

 **PowerProof**


motorized portable powder sampling system




Control the quality of your incoming raw materials with accuracy !

 **Representative sampling**

The **PowerProof**® samplers allow a representative sample of powders to be taken at each stage of penetration of the probe into the material to be collected (various sizes ranging from 300 up to 1500 mm). Cross-sectional samples can be obtained from normally inaccessible parts of paper sacks, drums, big bags and bulk tanks.

 **Easy to clean**


Due to its patented dismantling system, the 304L stainless steel boring tube and spiral are easily disconnected from the driver : they can then be totally cleaned and, if necessary, sterilised in an autoclave, without the use of tools.

 **Easy to handle**

Powered by rechargeable batteries (pneumatic optional) this system is completely portable, independent and ergonomic. Depending on the direction of rotation it can be used for either sampling or purging. One driver motor can be used with all probes.

 **Reliability and robustness**

The boring tube and its conveying screw are made from 100% stainless steel and all welds are made under argon atmosphere conditions. Their water tightness is controlled with dye penetration tests. Dead space is minimised to avoid contamination.

 **Precision engineering**

The passivated finished stainless steel parts are fully tested before leaving our factory. All **LaboControle**® samplers are precision engineered and designed to comply with the inspection requirements of the pharmaceutical, food and chemical industries, in accordance with BPF, GMP, FDA, HACCP, ISO recommendations and procedures for good sampling practices.

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🔄 **To obtain a representative cross-sectional sample.**

Check the cleanliness of the equipment, then gently penetrate the probe to the heart of the product whilst rotating the driver clockwise : the powder will enter the sample bag. Samples taken in this way are therefore representative of the different layers crossed by the probe. After sampling, purge the probe by reversing the direction of rotation. Withdraw the screw mechanism and clean with compressed air or a brush. When necessary sterilise the boring tube and screw in an autoclave.

***NB** : powder particles should not exceed 1mm in diameter.*

🔄 **Dismantling / Cleaning**

This patented system can be easily dismantled into its individual components and totally cleaned without the use of tools. The sampling unit is cleaned by disconnecting the boring tube from the driver and removing the spiral of the boring tube. They should be cleaned with compressed air or a brush after each sampling period. The boring tube and the screw can be sterilised in an autoclave.

🔄 **Dimensions :**

- Probe length : 300 up to 1500mm
- Probe external diameter : 25mm
- Outlet external diameter : 27 mm
- Particles size admitted : 1mm

🔄 **Sampling operation:** It is important to know whether sampling will be vertical or horizontal, so that the correct angle arm can be supplied.



🔄 **Description :**

- 1 - Drill unit
- 2 - Coupling part
- 3 - Removable PTFE Bearing
- 4 - Archimedes' screw
- 5 - Boring Tube
- 6 - Retainer clip for sample bag



 **Optional :**

- Bottle holder 304 SS
- Standard : 100mm high x 60mm DE
- Special : custom built

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 **Extra Services**

To ensure that our products respond to your needs and to help you chose the correct sampler we offer the following services :

- *On site demonstration.*

- *Free testing of your product in our workshops. This allows us to send you a report giving you the result of our trials as well as the samples taken for your own analysis. A 1 KG sample of your product (if not hazardous) is needed for this service.*

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