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LABOCONTROLE®
Sampling Equipment



PowerProof®

Portable motor driven samplers for powders

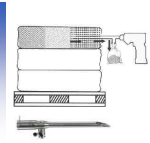
Control the quality of your incoming raw materials with accuracy !

Application: This equipment is particularly useful for the taking of quality controlled samples of incoming, raw materials, allowing cross-sectional samples to be obtained from normally inaccessible parts. They are designed to comply with the inspection requirements of the **pharmaceutical, cosmetic, food and chemical** industries, in accordance with BPF, GMP, FD, HACCP and ISO recommendations

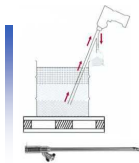
Principle

Based on the principle of the Archimedes' screw, the **PowerProof** probes allow a representative sample to be taken at each stage of penetration of the probe into the material to be collected.

Range: probes are available in various sizes ranging from 300, 600, 900, 1200, 1500 up to 1800mm for



● **Horizontal sampling**
enabling samples to be taken from paper sacks (300 & 600mm)



● **Vertical sampling**
for samples to be taken from drums, big-bags and bulk tanks (from 600 to 1800mm).

Particules' size : in the standard product range the probes are fitted with a "round" conveying screw allowing **powders of up to 1mm** to be taken. There are 2 other optional types of screw : the "granulate" type for powders up to 2mm in diameter and the "flat" type for very fine and fluid powders.

Driver : a new technology 12V lithium-ion drill motor, compact (lgth 165mm) and light (1.05Kg), is specially adapted for the exclusive use of the **PowerProof®** samplers

Air motor optional

Drill unit - details :

- 1 rapid charger 110 or 220V
- 2 rechargeable batteries 12V lithium-ion



Horizontal sampling in a sachet from paper sacks on a pallet with a 300mm long sampler Ref. S7PH3R



Vertical sampling in a sachet/bottle from drums or big-bags with a 600mm long sampler Ref. S7PV6R



Vertical sampling in a sachet from bulk tanks with a 1500mm Long sampler Ref. S7PV15R

Benefits

- **Representative & reliable sampling :** the probe penetrates to the heart of the product whilst rotating the driver. The samples taken are therefore representative of the different layers crossed by the probe providing a reliable sample.

- **Easy cleaning & sanitary security :** due to its patented dismantling system, the boring tube and spiral are made from 100% SS and are easily disconnected from the driver without the use of tools; they can then be totally cleaned with a brush, compressed air, alcohol or sterilised in an autoclave.

- **Easy operation :** Powered by 12V lithium-ion rechargeable batteries this system is completely portable and independent. One drive motor can be used with all probes.

- **Reliability :** passivated finished stainless steel; all welds made under argon atmosphere conditions : their water tightness is controlled with dye penetration tests. Dead space is minimised to avoid contamination.