Selective aeration, can be used flexibly at required points, partial fluidisation in a silo cone

Advantages:
- Reliable discharging of difficult flowing bulk solids
- No sticking or clumping together of micro-fine dust particles
- No bridging
- Gentle handling of the material to be discharged, without particle degradation
- Low maintenance
- Low noise
Characteristics of aeration channels:

- Can be used flexibly at exceptionally critical points
- Independent of the silo geometry
- Partial fluidisation in a silo cone, can also be retrofitted
- Impermeable material: Woven polyester or temperature-resistant stainless steel material

Function:
Compressed air (in special cases, inert gas) is distributed finely using a special woven material or a special sintered metal moulded part and fed to the particle composite. Air circulates around the particles, and the bulk-solid is then capable of flowing.

Conditions:
- Fluidisable bulk solids, i.e. non-cohesive,
- Dry, particle size less than 0.5 mm
- Dry air required, especially for hygroscopic products.

Sizes:
Length L from 500 to 3000 mm
Aeration pad, type ADF

- For small hoppers
- Selective application
- Simple assembly, can also be retrofitted
- Impermeable material: temperature-resistant stainless steel material
Aeration stick, type FLS

- Lengths: 200, 400, 600, 800 mm
- For small hoppers
- Selective application
- Simple assembly, can also be retrofitted
- For inertisation
- Impermeable material: temperature-resistant stainless steel material
solids Aeration Channel, Type ADS
solids Aeration Pad, Type ADF
solids Aeration Stick, Type FLS

Example: Aeration sticks, installed in solids vibration cone, type EVS