage containment is essential, an optional double wall version of the TELE-TUBE® telescoping tube draws errant particles into the dust collector through an annular gap that encircles the bag spout seal.



**Conventional iris valves also available**

*Iris valves are recommended when a sealed connection is unnecessary. Once the iris valve is closed around the bag spout, the spout can be untied, the access door closed, and the valve opened gradually to control the rate of discharge.*



*The Dust Containment Enclosure contains spillage and dust that can escape through seams in the bag and folds in the spout. The six-sided enclosure is equipped with an exhaust port for dust collection and a hinged door with inspection window.*

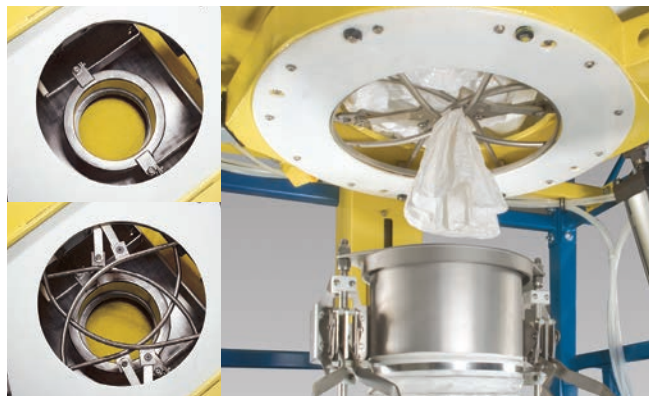


*This Half Frame Bulk Bag Discharger offers total dust containment at low cost by eliminating upper frame components to lift and/or position the bag, instead relying on the user's forklift or plant hoist to suspend the bag above the unit during operation.*



*This Mobile Half-Frame Bulk Bag Unloader with multi-purpose hopper allows material to be discharged from bulk bags suspended from forklifts or hoists, manually dumped from sacks, and conveyed to equipment and storage vessels—dust free.*

## Leak-proof retying of spouts with POWER-CINCHER® flow control valve



Unlike opposing bars that pinch the spout of partially empty bags from two sides, the patented POWER-CINCHER® pneumatically-actuated flow control valve contains a series of curved, articulated stainless steel rods that cinch the spout concentrically on a horizontal

axis for easy tie-offs, and vertically in a tight zigzag pattern to prevent leakage of even the finest powders. It also resists jamming, breaking and leaking, and allows full-open discharge from bag spouts of all popular diameters. Available USDA accepted.



*This BFC Series Bulk Bag Discharger is equipped with a small surge hopper that directs material into the throat of a variable speed rotary airlock feeder for volumetric or gravimetric metering into positive- or negative-pressure pneumatic conveyor lines.*

*Flexicon Bulk Bag Continuous Loss-of-Weight Dischargers feature an activated surge bin and flexible screw conveyor, allowing continuous loss-of-weight (gravimetric) feeding directly from bulk bags. System software switches to volumetric mode during bag changes.*

## Multi-purpose intake chute and manual dumping station



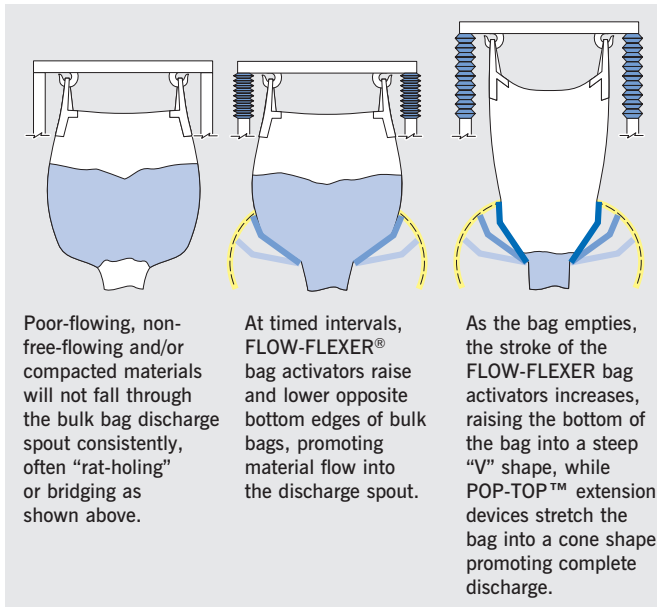
The Multi-Purpose Hood allows automatic discharging from bulk bags as well as manual emptying from sacks, drums and other containers. Available as an option on both BFC and BFF Series dischargers, it can operate with an optional dust collector to prevent contamination of the product and plant environment.

Round frame rails are easy to locate into receiving cups, and slide into position.

**Z-CLIP™** bag strap holders offer the fastest, most secure way to connect bag straps to the lifting frame.

Fork tips slide easily and securely into full-length rectangular sleeves, unlike frames having separated forklifting points.

Extra-wide receiving cups and backstops maximize the operator's target area.



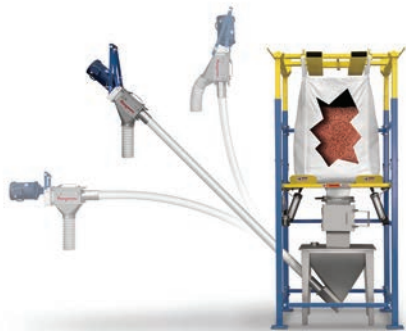
### BFF Series BULK-OUT® Bulk Bag Discharger (Forklift loading)

Shown with the following options: POWER-CINCHER® flow control valve, SPOUT-LOCK® clamp ring, TELE-TUBE® telescoping tube, FLOW-FLEXER® bag activators, BAG-VAC® dust collector, Flexicon® flexible screw conveyor, load cells for automated loss-of-weight batching directly from bulk bags, and control panel with touch screen interface.



This Split-Frame Bulk Bag Discharger accommodates bulk bags and—with upper frame removed—rigid bins. The removable top frame can also be lowered to the plant floor for connection and disconnection of bag loops, significantly reducing ceiling height requirements.

# Configurations (Page 1 of 4)



*Garnet Delivery System  
for Waterjet Cutters*



*Discharger Pierces Single-Use  
Bulk Bags, Cuts Cycle Times*



*Sanitary Bulk Bag Discharger  
with Open Channel Construction*



*Stand-Alone Dust Collector  
for Bulk Bag Dischargers*



*Mobile Flexible Screw Conveyor  
for Bulk Bag Discharging  
and Manual Dumping*



*IBC Discharger  
for Low Headroom Areas*



*Enclosed Bulk Bag Discharger*



*Bulk Bag Discharger  
for Explosive Environments*



*Bulk Bag Weigh Batch Unloader  
with Seismic Bracing*

## Configurations (Page 2 of 4)



*Bulk Bag Lifting Frame  
with Adjustable Arms*



*Bulk Bag Weigh Batching System  
with Integral Tubular Cable  
Conveyor*



*Low-Profile Bulk Bag Discharger  
Fits Existing Layouts*



*Bulk Bag Discharger  
with Hopper Shuttle System*



*Discharger Dust Containment  
Enclosure Contains Bag Spout  
Leaks and Spills*



*Mobile Bulk Bag Discharger  
with Bag Dump Station,  
Flexible Screw*



*Bulk Bag Discharger  
for Pneumatic  
Conveying System*



*Bulk Bag Discharger for Sanitary  
Weigh Batching System*



*Bulk Bag Dischargers  
for Weigh Batch  
Educator System*

## Configurations (Page 3 of 4)



*Bulk Bag Discharger  
for Sanitary Processes*



*Spilt-Frame Bulk Bag Discharger  
for Low Ceilings*



*Bulk Bag Discharger  
with Flexible Screw Conveyor*



*Bulk Bag Discharger  
with Rotary Airlock Valve*



*Half Frame Bulk Bag Unloader  
for Pneumatic Conveyors*



*Bulk Bag Weigh Batching  
and Blending System*



*Bulk Bag Discharger  
with Integral Conditioner*



*Bulk Bag Discharger  
with Multi-Purpose  
Hopper Interface*



*Bulk Bag Dischargers  
for Weigh Batching System*

# Configurations (Page 4 of 4)



*Bulk Bag Discharger  
for Loss-of-Weight Feeding*



*Bulk Bag Loss-of-Weight  
Pneumatic Batching System*



*Half Frame Bulk Bag Discharger  
with Flexible Screw Conveyor*



*Bulk Bag Discharger  
with Non-Flow-Through  
Pick-Up Adapter*



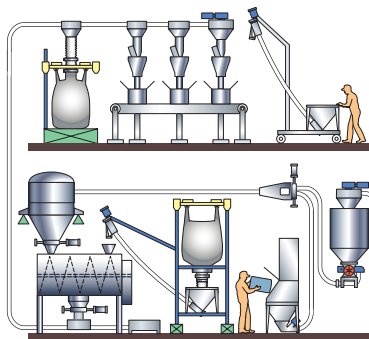
*Bulk Bag Weigh Batch  
Discharging System*



*Single-Trip Bulk Bag Discharger  
for Low-Headroom Areas*



*Bulk Bag Discharger  
for Volumetric Feeding  
of Rigid Bins*



*Engineered, Integrated  
Bulk Handling Systems*

# Broad Range of Bulk Handling Equipment and Systems



**FLEXICON® Flexible Screw Conveyors** transport free- and non-free-flowing bulk solid materials from large pellets to sub-micron powders, including products that pack, cake or smear, with no separation of blends.



**FLEXI-DISC® Tubular Cable Conveyors** gently slide friable bulk material through smooth stainless tubing at any angle to single/multiple points.



**PNEUMATI-CON® Pneumatic Conveying Systems** move a broad range of bulk materials over short or long distances, between single or multiple inlet and discharge points in low to high capacities.



**SWING-DOWN®, REAR-POST and TWIN-CENTERPOST™ Bulk Bag Fillers** can fill one bulk bag per week or 20 per hour at the lowest cost per bag. Numerous performance options.



**BLOCK-BUSTER® Bulk Bag Conditioners** loosen solidified material. Variable height turntable positions bag for conditioning on all sides at all heights.



**BULK-OUT® Bulk Bag Dischargers** unload free- and non-free-flowing solids from bulk bags automatically. Allows untying, discharging, retying and collapsing.



**FLEXICON® Manual Dumping Stations** allow dust-free dumping of bulk material from bags and other containers. Automatic filter cleaning allows continuous, efficient operation.

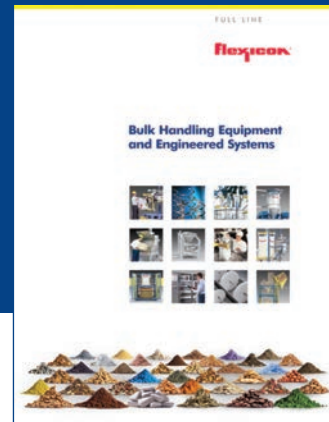


**TIP-TITE® Container Dumpers** empty bulk material from drums into vessels up to 10 ft (3 m) high. Dust-tight (shown) or open chute models.



**FLEXICON® Weigh Batching Systems** weigh and blend bulk ingredients automatically. Gain-in-weight (shown) and loss-of-weight systems available.

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*Flexicon products are manufactured on four continents, and marketed through an extensive sales network throughout Europe, Australia, Southeast Asia, Africa and North/Central/South America.*

HH-0728E

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