PTS-Powder Transfer System
The unique technology for charging powders into process equipment

Charging a Pressurized Reactor with Aluminum Chloride (AlCl₃)

PTS-System mounted directly on reactor.

Drums of Aluminum Chloride are emptied with a suction lance.

PTS Technology charges powders directly and safe into pressurized reactors.

Nitrogen pressure used to discharge the PTS is higher than the pressure in the reactor.

The reactor is charged under inert conditions, thus eliminating explosion risks.

Dense phase conveying preventing reaction with air humidity, leading to formation of hydrochloric acid vapors.

Drums are emptied without creating dust that could react with ambient air.

Control of reaction by adjusting transfer rate of PTS; (i.e. by increasing or decreasing cycle frequency).

PTS-System - Excellence in Powder Handling

Charging a Reactor containing Flammable Solvents with Penicillin Powder

Combined emptying station for Big-Bags and bags installed in a room directly adjacent to the reactor.

Powder suction directly out of emptying station and charged into the reactor under inert conditions.

This system enables charging the reactor with different types of powder.

PTS-System is installed directly on the reactor.

Powders are charged directly into the reactor containing solvents, simplifying the process and reducing production time since preparation of slurry is no longer necessary.

Maintenance and cleaning requirements are drastically reduced.

Reduced dust creation using a closed system to empty Big Bags and bags.

Elimination of all explosion risks charging the reactor under inert conditions.

PTS System enables charging various types of powder during different phases of reaction.

INTERESTED?
Want to know more?
To see the full range of products and equipment go on-line at www.dec-sa.com, or request a brochure or DVD animation from the Dec UK office. Please contact the office on 01527 784 345 or e-mail info@dec-uk.co.uk.