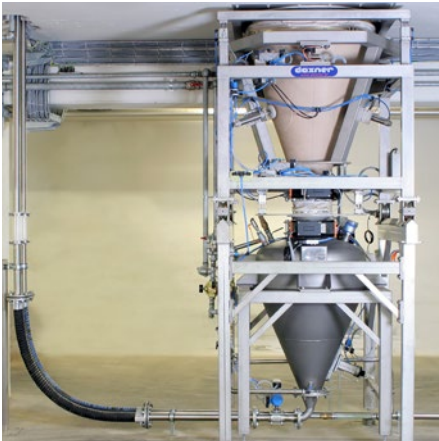


DENSE PHASE CONVEYING SYSTEMS

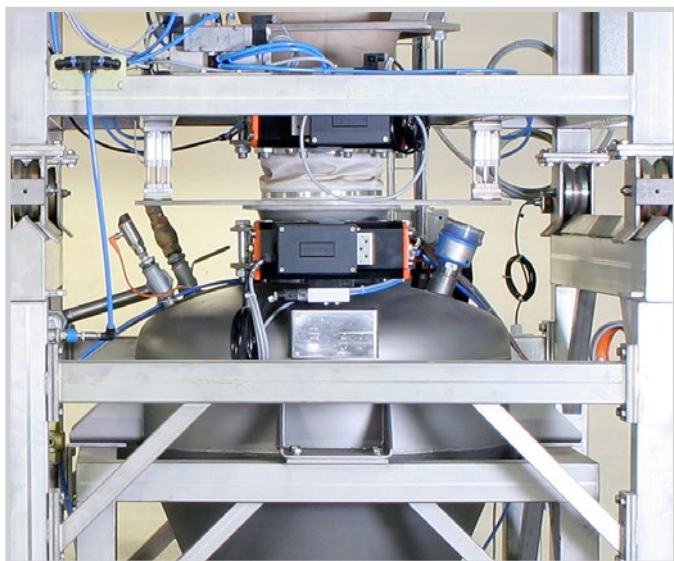
FOR A GENTLE AND RELIABLE MATERIAL TRANSFER



→ High capacity transfer for long distances

→ Hygienic & gentle conveying of difficult materials

No demixing
during conveying



Special advantages of the dense phase conveying systems:

- Custom designed system solutions by our experts
- Custom designed sending vessel for a maximum on system performance and reliability
- Gentle transportation
- Energy savings
smaller pipe diameter due to larger pipe loading ratio - less air quantity needed!
- Less operational costs
- Maintenance savings due to less filter surface required, less equipment (no rotary valves etc.)
- Reliable transportation over long vertical and horizontal distances
- More hygienic
Clean, residue-free transportation
- Minimum space required

Functional principle:

Dense phase conveying systems allow a gentle and reliable material transportation combined with large throughput performance. They are suitable for materials with poor flow characteristics and/or highly abrasive materials.

Material is fed into the sending vessel, which is then sealed and pressurized. Depending on the system requirements, air pressure can be introduced at different locations. When the pressure reaches the specified level, the exit valve opens, transportation begins and the material is conveyed into the receiver bin.

The system can be designed for a continuous and discontinuous material flow optionally utilizing a by-pass line with booster nozzles.

Due to the larger product loading ratio the pipe diameter is reduced & filter areas are saved. Low transfer velocities minimize particle degradation.

Option:

- Optional easy cleaning features of system components
- Single vessel for batch transfer
- Double vessel for continuous transfer
- Optional dust explosion rated design (ATEX)
- Optional design for the foods-, animal feed-, chemical- & plastics-industries

