



Powder handling expert

Pneumatic Transfer



Wastewater Treatment



Water Treatment



Flue Gas Treatment

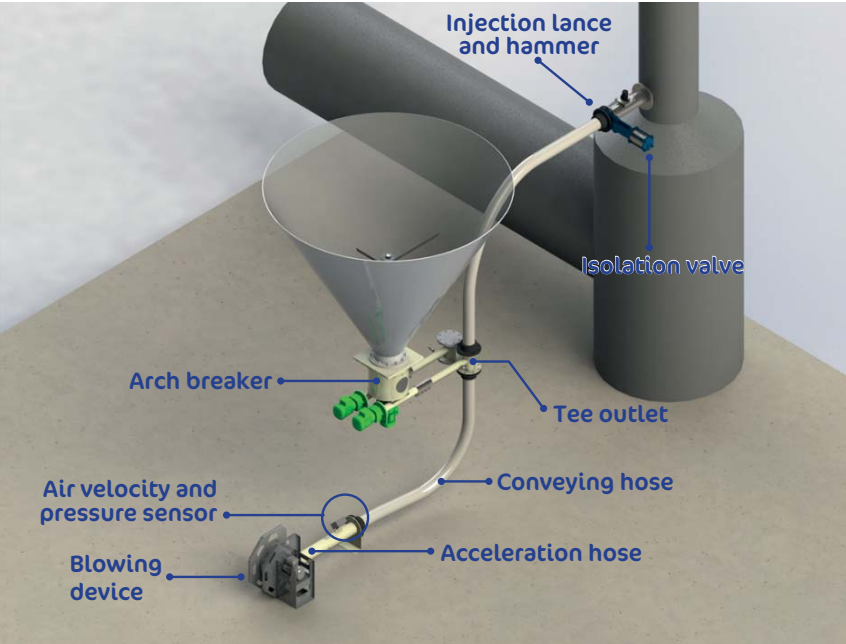
Pneumatic Transfer for Dry Powder Reagent:

Sodimate pneumatic transfer systems are the best alternative to screw conveyors when the installation requires complex paths and a high injection point that would otherwise be difficult to reach.

Pneumatic transfer can convey powders over long distances, with a flow rate range from 0.5 lb/h to 2,200 lb/h.

The Sodimate Mechanical Arch Breaker discharges and doses the product stored in the silo or big-bag to a Tee to which the blower is connected. The blower then conveys the powder to the injection point through a pipe.

The transfer is done in a dilute phase, allowing us to operate with a low pressure and cost-effective blowing device, e.g. a fan or a regenerative blower.



Advantages:

- Wide selection of hoses for any applications
- Operate with low pressure
- Low maintenance
- Possible to transfer over long distances
- Low investment
- Easy installation and start-up





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Product conveyed:

- Powered Activated Carbon
- Hydrated Lime with high specific surface area
- Soda ash
- Clay
- Dry polymer
- Etc.

Features:

The isometry and the negative pressure at the injection point are considered when sizing the systems to comply with the standard air flow rates of each powder.

A Pitot probe located on the acceleration hose measures the air velocity and pressure to regulate the blower speed and the airflow accordingly.

Options :

- Non-stick coated steel parts
- Pneumatic hammer on the injection lance
- Up to 4 independent lines under the storage unit
- Regenerative blower

Under silo:



Under Big Bag Emptying Stand:



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