

# Powder Sampler and Six Head Divertor Valve



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The GEA Avapac Powder Sampler system is designed to provide a hygienic and convenient method of taking powder quality samples. While the system ensures minimal powder breakdown which limits damage to delicate products, it also offers safe and reliable operation and is designed to comply with worldwide safety and hygiene standards.

## ■ Features

- Reduced handling provides increased sample integrity.
- Safe and simple to operate and maintain.
- Easily detachable without tools, enabling thorough sanitation.
- Product contact parts fully submersible for cleaning.
- Metering screw for sample collection, with fixed speed auger, sample size adjustable by time.
- Adjustable start / stop set points for collecting varying sample sizes.
- The frequency of sampling can be varied over a sampling period to collect sample every bag, every three bags, or whatever is required.
- Six outlet pipes with adapter for collection bag.
- Automatic change to empty collection bag when set point (e.g. full pallet or batch) for collection is obtained. Manual intervention possible.
- Manual change of collection bags
- Controlled from existing main control system or an optional integrated PLC and HMI can be provided.
- Can be linked to filler or site control systems for quick product changeover.
- Can be integrated into existing production lines

## ■ Materials of Construction

Ferrous: Stainless Steel AISI 304

Non-Ferrous: Acetal, PETP

## ■ Bag Type

Designed to accept 1ltr polyethylene sample bags or optionally, screw cap bottles.

## ■ Standards

- Compliance with the Hygiene EN 1672 – 2 : 2005
- 3A Standards & USDA requirements
- CE compliant
- AUS & NZ MAF Regulations

## ■ Example of Standard Sampling Regime

- Samples are taken at a fixed frequency (ie. every 5 bulk fills).
- Each sample bag can hold a preset number of samples; this is known as the samples per sample bag.
- Samples are placed into the current sample bag at the fill position. When the sample bag is full, the next bag is indexed into position.
- At this time, the operator can change the full bag for a clean empty bag and reset that single sample station.
- If all sample bags are filled and none of them are reset, the filler is placed on hold until new sample bags are installed and the operator resets all bags.

All performance data achieved under test conditions with standard packaging materials.  
All specifications and dimensions subject to revision without notice.



## Process Engineering

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