

Declogging inside hoppers : the Airchoc® 6 solution is more economical

Created in 1978 by the French company STANDARD INDUSTRIE International, the AIRCHOC® is an air cannon that is placed preventatively on raw material storage units. Thanks to regular shots, it allows to avoid production stops due to material accumulation.

It is a cost-effective maintenance solution that uses 6 bar compressed air only when the shots are activated and is adaptable to many bulk areas.

STANDARD INDUSTRIE International's technical teams study an optimal installation recommendation according to

the clogging factors and the environment in which the unit will be used (risks, high heat zone, corrosiveness, humidity). With a great many installations realized, STANDARD INDUSTRIE International has launched a new version of its iconic AIRCHOC air cannon to allow its users to save compressed air while maintaining very good results.

WHAT BENEFITS DOES THE NEW VERSION OF THE AIRCHOC® AIR CANNON BRING?

An air cannon has two main components: a pressure vessel (storing atmospheric pressure), and a release mechanism (high speed release of compressed air).

Air cannons are permanently installed on the walls of silos and hoppers for all powder-like materials, thus preventing the formation of bridging and ratholing while maximizing storage capacity.

Air cannons do not require a specific air pressure. The factory air supply is usually sufficient with a minimum pressure of 4 bar, although 5 to 6 bar provides better results.

Average air consumption is moderate, depending on the number of shots per hour, the size of the tanks, and the number of air cannons installed.

The AIRCHOC® has always had the performance, profitability and safety characteristics expected by customers. The latest innovations of the AIRCHOC® version 6 are focused on compressed air savings.

Thanks to a better sealing of the piston and to a better impact force on clogging (10% higher than the older version), the air pressure can be reduced for an equivalent result.

The version 6 of The AIRCHOC® meets the challenges of the energy saving policy.

Using an AIRCHOC® air cannon makes it possible to stabilize and optimize the industrial processes. Indeed, when unclogging happens too late, this may cause a loss of material (solidified, for example), contamination or fermentation of products, or a temporary halt to production.



Installation by STANDARD INDUSTRIE teams of an AIRCHOC® air cannon on a sodium bicarbonate silo in order to avoid clogging of the material stored inside.



Cutting of the ellipse.

1



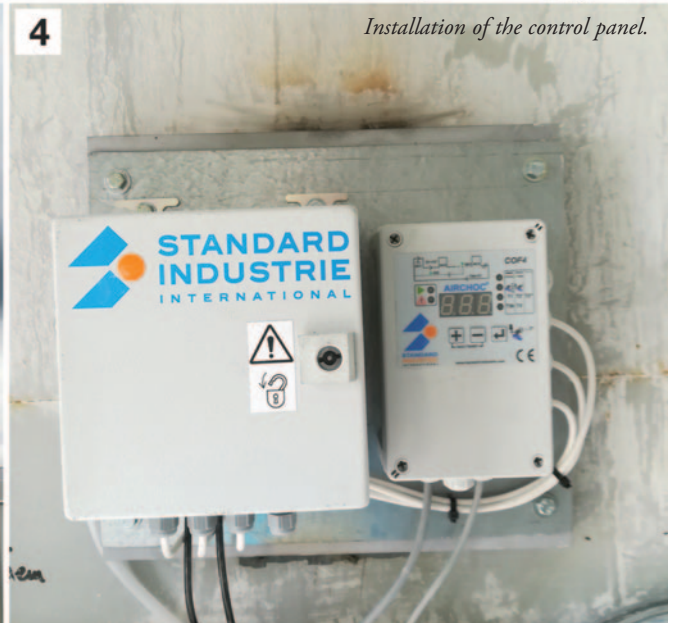
Installation of the blow pipe.

2



Assembly of the air cannon + accessories (suspensions and safety system).

3



Installation of the control panel.

4