

# FLEXICON CONFIGURATIONS



## Bulk Bag Filler with Pneumatic Material Feed System

Q-0887



# flexicon®

### USA

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

### UK

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

### AUSTRALIA

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

### SOUTH AFRICA

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

### SPAIN

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

### FRANCE

FLEXICON EUROPE SAS  
Tel: +33 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

# Bulk Bag Filler with Pneumatic Material Feed System

## Feeds material to a bulk bag filler using a pneumatic weigh batching system

This automated bulk bag filling system from Flexicon feeds material to a cantilevered, rear post bulk bag filler using a dilute phase pneumatic gain-in-weight batching system, achieving high filling rates.

The filter receiver of the pneumatic conveying system is mounted on load cells, enabling the system controller to stop the conveyor once a pre-selected batch weight, equivalent to that of one full bulk bag, has been accumulated.

An operator-controlled slide gate valve allows the weighed batch to descend at high rates from the filter receiver into the bulk bag, after which the valve is closed and a subsequent batch is weighed.

Weighing of batches independent of bulk bag filling allows simultaneous recharging of the filter receiver and replacement of filled bulk bags with empty bags, cutting overall cycle times up to 50 percent.

The rear-post bulk bag filler employs a cantilevered fill head that provides three-sided access to bag straps and is equipped with: inflatable collar to hold and seal the bag inlet spout, pneumatically retractable bag strap hooks, air displacement vent port, automated vibratory densification/deaeration system, inflator to expand empty bags, and powered fill head height adjustment.

In addition to the filter receiver and weigh batching controls, the pneumatic conveying system is equipped with a vacuum pump and rotary airlock valves configured for integration with existing process equipment.



*The filter receiver's load cells transmit weight gain information to the system controller that stops the conveyor once a pre-selected batch weight, equivalent to that of one full bulk bag, has been accumulated.*

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## USA

FLEXICON CORPORATION  
Tel: +1 610 814 2400  
E-mail: [sales@flexicon.com](mailto:sales@flexicon.com)  
Web: [www.flexicon.com](http://www.flexicon.com)