

# ***Bulk Bag Handling Equipment***



*Air Driven Solutions*

**VAC-U-MAX**

# Bulk Bag Unloaders

The VAC-U-MAX Bulk Bag Unloader is specifically designed to provide an easy, clean and economical way to discharge the entire contents of bulk and semi-bulk bags, especially when the material is less than free flowing.

Bulk Bags can be loaded in to the VAC-U-MAX Bulk Bag Unloader three ways. 1. Using a Hoist with a motorized trolley. 2. Using a Fork Lift and a VAC-U-MAX lifting frame. 3. Using existing hoist and "I" Beam, eliminating the upper frame of the bulk bag unloader.



## Features:

- Heavy Duty Welded Tubular Frame Construction
- Lift Off Guards protecting plant personnel
- Lift out corner panel and Quick Release petals on activator unit for cleaning and maintenance
- Massage Paddles are offered as an option on difficult materials to help with flow promotion
- Wide variety of options to meet specific bag size, bag handling, material characteristics, and process requirements
- Partial Bag Cutoff
- Option for Loss in Weight Feeding into pneumatic convey system or directly into customers process

## Options for discharging from VAC-U-MAX Bulk Bag Unloader:

- VAC-U-MAX Pick Up Adapter to connect to VAC-U-MAX or existing vacuum convey system.
- VAC-U-MAX Screw Discharger to unload non-free flowing materials or loss in weight feeding
- Rotary Air Lock for higher conveying rates or controlled feeding into convey line or process.
- Live bottom discharger for non-free flowing material or consistent flow into process or convey line.







## Features

The VAC-U-MAX Massage Paddle design works in conjunction with a level control to keep the material flowing to the discharge point of the VAC-U-MAX Bulk Bag Unloader



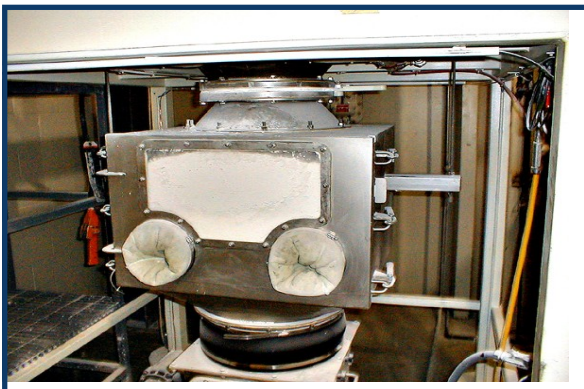
## Easy Access

With the large access door operators can untie the bag with out risk of injury. Door provides ease of cleaning and maintenance of systems. Also shown is a standard capped dust collection port



## Optional Glove Box

Reduce operator exposure to powders. Reduce contamination of sanitary systems.



## Discharge Options

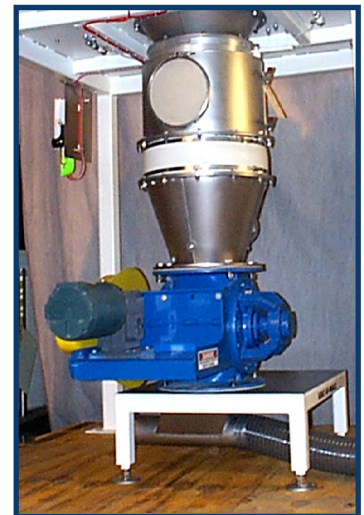
### Screw Discharger

The VAC-U-MAX Screw Discharger is used where weighing is involved or when the material is non-free flowing. These screw dischargers boast a heavy duty construction hollow gear bore, variable frequency drives and augers designed specifically for the application



### Rotary Valve Discharge

Using a rotary valve at the point of discharge of the Bulk Bag Unloader can aid in direct charging of a process vessel, feed a positive pressure convey line or allow a meter feed into a vacuum convey system.

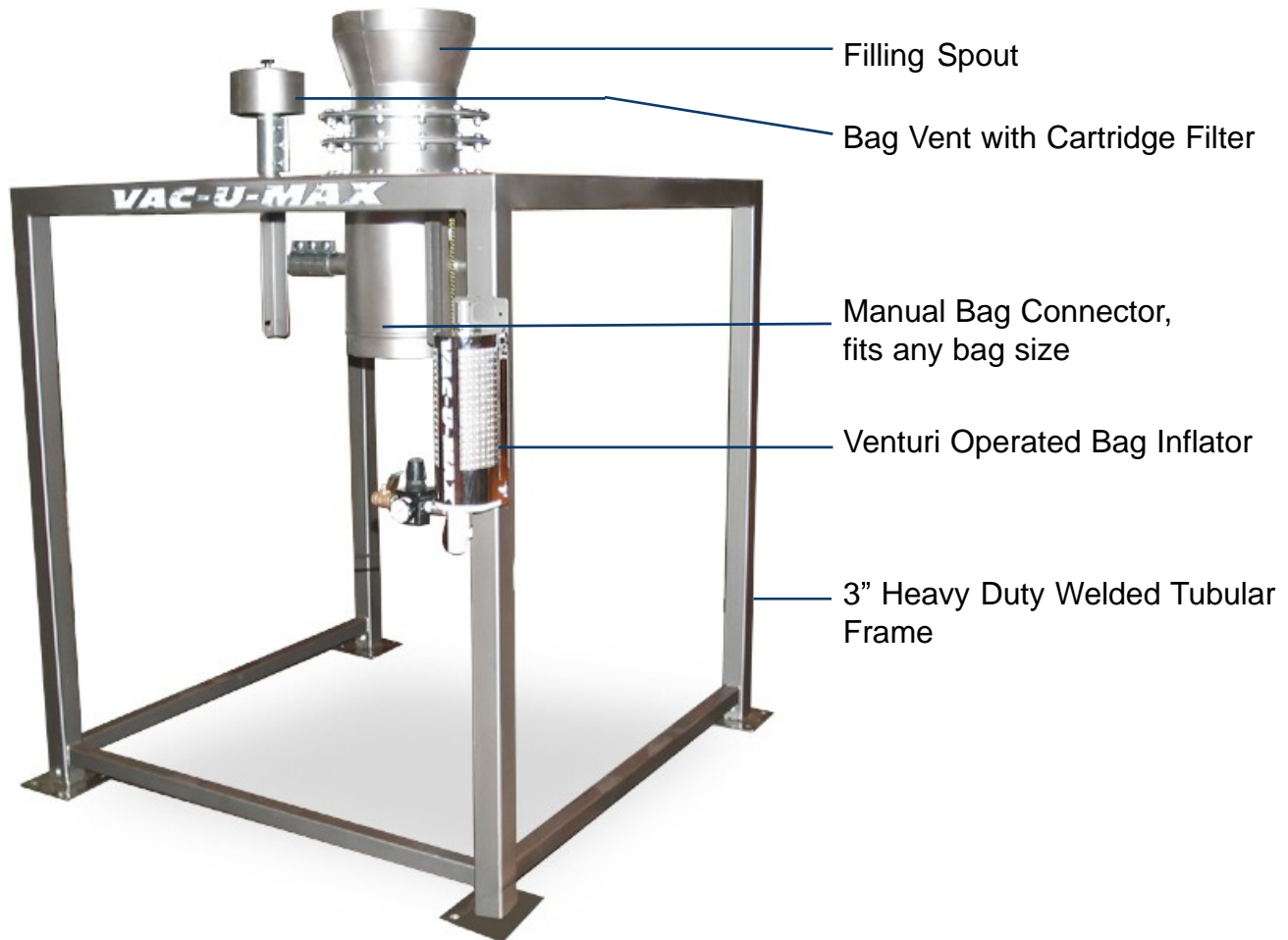


### Standard Pick Up Adapter

The VAC-U-MAX Pick Up Adapter is the most simple attachment for the bottom of the Bulk Bag Unloader. Used exclusively with a vacuum convey system there are no moving parts and is easily removed for maintenance



# Bulk Bag Filling



MDL104130A VAC-U-MAX Basic Bulk Bag Unloader

## ***Bulk Bag Filling***

***The VAC-U-MAX MDL104130A Basic Bulk Bag Filler is made of heavy duty tubular 3" square tubing. This unit has telescoping legs which allow it to handle bulk bags from 36" tall to 72" tall.***

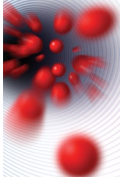
### **Standard Features:**

- Heavy Duty tubular support frame with telescoping legs
- Bag Loading Spout
- Elastic cord bag clamp, designed to secure any bag neck diameter
- Bag Inflation device
- Carbon Steel, Epoxy Coated

### **Options:**

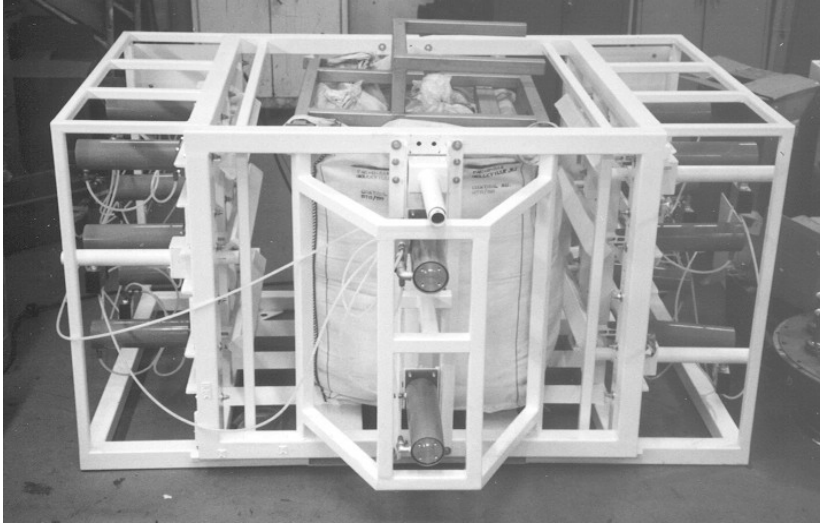
- Inflating Bag Neck
- 304 stainless steel, bead blast finish
- 5000 pound capacity floor scale
- Weigh controller
- Optional remote start/stop controls





# Bulk Bag Pre-Conditioner

## Improves Material Flow



The Bulk Bag Preconditioner by VAC-U-MAX massages bulk bags to improve material flow before being discharged.

Bulk bags which can lay dormant for a period of time have a tendency to compact. When this happens, it is difficult for the material to discharge and flow from the bag. Now, with the use of our patent pending Bulk Bag Pre-Conditioner, hard compacted material is no longer a problem.

### Features

- Designed to hold one bag at a time
- Works by way of multiple heavy-duty air cylinders, which compress all four sides of the bag at timed intervals
- Controlled by PLC based control panel
- Improves overall material flow
- Patent pending design
- Optional bag lifting frame available



Bulk bags are placed into Pre-Conditioner by forklift

### Specifications:

- Material of Construction: Carbon Steel
- Pressure Source: Heavy Duty Air Cylinders
- Compressed Air Requirement: 120 CFM
- Weight of Unit: Approx 2,000 pounds
- Electrical: 120/240/480 volts
- Weight Capacity: 4,000 Pounds



View of Breaker Bars



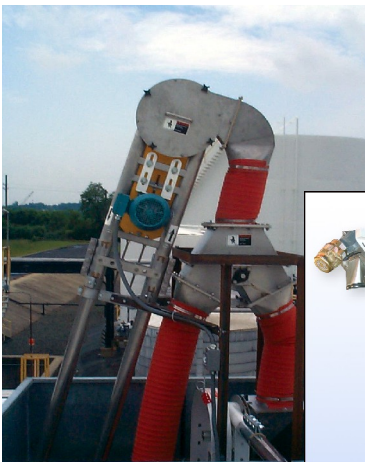
## Pneumatic Conveying Systems

Pneumatic Conveying Systems from VAC-U-MAX. VAC-U-MAX is a premier manufacturer of custom pneumatic systems and support equipment for conveying, batching, and weighing materials. With a VAC-U-MAX system on site, your company's product can move gently and quickly from point to point, with nothing in the way to impede the efficiency of its movement.



## Industrial Vacuum Cleaning Systems & Equipment

VAC-U-MAX is a premier manufacturer of industrial vacuum cleaning systems for production lines and other dust-intensive areas. With a VAC-U-MAX heavy-duty vacuum cleaning system on site, both your capital equipment and your employees will be safer and cleaner. So put our field-proven equipment to work for you, and watch dust and other particulate contamination simply disappear.



## Aerocon Aero-Mechanical Conveyors & Aero-Flex Flexible Screw Conveyors

Aero-Conveying is best defined as the movement of material using the desirable features of both pneumatic and mechanical conveying, and eliminating most of the disadvantages. The result is high volume, controlled transfer of dry materials (such as food, pharmaceutical, and chemical products), efficiently and economically, with little, if any, effect on the material, however friable and degradable.

**VAC-U-MAX**

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