



BULK BAG FILLERS



1-888-FLEXICON • SALES@FLEXICON.COM

Flexicon® Bulk Bag Fillers

Three designs satisfy the entire range of bulk bag filling requirements without compromise

Flexicon offers three bulk bag filler configurations, each of which is engineered to deliver optimum performance across specific capacity ranges with maximum cost effectiveness.

Flexicon's patented TWIN-CENTERPOST™ filler (bottom right), satisfies low- to medium-capacity filling requirements and/or sanitary applications where frequent wash down or compliance with USDA Dairy standards is required.

Flexicon's latest bulk bag filling innovation is the patented SWING-DOWN® filler (page 24). Designed for medium- to high-capacity applications, this revolutionary design brings the fill head to the operator at floor level for faster, safer and easier bag connections.

The REAR-POST filler (page 25, bottom left) is intended for medium- to high-capacity applications requiring pass-through conveyors and/or powered fill head height adjustment.

Each of these designs satisfies a distinct range of bulk bag filling applications, and is available with performance enhancements to meet your individual requirements with extreme cost effectiveness. From basic, low-cost fillers to automated, high-capacity systems and everything in between, Flexicon offers precisely what you need for bulk bag filling success.

(For sanitary Bulk Bag Fillers, see page 28.)

STANDARD FEATURES INCLUDE:

- Rugged TWIN-CENTERPOST, REAR-POST or SWING-DOWN configuration
- Forklift fill head height adjustment to accommodate all popular bag sizes
- Inflatable collar to hold and seal the bag inlet spout
- Pneumatically retractable bag strap hooks for quick, positive strap release
- Vent port for air displacement and dust control

OPTIONAL FEATURES INCLUDE:

- Accurate weigh scale system with automated control
- Automated vibratory densification/deaeration system to stabilize the bag
- Inflator to expand empty bag and liner, and remove creases prior to filling
- Pneumatically-actuated material flow control valve
- Custom controls for integrated material feed system
- Drum/box filling conversion kit
- Powered fill head height adjustment (REAR-POST and SWING-DOWN fillers only)
- Powered or gravity roller conveyor for bulk bag staging and removal
- Pallet-jack accessible base

Material delivery systems

Flexicon will custom engineer an automated delivery system according to your specific bulk material and process requirements. Whether your system must integrate with new or existing upstream equipment, elevate non-free-flowing materials, or prevent the surging of free-flowing materials from elevated storage vessels, Flexicon offers precisely what you need to keep your filler well fed:

- Flexible screw conveyors
- Pneumatic conveyors
- Controls and weighing systems
- Conveyor and feeder inlet adapters to interface with material sources
- Surge bins and other storage vessels for overhead material delivery



Patented TWIN-CENTERPOST™ Bulk Bag Filler

Flexicon TWIN-CENTERPOST Bulk Bag Fillers feature a patented frame design that is exceptionally simple, strong and stable, and economical to fabricate. Recommended for applications requiring low- to medium-capacity filling and/or rapid, thorough wash down, it is the first bulk bag filler available designed, constructed and finished to USDA Dairy Accepted requirements, and is also offered in carbon steel with durable industrial coatings (shown).



1-888-FLEXICON • SALES@FLEXICON.COM

Revolutionary SWING-DOWN® Fillers

Brings fill head to operator for floor-level bag connections

Flexicon's latest innovation in bulk bag filling features a pivot-down fill head that enables the operator to connect empty bags at floor level and resume filling operations rapidly, eliminating the need to climb steps, strain to reach overhead connection points, or risk injury associated with operation of competitive bulk bag fillers.

The SWING-DOWN® filler simultaneously lowers and pivots the fill head, stopping it in a vertically-oriented position that places the bag inlet spout inflatable connection, inflator button, and four bag loop latches within one arm's length of an operator standing on



the plant floor. Bringing the fill head to the operator in a vertical position at floor level can significantly increase the safety and speed of connecting bulk bags, since the connection points of a conventional filler are beyond the reach of most operators, even when short bags are being filled. For example, the connection points for bulk bags of only 48 in. (1220 mm) in height are approximately 7 ft (2130 mm) above the floor, considering the height of a roller conveyor and the length of bag loops in addition to the height of the bulk bag.



An operator is connecting a bag spout to the vertically-oriented bag connection frame at floor level.

The design also eliminates the danger of repeatedly stepping onto and over roller conveyors to access rear bag hooks and spout connection collars, and of standing on the conveyor and bending over with head and arms inserted beneath operational fill head components to pull bag spouts upward over inflatable collars while reaching for bag inflator buttons.

A remote console or wall-mounted panel houses controls to raise and pivot the fill head into a locked, horizontal "fill position," automatically inflate the bag to remove creases, open a flow control valve or start a feed device, and stop the flow of material once a preset fill weight has been gained. Optional vibratory decks deaerate and densify material in the bag at preset set points to create a solid, stable bag, ready for shipment.

Once bags are filled, the controller deflates the spout connection collar, releases the loop latches, and raises the fill head to fully disengage the spout, enabling the bag to exit the filler automatically on the roller conveyor.



As the entire fill head rises, the bag connection frame is pivoting to a horizontal position.

An innovative latch mechanism automatically resets the latch after releasing the bag loops, and re-positions it as the fill head pivots into a vertical



The bag connection frame has pivoted to horizontal position, the fill head is raised to "bag fill" position, and the bag has inflated to remove creases.

position, enabling the latch to receive bag loops easily inserted by an operator and to re-latch automatically, securing the bag.



Combination SWING-DOWN® Bulk Bag and Drum Filler

Flexicon's patented SWING-DOWN Bulk Bag Filler represents a total re-think of the bulk bag filling process, allowing operators to connect empty bags at floor level. The model above is equipped with an optional swing-arm-mounted drum filling chute which automatically rotates to deliver material to all four drums on a pallet.

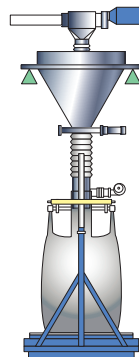
REAR-POST and TWIN-CENTERPOST™ Fillers

Models to fulfill the lowest to the highest capacity requirements

Basic units to fully automated, high capacity, feeder/filler systems

For fast, accurate, and stable weigh-filling of small to large volumes of free- and non-free-flowing bulk materials, Flexicon bulk bag fillers are offered in

two configurations: with load cells which measure weight gain of the bulk bag filler (below) and with weigh hoppers suspended above the bag filler (right) allowing simultaneous recharging of the hopper and replacement of the bulk bag to achieve high filling rates.



BASIC FILLER for lighter-duty minimizes cost, yet offers an inflatable bag spout seal and feed chute dust vent port, plus optional performance features.

Forklift fill head height adjustment accommodates all popular bag sizes. Powered height adjustment also available.

Pneumatically retractable bag hooks partially suspend bag during filling for superior bag shape, stability, and utilization of capacity. Bag straps are released manually, or automatically upon completion of filling cycle.

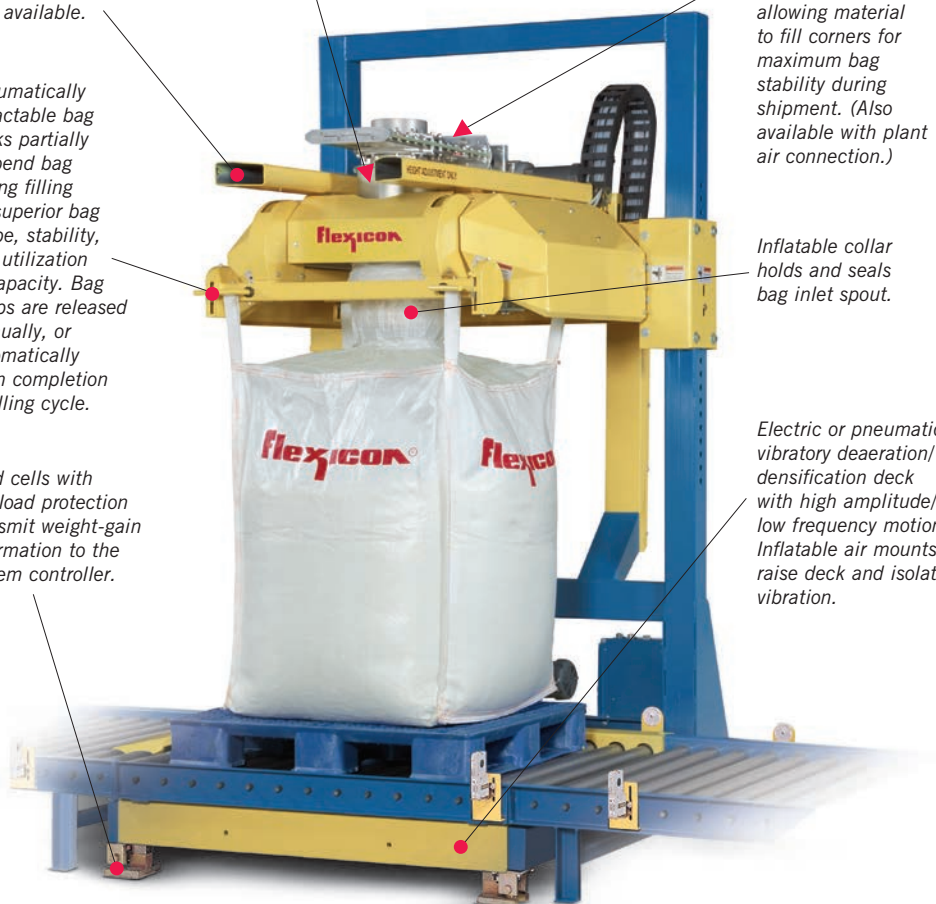
Load cells with overload protection transmit weight-gain information to the system controller.

Air displacement outlet for connection to filter sock, cartridge filter, or dust collector (hidden by discharge spout assembly).

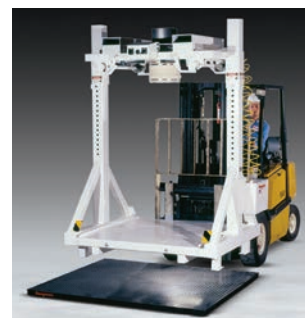
Bag inflation blower removes creases and pre-shapes bag, allowing material to fill corners for maximum bag stability during shipment. (Also available with plant air connection.)

Inflatable collar holds and seals bag inlet spout.

Electric or pneumatic vibratory deaeration/densification deck with high amplitude/low frequency motion. Inflatable air mounts raise deck and isolate vibration.



Flexicon's Low Profile Bulk Bag Filler allows removal of loaded bags using a pallet jack, eliminating the need for a forklift.



This TWIN-CENTERPOST™ frame can be forklifted onto an all-purpose plant scale, eliminating the cost of load cells and controls.

REAR-POST Bulk Bag Filler

Flexicon REAR-POST Bulk Bag Fillers feature a cantilevered fill head that provides three-sided access preferable for "pass-through" conveying using a roller conveyor. It also offers powered fill head height adjustment as an option, allowing rapid raising and lowering of the fill head to accommodate bags of varying heights, without the use of a forklift.

1-888-FLEXICON • SALES@FLEXICON.COM

Configurations (Page 1 of 3)



*Ultra-Heavy-Duty Bulk Bag Filler
with Integral Conveyor*



*Low Profile Bulk Bag Filler with
Explosion Proof Controls*



*Stand-Alone Dust Collector
for Bulk Bag Fillers*



*Wide-Inlet Bulk Bag Filler
Handles Chunks, Semi-Solids*



*Sanitary Bulk Bag Filler
has Metal Detection*



*Ultra-Heavy-Duty
Bulk Bag Filling System*



*Bulk Bag Filling System for Ultra-
Heavy-Duty Applications*



*Mobile Bulk Bag Filler
with Metal Detection,
Tilt-Down Feeder*



*Multi-Purpose Low Profile Filler
for Bulk Bags, Boxes, Drums*

Configurations (Page 2 of 3)



*Dual Bulk Bag Filling System
with Pallet Dispenser*



*Pneumatic
Weigh Filling System*



*Bulk Bag Filler with Automatic
Pallet Dispenser, Roller Conveyor*



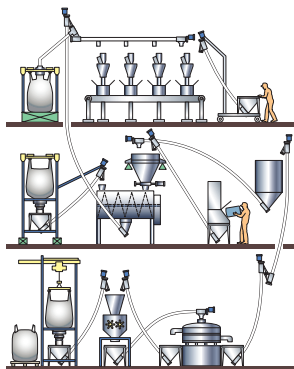
*Low-Cost Bulk Bag Filler
for Low-Capacity Applications*



*Sanitary Bulk Bag Filler
with Pivoting Fill Head*



*Multi-Purpose Filler
for Bulk Bags and Drums*



*Engineered, Integrated
Bulk Handling Systems*



*REAR-POST Bulk Bag Filler
with Roller Conveyor*



*Low-Profile Bulk Bag Filler
for Pallet Jack Bag Removal*

Configurations (Page 3 of 3)



*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*



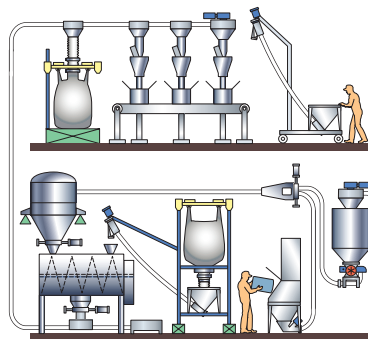
*Bulk Bag Weigh Batch
Discharging System*



*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.



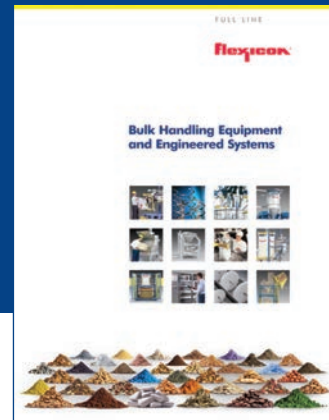
TIP-TITE® Container Dumpers empty bulk material from drums into vessels up to 10 ft (3 m) high. Dust-tight (shown) or open chute models.



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

1-888-FLEXICON • SALES@FLEXICON.COM

CLICK OR CALL 1-888-FLEXICON FOR 36 PAGE FLEXICON FULL LINE BROCHURE



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-0728F

USA

FLEXICON CORPORATION
Tel: +1 610 814 2400
E-mail: sales@flexicon.com
Web: www.flexicon.com

UK

FLEXICON (EUROPE) LTD
Tel: +44 (0)1227 374710
E-mail: sales@flexicon.co.uk
Web: www.flexicon.co.uk

AUSTRALIA

FLEXICON CORPORATION
(AUSTRALIA) PTY LIMITED
Tel: +61 (0)7 3879 4180
E-mail: sales@flexicon.com.au
Web: www.flexicon.com.au

SOUTH AFRICA

FLEXICON AFRICA (PTY) LTD
Tel: +27 (0)41 453 1871
E-mail: sales@flexicon.co.za
Web: www.flexicon.co.za

CHILE

FLEXICON CHILE LIMITADA
Tel: +56 2 2415 1286
E-mail: ventas@flexicon.com
Web: www.flexicon.com

SPAIN

FLEXICON EUROPE SPAIN
Tel: +34 930 020 509
E-mail: ventas@flexicon.es
Web: www.flexicon.es

FRANCE

FLEXICON EUROPE SAS
Tel: +33 (0)7 61 36 56 12
E-mail: ventes@flexicon.fr
Web: www.flexicon.fr

GERMANY

FLEXICON EUROPE GmbH
Tel: +49 173 900 78 76
E-mail: vertrieb@flexiconeurope.de
Web: www.flexicondeutschland.de

SINGAPORE

FLEXICON SINGAPORE PTE LTD
Tel: +65 6778 9225
E-mail: sales@flexicon.com.sg
Web: www.flexicon.com.sg

INDONESIA

FLEXICON SINGAPORE PTE LTD
Tel: +62 81 1103 2400
E-mail: sales@flexicon.co.id
Web: www.flexicon.co.id

WEBSITES BY LANGUAGE:

ENGLISH:

www.flexicon.com
www.flexicon.co.uk
www.flexicon.co.za
www.flexicon.com.au
www.flexicon.com.sg
www.flexicon.co.id

FRENCH:

www.flexicon.fr

GERMAN:

www.flexicondeutschland.de

SPANISH:

www.flexicon.es

