

Storage Silo CC

The Storage Silo CC is a silo type for fluidizable mineral bulk materials. CC stands for "conventional cone" silo which is, in general, designed for silo diameters of 6 – 14 m. Standard aeration bottoms 3 m, 3,5 m, 5,5 m and 7,5 m are available. Silo storage volumes of up to 5000m³ can be realized.

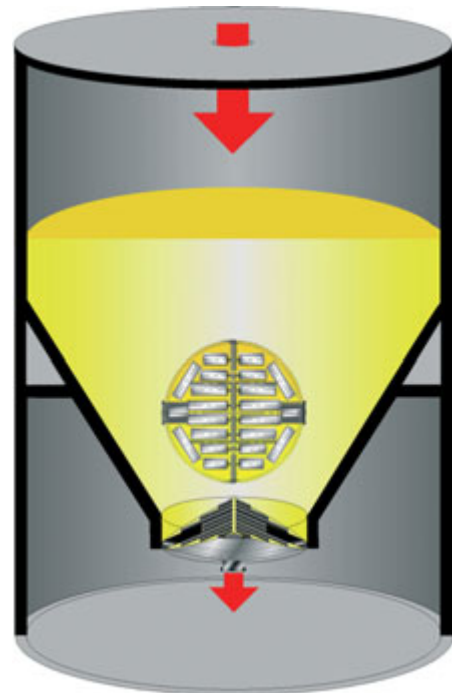
The standard design is suitable for the storage of

- Easy flowing bulk materials, like cement or raw meal
- Hardly flowing bulk materials like fly ash

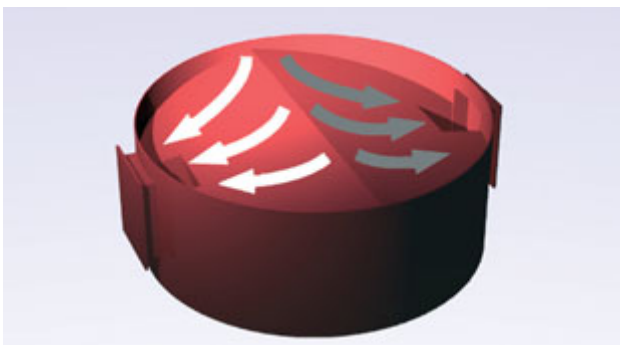
Other bulk materials, like gypsum, quick lime, lime hydrate and others, can also be stored in the Storage Silo CC.

Advantages of Claudius Peters CC Silo

- Silo principle first in / first out
- No dead material inside silo
- Excellent reclaim rate
- Application for small silo units
- Application for materials whose fluidization is limited
- Silo aeration system can be used for concrete or steel silos



Flow principle of Claudius Peters CC Silo



Sectionwise aeration to silo outlets



Discharge tunnel to center outlet

Storage Silo CC

Effective Aeration Concept

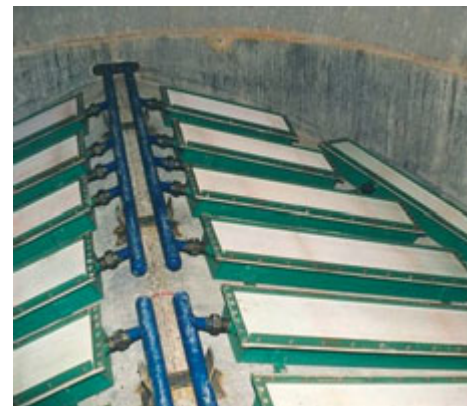
The aeration sectors are aerated alternately for a certain time during the discharge procedure. This aeration/discharge sequence is independent from the filling procedure. The main target of the aeration technique is a controlled discharge with highest silo reclaim rate.

A blower compresses the required aeration air into the silo bottom. An integrated aeration air system controlled by shut-off flaps, aerates the two bottom sectors. The bulk material begins to come into a fluidizing phase. Supported by the gravitational force of the bulk material column the material flows along the inclined aeroslide to the outlet at the center of the CC-bottom by means of gravity.

Claudius Peters discharge equipment under the silo like flat shut off gates, feed boxes and flow control gates guarantee a controlled discharge flow.



Storage Silo CC under construction



Discharge tunnel under silo cone leads to continuous discharge conditions at outlet

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The information contained within this brochure is deemed to be correct at the time of going to press. Due to the policy of continued improvement, we reserve the right to change any specification without prior notice.

ERRORS & OMISSIONS EXCEPTED

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