



Process Systems: Pneumatic Conveying, Powder Storage, Powder Discharge & Weighing, Slurry Make Up & Handling

SACK TIP STATIONS



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Aptech's range of sack tipping stations provide a dust free method of manually emptying bags and sacks containing powders and granules. The design allows the discharger to be adapted and tailored to suit specific applications.

Operation

The operator places the sack on the table and opens the door which automatically activates the dust filter fan. This provides a through draft of air ensuring that any dust from the sack is drawn into the sack tip unit and away from the operators face. The operator slits the sack with a knife and empties the contents into the hopper. A safety grid prevents the sack falling into the hopper. When finished the door is closed which stops the dust filter fan and activates the reverse jet cleaning cycle. When material has been discharged a low level probe activates an impact vibrator ensuring complete discharge.

Features available

Various discharge aids – vibrators; stirrers; aeration; dosing & feeding devices.

Dust aspiration to free standing central dust collection system.

Weighing systems complete with weigh controllers and multiple recipe formulation.

Eexd/n rated electrical equipment and explosion panels available for dust hazardous material and environments.



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SACK TIP STATION AND SACK COMPACTOR FOR TITANIUM DIOXIDE

A sack tip station specifically designed to handle titanium dioxide. The hopper of the sack tip has a fluidised cone and vibrator which ensures a reliable discharge. The station shown above is transferring TiO₂ directly into a pneumatic conveying line via a blowing seal. To the right hand side of the sack tip station is sack compactor.