

# Rail & Truck Unloading for Plastics Processors

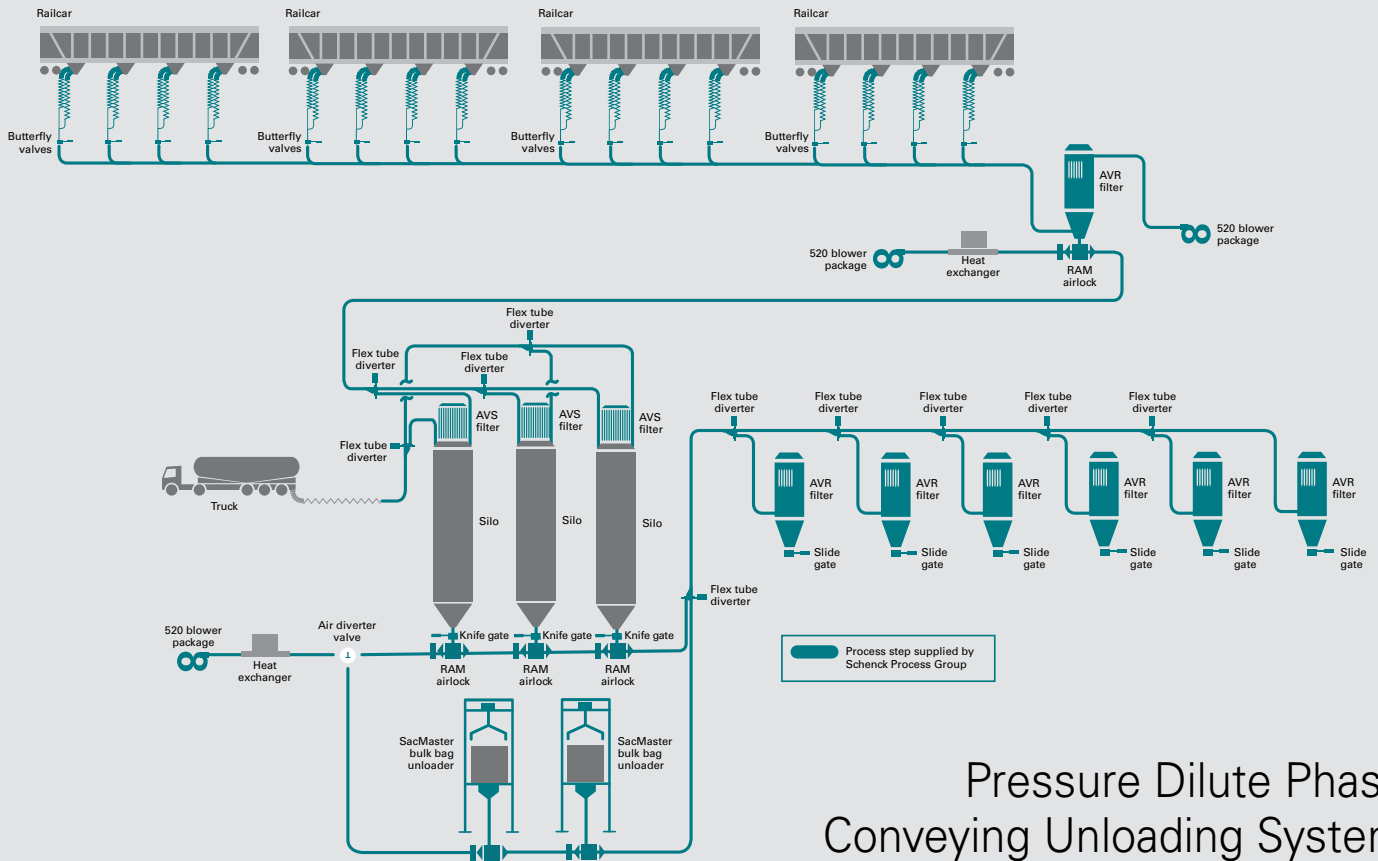
- » Pneumatic Conveying
- » Dust Collection
- » Bulk Bag Discharging



## Bulk Material Handling for Plastics Industries

Schenck Process has a long history of servicing and supporting companies in the plastics industries. This includes the large polyolefin manufacturers, plastic compounders, and plastic users that utilize blow molding, injection molding, film manufacturing, sheet manufacturing and various extrusion technologies. Each of those processes requires the unloading and transport of raw materials. Schenck Process with its dilute phase conveying and dust collection technologies are a proven solution for unloading bulk solid materials from railcars or trucks and transporting those products into the plant efficiently while reducing harmful dust.

Additionally, our pneumatic conveying systems optimize rail unloading rates and we understand what is required to reduce angel hair generation. Our state of the art test labs enable us to perform extensive full scale testing insuring the best pneumatic practices for your specific application.



## Pressure Dilute Phase Conveying Unloading System



### Dilute Phase Pneumatic Conveying

Easy transport of a wide range of bulk materials

- High velocity airstream
- Convey over long distances
- Perfect for handling resins, compounds, pelletized products and specialty chemicals

### AVR filters (air vent round)

Circled bodied pulse jet filter

- Bottom removal filters capable of handling heavy dust loads
- Designed for vacuum, pressure and combination vacuum/pressure bulk pneumatic receiving and dust collection systems
- Handles low air volumes and higher pressure applications

### SacMaster® Bulk Bag Discharge System

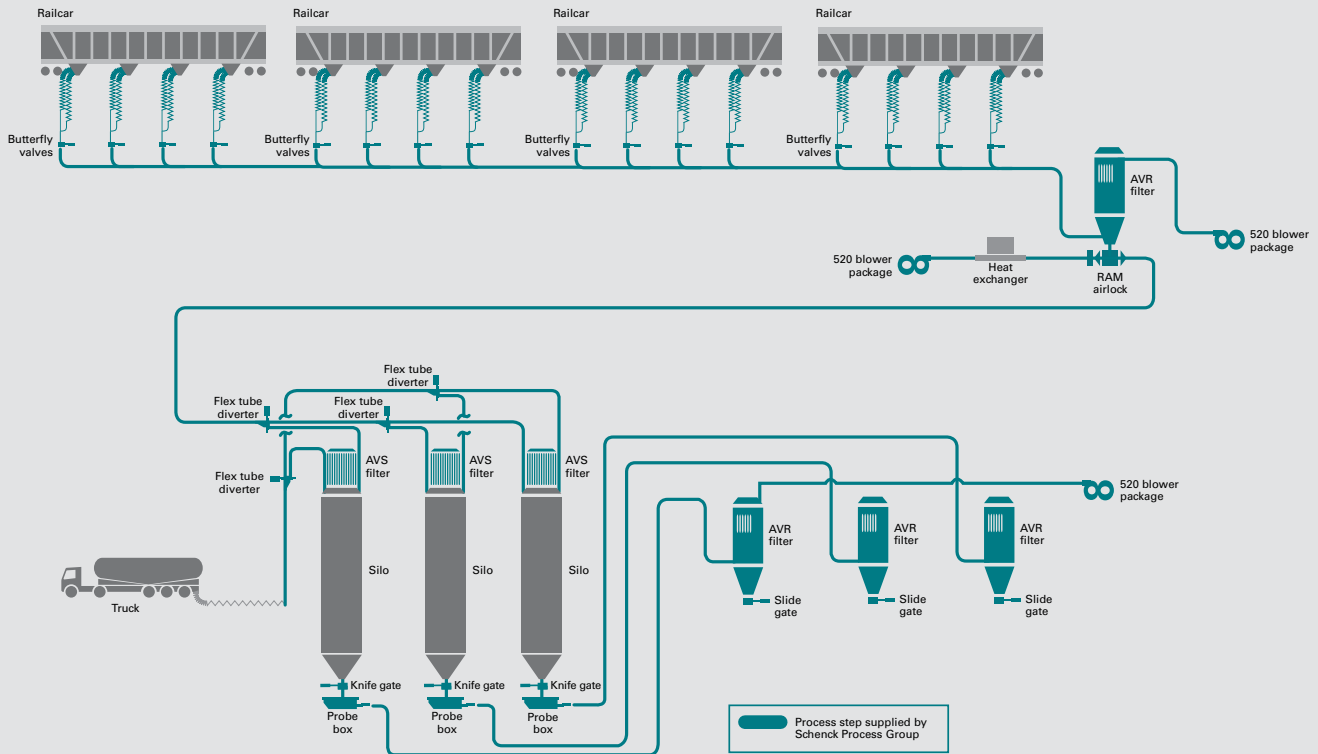
Bulk bag frame for full bag emptying

- Agitation to eliminate material bridging and promote full bag emptying
- Two agitation and two pivoting paddles for full bag support
- Modular design for easy system customization and compatibility

## Pneumatic Conveying Technologies

Additional pneumatic conveying products or systems to support your bulk material handling needs.

- EDIP (Enhanced Dilute Phase) – A controller utilized in dilute phase conveying for reducing material degradation and equipment wear while providing an energy savings algorithm that pays for itself through reduced utility consumption.
- E-finity Dense Phase Conveying – E-finity is a low horsepower continuous dense phase pneumatic conveying system that provides low material degradation and operating costs with a space saving design.
- Flo-line Convey Line Treatment – Flo-line is a patented, technologically advanced internal pipe treatment process that has been proven in both laboratory testing and field use to significantly reduce the formation of fines and streamers.



## Vacuum Dilute Phase Conveying Unloading System



### 520 Blower Package

- Pressure style blower for pneumatic conveying
- Silencers for maximum noise reduction
  - Line sizes from 2" to 8"
  - Motor horsepower up to 125 HP



### Round Airlock Multi-Duty (RAM)

- Universal airlock for rugged service
- Ideal for pressure or vacuum dilute phase conveying systems
  - Offers a high degree of accuracy
  - TS4 packing gland seal provides superior performance



### Air Vent Square (AVS) Filter

- Typically used as a nuisance dust collector for heavy dustloads
- Side door access to bottom load filter media
  - Suited for low headroom applications
  - Compressed air dislodges captured dust from filter media



For the efficient unloading of railcars or trucks in plastics processing applications, Schenck Process pneumatic conveying systems are the right choice for handling incoming bulk solid materials and transferring them into your plant process.

# Easy unloading and handling of your bulk solid materials

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