

Transferring

## PTS Powder Transfer System

- Unique filtration concept
- Safe handling of any wet or dry powder
- Ideal for toxic, hygroscopic or explosive powders < 1 mJ
- Oxygen exclusion
- Hygienic and sterile units
- Multi-purpose operation
- Contained
- Optimizes processes
- Thousands of working units worldwide

## PTS Powder Transfer System\*

The PTS – Powder Transfer System\* is an exceptionally effective and reliable method of transferring and dispensing both dry and wet powders and granules. Its unique filtration concept with a flat membrane makes it the only vacuum dense-phase system available on the market today.

The PTS challenges convention, using both vacuum and pressure to move powders as if they were liquid, dispensing with the need for gravity charging, making multi floor processes a requirement of the past. The system is a significant enhancement to any process, providing total containment where necessary, but always speeding up production whilst improving safety and hygiene. Batch time can be substantially reduced and existing process steps can be linked to each other.

There are currently over 3000 Powder Transfer Systems operational worldwide.

### Design

- AISI type 316L stainless steel, electro-polished
- 3 or 6 bars design pressure
- DIN or ANSI flanges

\*patented

### Features

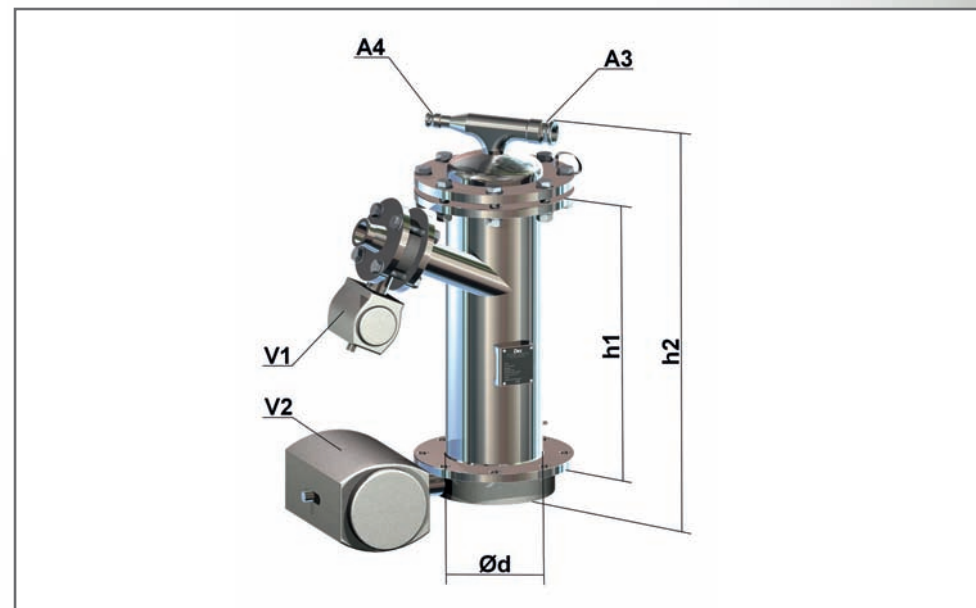
- Empties or fills all process equipment (including reactors, dryers and centrifuges)
- Transfers all powders (sticky, fine, non-free flowing, hygroscopic, humid, etc)
- Safe transport of toxic  $< 1\mu\text{g}/\text{m}^3$  or dust explosive powders  $< 1\text{mJ}$
- Charges directly into closed vessels under vacuum or pressure
- Prevents dust creation
- Removes oxygen from powder before entering into the process
- Charges in the presence of solvents
- No product retention
- No particle damages
- Total containment
- Easy to clean – CIP system
- GMP compliant design, ATEX compliant

### Options

- Various materials (HC22, internal coating, plastic, etc.)
- CIP
- Hygienic, sterile unit
- Explosion proof design 10 bars
- Portable unit



### Dimensions



### Technical Data

PTS	50	80	100	150	200	250	300	400
Conveying capacity (l / h) dependent on the powder characteristic								
	10-200	15-500	20-800	50-2000	80-3500	120-6000	160-9000	400-16000
d	50	80	100	150	200	250	300	400
h1	400	450	500	600	600	600	600	850
h2	520	600	680	800	810	830	860	1150