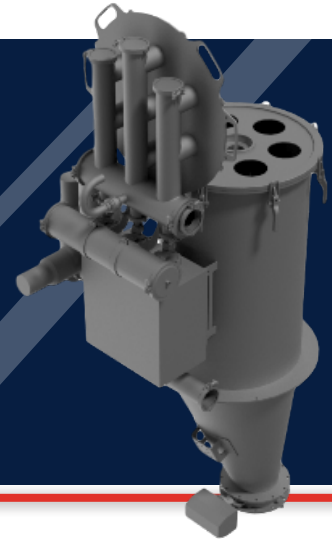


The art of gentle conveying of fragile powders by vacuum. The RELCO® Dense Phase Vacuum Conveying System is ideally suited for this along with high rates transfer. The art is in the ability to control the powder velocity and pressure. One to stop powder from stalling the other to regulate the speed of powder moving. Every system is custom engineered based on the conveying parameters to provide the ideal solution.



## FEATURES

- Special convey line valves for extended seat life
- Automatic control of conveying pressure
- Solenoid valves and regulators housed in SS cabinet
- Easy to upgrade to reverse pulse sock cleaning
- Easy opening for cleaning
- Instantaneous rates up to 60,000kg/hr (160,700lbs/hr)
- Short to medium conveying distance

## BENEFITS

- Gentle conveying of fragile agglomerated powders
- Suited to heat sensitive and abrasive powders
- Particularly suited to multiple sources
- Reduced convey line size vs lean phase
- Dustless

## COMPONENTS

- Vacuum Pump
- Inline Filter
- Vacuum Receiver
- Pick-up Hopper / Pick-up from Silo

## SUITABILITY

- Multiple sources to single destination: Ideally suited for conveying from Silos; suited to low height sources
- Low product break down: Great for handling fragile powders
- Instantaneous rates: Up to 60,000kg/hr (160,700 lbs/hr)
- Typical conveying distances
  - > 60m horizontal (197ft)
  - > 18m vertical (59ft)
- Continuous conveying: Usually discouraged due to the rotary valve and the possibility of product contamination

## CONVEYING PARAMETERS

- Powder
- Bulk Density
- Convey Rate
- Convey Route

## RANGE OF POWDERS TO BE HANDLED

- Whey Protein Concentrate
- Pick-Up Hopper
- Whey Protein Isolate
- Whole Milk
- Skim Milk
- Infant Formula