

Silo Aeration modification

Conversion set for Claudius Peters Silos with mechanical air distribution systems

Claudius Peters Silos of former construction types have been equipped with an air distributing system with motorized rotating distributor.

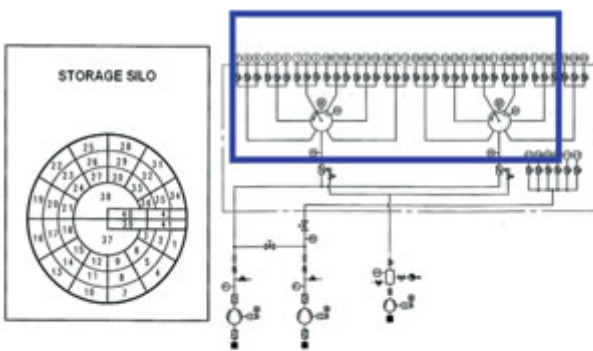
Modern Claudius Peters Silo Aeration bottoms are equipped with air distribution systems controlled by electro-pneumatically actuated intermediate flaps with position indication.



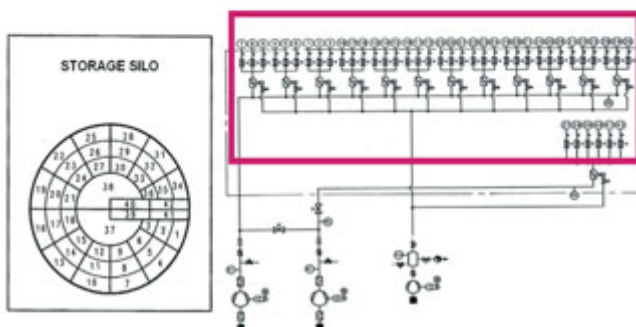
Former air distribution with mechanical distributor



New installation of air distribution system for silo aeration including electro pneumatic flaps



Chamber segments Outer ring segments



Chamber segments Outer ring segments

Negative characteristic

- Leakage air during the switching-over procedure
- Only fixed aeration cycles possible
- No individual and separate operation possible
- Mechanical distribution system leads to wear due to rotating parts

Positive characteristic

- No leakage air during the switching-over procedure.
- Easy replacement of flaps
- Aeration sequences can be adapted to the operating conditions by a PLC System
- Process control is completely mounted and programmed in the switchboard.
- Separate program for the residual discharge

Customer Benefits

- High operation flexibility
- High plant reliability
- Less wear parts

Silo Aeration modification

Conversion SET for Claudius Peters Silos with porous plates for Silo aeration

Claudius Peters Silos of former construction types have been equipped with porous plates for material fluidization.

All modern Claudius Peters Silos are equipped with aeration bottoms completely covered with open airslides, which are radially arranged and aerated in sections. Economic operation is ensured by a control system.

Claudius Peters has realized a lot of modifications of these existing "OLD STYLED" silo types.

Silos of older construction types can easily and efficiently be modernized by means of pneumatic air distribution and a flap control.

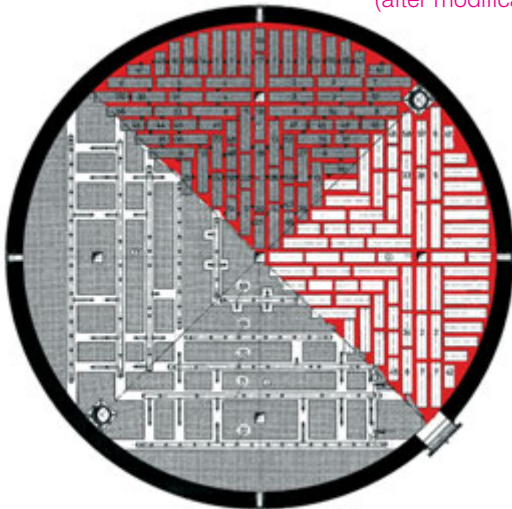


Claudius Peters Aeroslide type 2 (open)

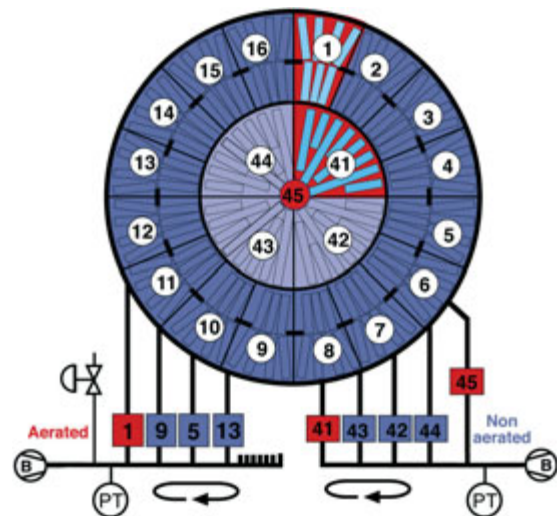
Advantages

- Reduction of maintenance time due to simple replacement of aeration fabric
- High operation reliability
- Reduction of maintenance costs
- Aeration sequences can be adapted to the operating conditions by a PLC system
- Process control is completely mounted and programmed in the switchboard
- Separate program for the residual discharge

Silo aeration bottom with aeroslides (after modification)



Silo aeration bottom with porous stones (before modification)



Silo aeration bottom and sequence

Claudius Peters Projects GmbH

Schanzenstraße 40 | D-21614 Buxtehude | Germany

Tel: +49 4161 706-0 | Fax: +49 4161 706-270

projects@claudiuspeters.com

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

CP Data S-A-M GB November 2011/Issue 1/JWN



CLAUDIUS PETERS

www.claudiuspeters.com

A Langley Holdings Company