



Integrating plastic technologies  
since 1965

# RAIL CAR UNLOADING



For high-rate railcar unloading, exceptionally long conveying distances and other conveying requirements which exceed the design limits of larger vacuum systems, Hamilton custom engineers vacuum/pressure and pressure type conveying systems.

A bulk unloading and storage system can increase your productivity and plant efficiency while decreasing your labor, material, and energy cost. Hamilton has the capability to tailor a railcar unloading and storage system to meet your specific application.

Free flowing pellets or powders can be conveyed from single or multiple source points to any number of end-use locations, using central vacuum pressure pumps up to 100 hp, or larger.

Manual or automatic conveying line switching stations can be included.

Either single or two pump, modular systems and large filter receivers may be supplied. These large filter receivers are filled by the vacuum side of the pump.

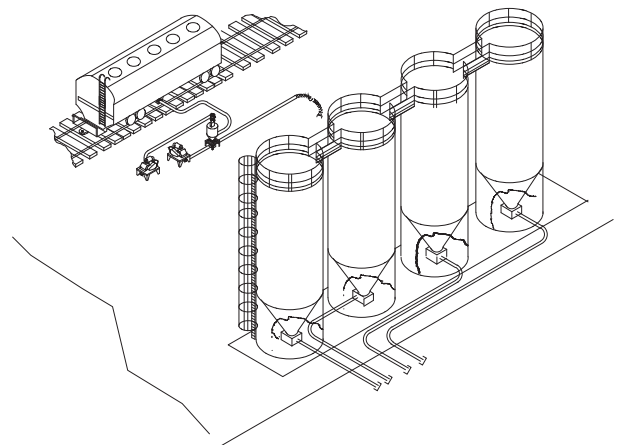
When a rotary air lock at the bottom of the receiver feeds a controlled amount of material into the moving air system delivered by the pressure side of the blower.

Customized controls are provided with graphic panels that indicate component operation and include a variety of level signals and operating lights to the system requirements.

Hamilton will provide a turn-key system, including storage silos, in-plant blending equipment, processing machine filling and all auxiliary equipment as well as supervision of installation.

## STANDARD FEATURES:

- Conveying rates in excess of 50,000 lbs./hr.
- 3", 4", 5", 6" and 8" line sizes available
- Separate or combined vacuum and pressure blowers
- Self-cleaning filter receiver
- Rotary airlock valve
- Vacuum breaker valve for pump
- PLC controls includes destination selector switch, and automatic shutdown on high-level signal
- In-line filter protects vacuum blower



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