



## Microdosing

# MicroPTS

- Dosing range from 1 mg to 100 g
- Adjustable dose during process
- Accurate and repetitive
- Unique filtration concept
- Easy to clean – CIP system
- Simple integration in existing filling systems
- Independent of bulk density variation

## MicroPTS\*

Dec now offers a much-anticipated solution in the volumetric dosing of small quantities of powder. The product is filled in a calibrated chamber of variable volume by action of vacuum and emptied either mechanically by a piston or by applying pressure.

The **MicroPTS\*** is based on the PTS technology and allows precise dosing of very small amounts (1 mg) of powder in less than a second, with an accuracy reaching up to 1%. High accuracy is achieved even with variation in bulk density, as the powder will be pre-compacted in the chamber by the vacuum effect.

The system is very compact and can be dismantled without tools. Another main advantage is its easy integration into dosing stations with multiple filling systems or products.

### Design

Metal parts:

Stainless steel ISO 1.4435 or equivalent (AISI 316L)

Anodized Aluminum

Polymer components:

2002/72/EC and/or FDA compliant

*\*patent pending*

### Features

- No rotating or moving parts
- Very compact
- Dynamically adjustable volumes
- Hygienic design
- Fast, precise dosing process
- Volumetric and volumetric-gravimetric dosing
- Gravimetric or optical monitoring of each quantity of powder
- Simultaneous, multiple dosing
- Continuous dosing available

