

PowControl® H

In-Line Sampler

PowControl® H
NEW 2018



In-Line Sampler
for Powders

A Labocontrole® Product



Approved by many firms across the world, **PowControl® H** In-Line sampler allows the safely collection in sequential mode of a representative sample of powders or dry granules up to 1mm diameter size inside the heart of industrial process.

The innovative design of the equipment and the choice of materials meet the hygienic and safety requirements of the European Machinery Directives No. 2006/42 / EC and ATEX No. 2014/34/EU.

The sampler is available in ATEX optional : Device Group II Category 2 D (dust) for Zones 21 & 22 and G (gas) for zones 1 & 2 and corresponding marking :

CE  II 2GD c IIC T6(80°C)X

The installation of **PowControl® H** ideally belongs to the Quality control approach commended by the food, pharmaceutical and chemical industries according to GMP, FDA, ISO and HACCP.

PRINCIPLE

Based on the principle of the Archimedes screw, the pneumatically driven sampler **PowControl® H** takes representative samples in the very heart of the process, whether during the production phase or during the successive stages of product packaging.

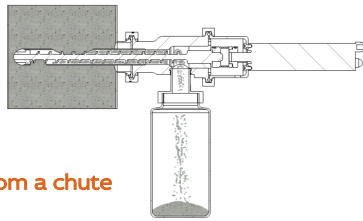
To avoid any risk of contamination between consecutive samples taken, the reversing of the rotation of the screw will empty the previous product trapped in the probe.

APPLICATION

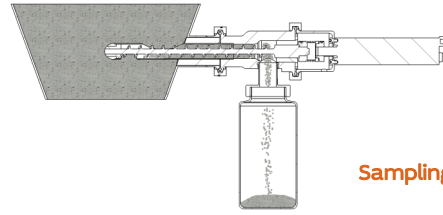
PowControl® H is designed to be permanently installed through a clamp connection either on a gravity line or on the wall of a silo or a reactor. The materials in contact with the product meet the requirements for use in food, and pharmaceutical applications: 316L stainless steel (up to Ra 0.4 µm on request), PTFE, PEEK .

The "Full Clamp" design allows the **PowControl® H** to be a suitable sampling solution when airtight configuration is required.

LOCATION



Sampling from a chute



Sampling from a silo

QUICK REMOVAL FOR EASY CLEANING AND MAINTENANCE



The easy decoupling of the motor from the screw allows a fast and thorough cleaning of the sampling probe and all the very few components.

Clever and convenient design :

- ① Quick release of the drive system
- ② Rapid screw extraction

CUSTOM DESIGN

Body, probe and screw of the sampler may be **electropolished** on require.

An **optional air actuated pinch valve** may automatically close the sampling outlet when the sampler is purged or not used, thereby avoiding any risk of product contamination or environmental pollution.

Manual airtight version is also available on demand.

PowControl® H sampler can be supplied with a **glove box** guaranteeing the level of containment value EOB5.

The sample may be collected in a bottle or in a sampling bag. A **SS316L adapter for bottle** may be provided on require.



Each process situation is a special case , our engineering department is at your disposal to study any configuration for your application.

CONTROL UNIT (optional)

PowControl® H sampler is driven with an electropneumatic control unit made of stainless steel ; it is supplied with 24VCC electric power and the compressed air supplying should vary between 2 and 10 bar maxi. The usual recommended pressure will be 2 bars.

A touch screen allows the operator to set all the operating parameters. A modifiable delay allows to defer the start of sampling thus avoiding idling.

In automatic mode, the starting cycle can be induced by an external signal : sampling sequences are then managed by the control program.

When used in manual mode, the operator will be able to drive and completely control the sample collection process via the touch screen.



Control Unit
with touch screen