

PowerProof

Portable Motor Driven Sampler

PowerProof



Portable motor driven sampler for powders

A Labocontrole® Product



APPLICATION

The **PowerProof** sampler is designed to take samples of powders or granules up to 5 mm from various containers : big bags, palletized bags, barrels, tanks,.....

The **PowerProof** sampler offers a safe, ergonomic, simple, robust and reliable way to collect a representative sample of incoming raw materials in the plant.

Available in horizontal or vertical sampling configuration, its convenient design makes its handling and maintenance very easy.

The **PowerProof** sampler complies with the Machinery Directive 2006/42/EC; NF EN ISO 12100:2010 and NF EN ISO 13857:2008 standards are both applied to its design. Materials of parts in contact with the sampled product meet the constraints for use in food processing : 304L - 316L stainless steel, PEEK

The **PowerProof** sampler is the perfect servant of Quality Control for all dry powder products as it is easy to use and maintain; its robustness and efficiency are proved through several years of service.

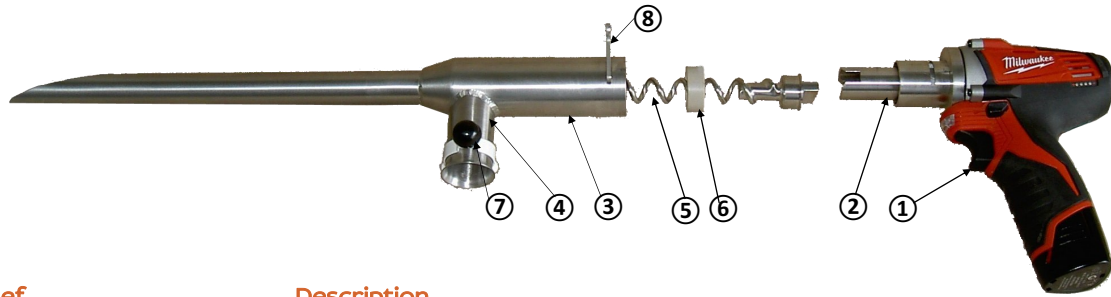
PRINCIPLE

Based on the principle of the Archimedes ' screw, the **PowerProof** sampler collects an average sample of product as the probe penetrates the container.

Gradually actuated by the motor, the screw takes some product through the successive layers of the container, thus optimizing the representativeness of the sample. The product is continuously discharged in a sampling bag or bottle.

After sampling, the reversed rotation (anticlockwise) of the screw enables the purge of the probe. Moreover, a quick and easy dismantling design allows an efficient cleaning before the next sampling, the purpose being to avoid any risk of crossed contamination.

DESCRIPTION (electric version)



Ref	Description
1	12V drill motor and rechargeable batteries Lithium-ion 12V-2 Ah (*)
2	Female coupling part SS 316L
3	Passivated finished SS 316L Probe
4	Discharge tube SS 304 - 304L
5	Round conveying screw SS 316L
6	PEEK bearing
7	Clip for Sampling bag - PVC and Duroplast
8	Closing pin on part 2 SS 316L

(*) delivered in carrying case with a spare battery and rapid charger

The **PowerProof** sampler is also available in pneumatic version

DIFFERENT MODELS



The **PowerProof** sampler is available according 2 sampling directions :

Horizontal Sampling:

Vertical Sampling



2 drivers : electric mode or pneumatic mode (EX area)



The **PowerProof** sampler is available in 5 standard sizes:

300mm (11.81Inch), 600mm (23.62Inch), 900mm (35.43Inch), 1200mm (47.24Inch), 1500mm (59.06Inch),



Depending on the product to be sampled, 3 types of screw are offered : round or flat screw but also specific designed screw for granules



Physical properties of powders and fine granules being subject to large variations, our technical support can offer a feasibility test carried out in our workshops.

More than 60 **PowerProof** configurations are available !

ACCESSORIES AND OPTIONS

Many accessories for cleaning and practical use of the **PowerProof** sampler are offered:

- Cleaning brush with handle (2 lengths available: 600 mm (23.62 Inch) or 1200 mm (47.24 Inch)
- Customized adapter for sampling bottle
- Set of 2 rechargeable batteries 12V Lithium-Ion with rapid charger
- PEEK bearing
- Sampling control seals Control-It

