

Sampling • Transferring MPTS



- Safe sampling of toxic or explosive powders
- No mechanical parts
- Representative samples out of equipment with poor accessibility
- Transfer with inert gas to avoid oxidation
- Easy to clean - CIP system
- Fills sampling bottles or directly into process
- Full emptying of sampling line after each cycle
- cGMP and ATEX compliant design



High Containment



Explosion Proof



Operator Safety



Easy Cleaning

MPTS can be used for either charging small quantities into process equipment or taking samples from a process. It facilitates complex sampling procedures directly from equipment, such as dryers, mixers, packaging units, etc.

The sampling procedure is simplified, whether from equipment with poor access, or where, for safety reasons, personnel are not admitted. The sample is taken in a few seconds, thus giving an instant image of the condition of the powder during the process (degree of mixture, humidity, homogeneity). It is extracted and transferred to its final destination whilst maintaining full containment, remaining homogeneous and representative as it is taken in dense flow, without using any mechanical device which

could result in powder attrition. The system is particularly well suited for operation with toxic, radioactive or explosive powders as it is completely air tight and has the option to operate with protective gas. It can be partly or fully integrated into a glove box or any other cabinet.

The system takes a predetermined quantity of powder, even at gram level, in a fully automated manner. From single shot to continuous sampling, the system is easily integrated into any process.

Design

- AISI type 316L stainless steel, electro-polished
- 50 or 100 ml sampling volume
- 250 or 1000 ml bottles

Features

- Homogeneous representative samples
- Fast sampling reflecting true degrees of product humidity and homogeneity
- Online sampling
- Prevents dust creation
- No rotating or mechanical parts
- No particle attrition or segregation
- No particle damage
- Total containment
- Easy to clean
- cGMP & ATEX compliant design

Options

- Various sampling volumes
- Various materials
- CIP
- Hygienic, sterile unit
- Design according to required containment

