

FloAero Inc

Floveyor Aeromechanical Conveyors

Floveyor Ancillary Equipment

The Floveyor aeromechanical conveyor is a very simplistic operating machine. And, this makes it such a reliable workhorse for many types of processes and dry solid bulk materials. However, it is important that when a Floveyor is purchased, it is necessary that the proper ancillary equipment for its feed and discharge ends are supplied, too.

Feed End

The flow of the dry solid bulk material shall be regulated into the Floveyor's feed housing. This necessitates the use of one of the following:

1. Screwfeeder – regulated high volume output directly into the feed housing.
2. Pour – manual / automatic pouring into the feed chute.
3. Volumetric Feeder – highly accurate output directed into the feed chute.

Discharge End

With the flow of the dry solid bulk material reaching speeds of more than 750 ft/min within the Floveyor's tube, the discharge chute shall be connected to a suitably sized destination hopper / bin. The criteria to determine a suitable hopper / bin volume include:

1. Material volume in an aerated state.
2. Additional empty volume to allow for the incurred dust to be contained within.
3. Large enough hopper / bin diameter to allow for the material's dust to settle.

Both Ends

The rope assembly's speed generates a draft pocket behind each disc. With the draft pocket being a non-measurable amount of vacuum, the Floveyor functions in an atmospheric condition (no forced pressure/vacuum air). The dry solid bulk material displaces air at the Floveyor's outlet while that air gets displaced with new material entering at the Floveyor's inlet. This gentle exchange of material and air at both ends is simply balanced by a natural effect with atmospheric conditions present. The source and destination equipment to the Floveyor shall be evaluated.

FloAero Inc has the capability to supply an entire system of equipment associated with the Floveyor aeromechanical conveyor. The principal of FloAero Inc, Larry Blitz, has had over 25 years of experience in supplying many types of bulk solid handling equipment. Such ancillary equipment that FloAero supplies with a Floveyor machine includes:

- Volumetric Feeder.
- Bulk Bag Safety Frame.
- Bulk Bag Discharger.
- Bulk Bag Filler.
- Hopper.
- Valve.
- Level Control.
- Control Package.
- Load Cell.
- Destination Bin.
- Draft Hood.
- Dust Collector.

The Floveyor technology is unsurpassed