



Super-Max[™] unloads and conveys

The Super-Max vacuum pressure unloader uses vacuum to unload dry bulk material from a rail car, truck or any other storage containers. After unloading, the Super-Max unloader converts to the positive pressure mode to convey the batch of material to a receiving bin or silo. The vacuum source can be either a compressed air venturi, or a positive displacement blower. The Super-Max unloader is designed to be used in applications where a pit unloading system is not practical.

Both stationary and portable

The Super-Max unloader is available as a portable unit for applications with several unloading stations, and/or multiple destinations. The Super-Max unloader can be moved from one unloading station to the next, and to various storage locations. A stationary Super-Max unloader is used where it is advantageous to have one permanent unit for both unloading and conveying.

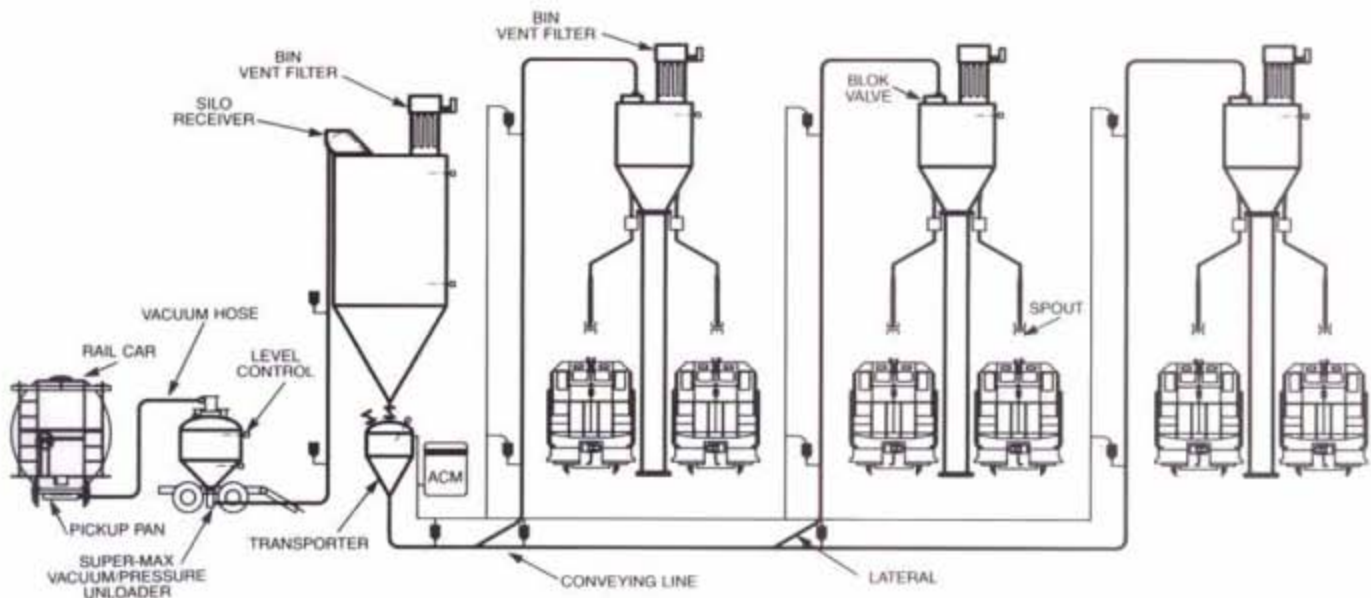
Super-Max handles abrasives

To protect the venturi or blower from excessive wear, the internal dust filters clean the dirty air before it enters the venturi or blower. The heavy duty material inlet valve features an easily replaceable liner.

Features

- Built-in filter cartridges
- Internal manifolding
- Heavy duty construction
- Suitable for abrasives
- Easily replaceable inlet wear liner
- Designed to A.S.M.E.
- Water tight and dust tight

Typical application

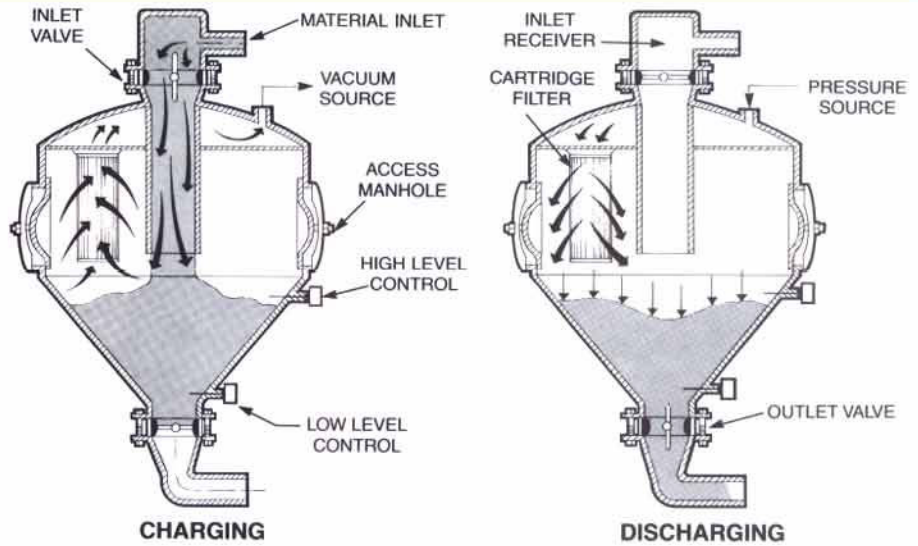


How the Super-Max Unloader works

To fill the Super-Max unloader a vacuum is first induced to suck material through the inlet hose or conveying line and into the inlet receiver. Material is then deposited inside the transport vessel. Material continues to convey in the vacuum mode until a high level is reached. Then the vacuum source is shut off and the material inlet valve closes and the outlet valve opens. The transporter vessel is then pressurized forcing material through the outlet fitting and to an eventual receiving bin or hopper. The Super-Max unloader continues to cycle until a high level control in the receiving bin is satisfied. The system then comes to rest until another signal is received to start conveying material.

Power requirements

Air supply: 80-100 PSIG compressed air.
Electrical supply: 110 volt, 50 cycle; 120 volt, 60 cycle. If a blower is utilized power requirements will vary according to application.



Construction features

Mild steel construction, A.M.S.E. coded vessel, heavy duty frame, H.D. tires.

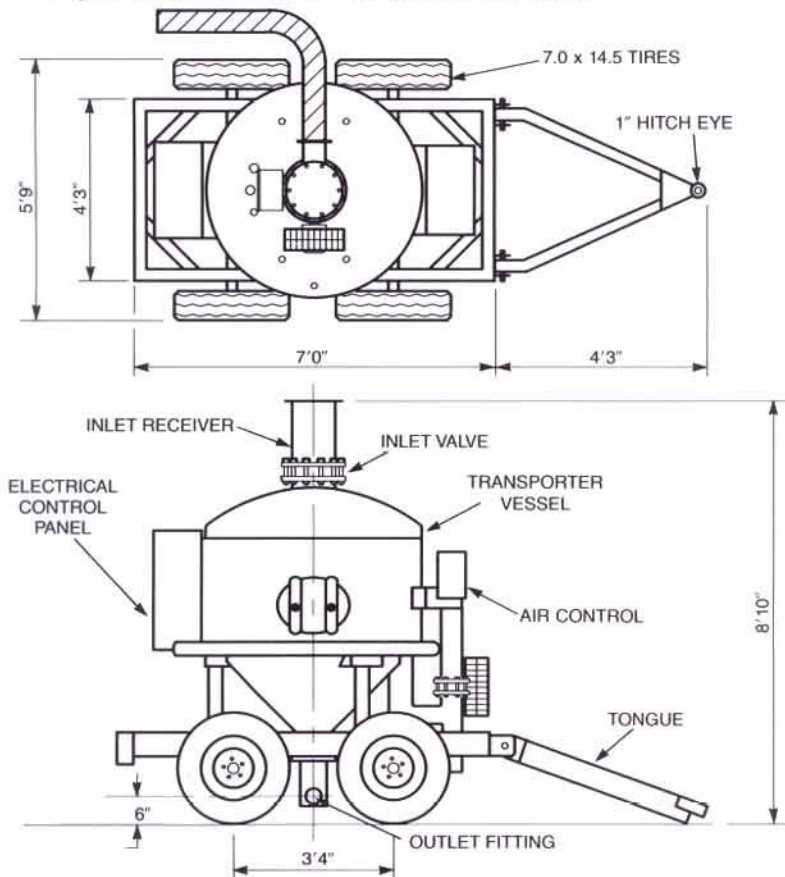
Shipping weight

3700 lbs. (1678 kg) (25 cu. ft. model)

Options

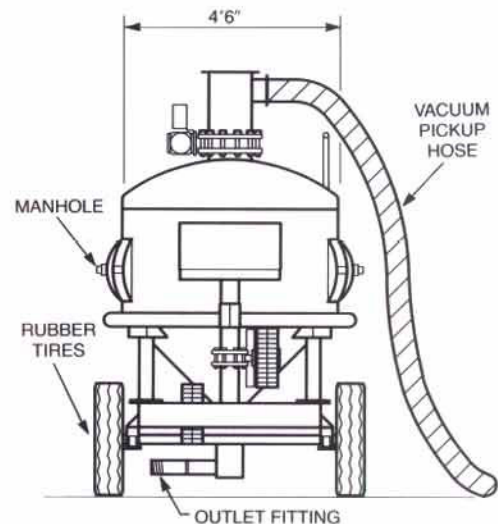
- Portable or stationary
- Vacuum supplied by venturi or by positive displacement blower
- Stainless steel construction
- Interior coatings

Super-Max Dimensions (25 cu. ft. model)



Specifications:

- 1) Vacuum Hose: Size and type to suit application
- 2) Outlet Line: Size and type to suit application
- 3) Air: To suit application, air compressor or positive displacement blower or combination of both
- 4) Suspension: Heavy duty leaf springs
- 5) Tires: Air inflated rubber



OTHER SIZES ARE AVAILABLE

Specifications subject to change without notice.

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Conveying Systems

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