

# SacMaster® Bulk Bag Discharge System

- Modular design for easy system customization and compatibility
- Two paddle agitation to eliminate material bridging and promote full bag emptying
- Full bag support made possible by paddles and integrated bag rests
- Preprogrammed control – minimum set up required
- Easily integrate a volumetric or gravimetric feeder into system

## Application

SacMaster® isn't just another bulk bag frame – it's a bulk bag discharge system designed to include important features and functions identified by bulk bag manufacturers and users throughout the industry.

Bag tensioning, hoist loading, height adjustability and the agitation system make SacMaster® the right choice for titanium dioxide, sugar, calcium carbonate, cocoa powder and a wide range of other bulk materials.



## Operating principle

With a full bag of material, dual-pivot paddles are activated and push against the bottom of the bag breaking material bridged over the outlet as well as agitating the sides of the bag near the spout.

Air cylinders push the paddles further toward the center of the bag until a proximity sensor located on one of the air cylinders determines that the bag is nearly empty. The proximity sensor holds the air cylinders in the extended position to empty the bag corners while continuing to agitate the bottom of the bag. As a result, the bag is completely emptied.

### Bag capacities

- 4,000 lb (1,814 kg) bag maximum
- 43" (1,092 mm) x 43" (1,092 mm) x 72" (1,829 mm) bag size maximum
- Spout diameter up to 24" (610 mm)
- Custom designs for special bags are available

### Control system

- Operator Panel
  - 24 VDC input power
  - UL/ULc listed
  - Agitation control
    - Remote start/stop input
    - Low bulk bag level alarm output (dry contact)
  - Pneubaris control (optional)
    - Integrated safety circuit
  - Filter control (optional)
    - Integrated reverse pulse cleaning
- Power Distribution Panel (optional)
  - Single power drop and local disconnect for SacMaster® components
  - 460 VAC, 3 phase, 60 Hz input power
  - UL/ULc listed
  - 24 VDC power supply for operator panel
  - Hoist branch circuit protection (optional)
  - Filter blower branch circuit protection/motor starter (optional)

### Air requirements

- 20 SCFM with electric hoist
- 65 SCFM with air hoist
- Air requirements subject to change per selected accessories

### Environmental specifications

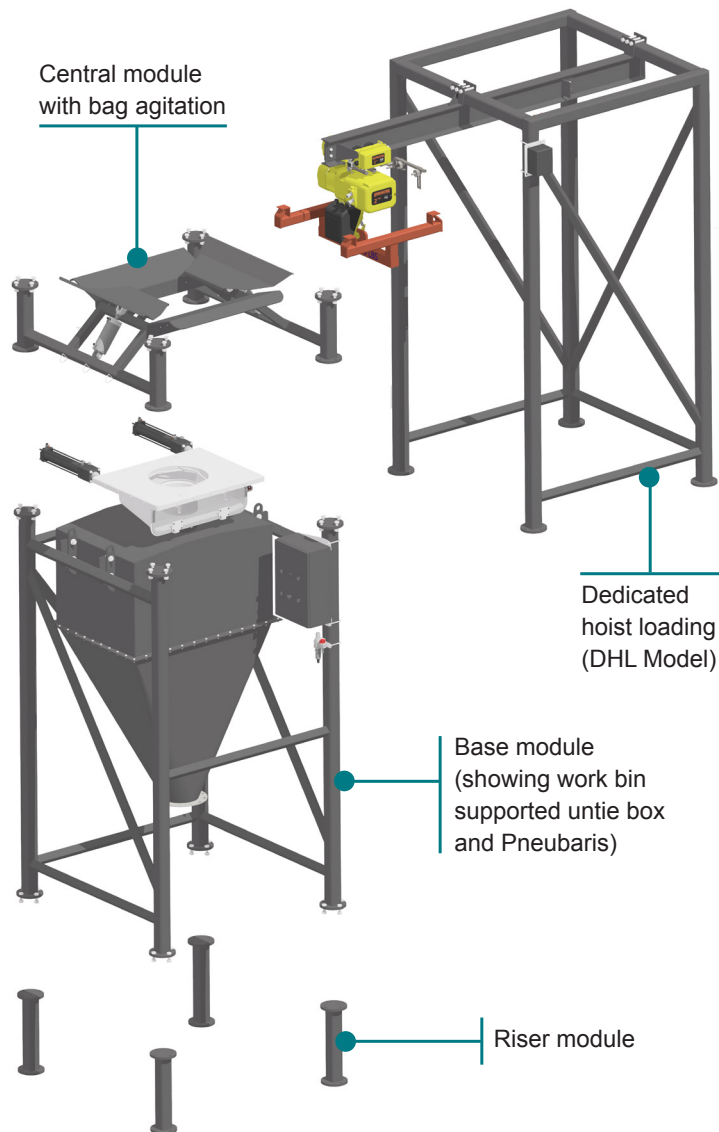
- Framework
  - 4" (102 mm) x 4" (102 mm) square tubing vertical corner posts
  - Horizontal and diagonal members positioned on end, when possible

### Shipping weights

- Total shipping weight to be as high as 5,000 lbs (2,268 kg) and depends on customer configuration.

### Modular concept offers system versatility

SacMaster®'s modular design offers you the flexibility to develop a system that meets the needs of your specific process. The DHL, base, and riser modules are each available in varying heights for discharge, stackup, and other bag handling needs.



### SacMaster® optional components

- MonoPulse integral dust collector
- Untie box dust containment system
- Refill hopper with valve
- Various upper, base, and riser module height variations
- Stainless steel upgrade
- Special paint options

- Weigh module kit
- X-proof configuration
- Pneubaris pneumatic bar iris

### DHL hoist motor specifications

- Power: 460V, 3 phase, 60 Hz, 2 ton capacity, 15' lift, 14 fpm

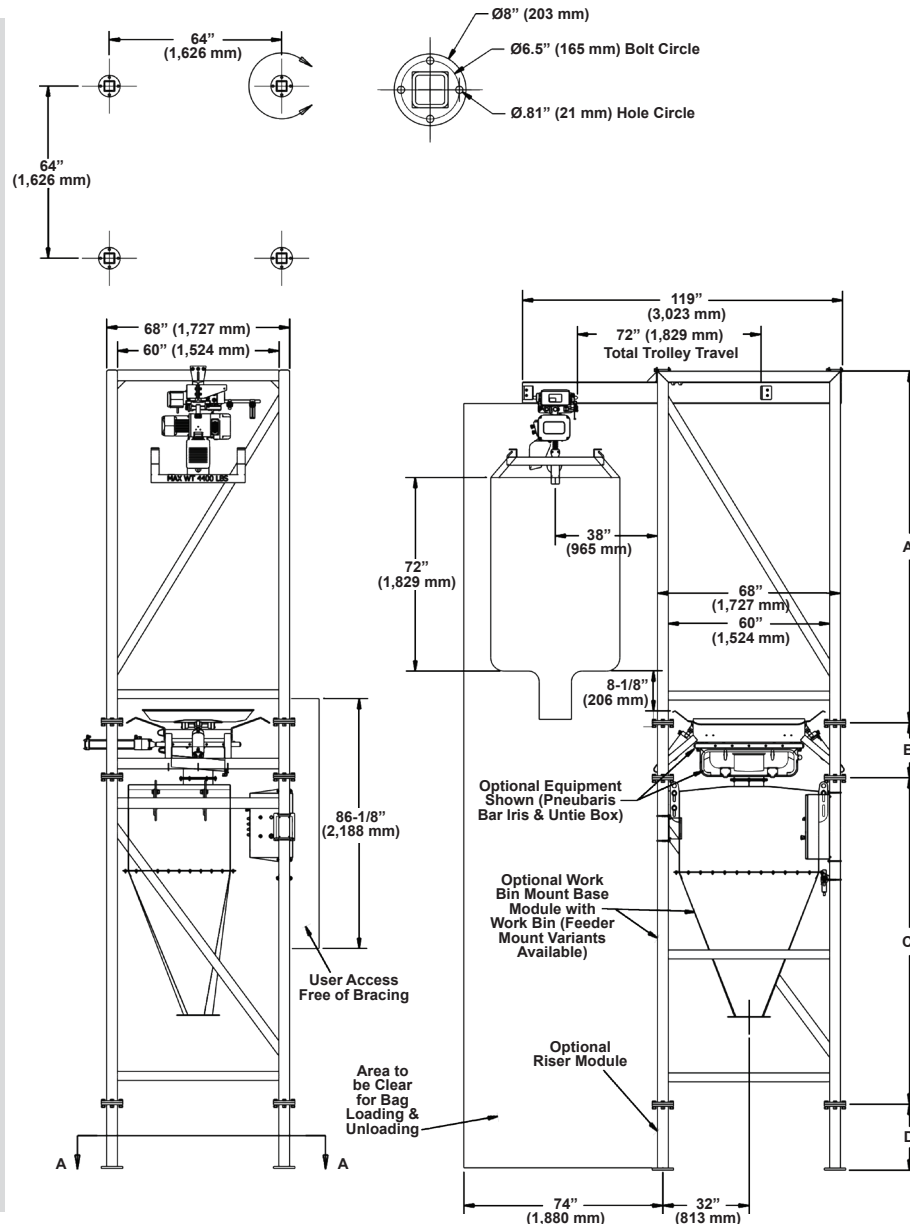
### DHL trolley motor specifications

- Power: 460V, 3 phase, 60 Hz, 40 fpm

## DHL (dedicated hoist loading) module

1. Upper Module 'A' Height  
130-3/4" if 72" bag is used  
118-3/4" if 60" bag is used  
106-3/4" if 48" bag is used
2. Central Module 'B' Height  
26-1/2"
3. Base Module 'C' Height  
121-1/2"  
85-1/2"  
49-1/2"
4. Riser Module 'D' Height  
24-1/2"  
36-1/2"  
54-1/2"
5. Control station is typically 16" x 24" and can be located at various heights and locations on corner posts.

Reference drawings only.  
Dimensions subject to change without notice.  
Please contact sales for detailed drawings.



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