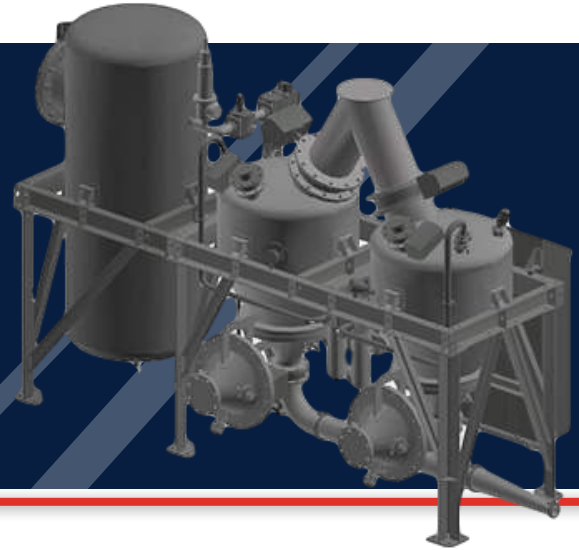


The art of gentle conveying of fragile powders by pressure. The RELCO[®] Dense Phase Pressure Conveying System is ideally suited for this along with high rates transfer. The art is in the ability to control the powder velocity and pressure. One to stop powder from stalling the other to regulate the speed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



FEATURES

- Electronic control of pressure and flow
- Special valve seats resistant to abrasive powders
- Solenoid valves, regulators and valves housed in SS cabinet
- Instantaneous rates up to 60,000kg/hr (160,700lbs/hr)
- Long conveying distance

BENEFITS

- Gentle conveying of fragile agglomerated powders
- Minimum segregation of powders
- Conveying long distances
- Particularly suited to multiple destinations
- Reduced convey line size vs lean phase
- Good solution to reduce build-up of convey line for carbohydrate powders
- Reduced bin vent size

COMPONENTS

- Dense Phase Pressure Vessel(s)
- Control Cabinet
- Air Receiver
- Bin Vent
- Receiving Hopper / Silo
- Line Injectors

SUITABILITY

- Single source to multiple destinations: Ideally suited for conveying to Silos
- Low product break down: Great for handling fragile powders
- Instantaneous Rates: Up to 60,000kg/hr (160,700lbs/hr)
- Typical Conveying Distances:
 - > 200m horizontal (656ft)
 - > 30m vertical (98ft)
- Powder:
 - > Ideally suited to carbohydrate powder such as Lactose and Permeate
 - > Most suitable to reduce convey line build-up

CONVEYING PARAMETERS

- Powder
- Bulk Density
- Convey Rate
- Convey Route

RANGE OF POWDERS TO BE HANDLED

- Lactose
- Permeate
- Whey Protein Concentrate
- Whey Protein Isolate
- Whole Milk
- Skim Milk
- Infant Formula