

ALFRA SILOS EFFICIENT STORAGE HANDLING

SMOOTH WALLS ENSURE FAST, STEADY FLOW



STEADY MASS FLOW FOR EVEN POOR FLOWING MATERIALS

- Flexible silos ensure steady mass flow for important FIFO output
- Avoid production loss as a result of bridging and rat holes
- Reduced residue cuts cross contamination and improves hygiene
- Standard volumes of 0.2 to 10 m³

Eliminating blockages can double dosing speeds

Silos can have an enormous influence on the speed of the dosing & weighing equipment below them. Product compacted against silo walls can cause rat holing which needs frequent cleaning to avoid cross contamination or product degradation. Product bridging can block the outlet to stop production altogether.

Preventing that can greatly increase dosing speeds – sometimes even doubling them.

Flexible silos for regular and poor flowing materials

The ALFRA flexible silos are made from a special smooth and inert coated textile to prevent bridging and rat holing and ensure a fast, predictable product supply.

Flexible silos can have higher production capacity and dosing rates than stainless steel types. They are also easier and cheaper to transport and install than rigid silos.

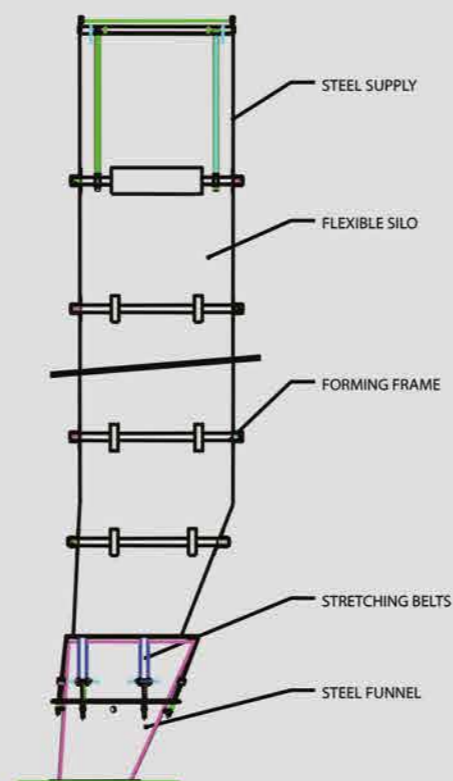
Stainless steel silos for regular materials

ALFRA also supplies stainless steel silos. These feature rounded internal corners to improve product flow and reduce residue, thus cutting the risk of contamination. They accept all commonly used powders, granulates and pellets. Construction can use regular steel or a stainless steel like 304 or 316.

Options and configurations

Outflow speeds of particularly poorly flowing materials can be increased by adding air bellows or pneumatic activators to flexible silos, and stirring devices to steel silos.

A standard, heavy duty silo deck (walkable and rideable with a pallet truck) can be placed on top of a block of silos. The same modular silo deck is used for flexible and steel silos. An integrated silo lid control can prevent silos being filled with the wrong products.



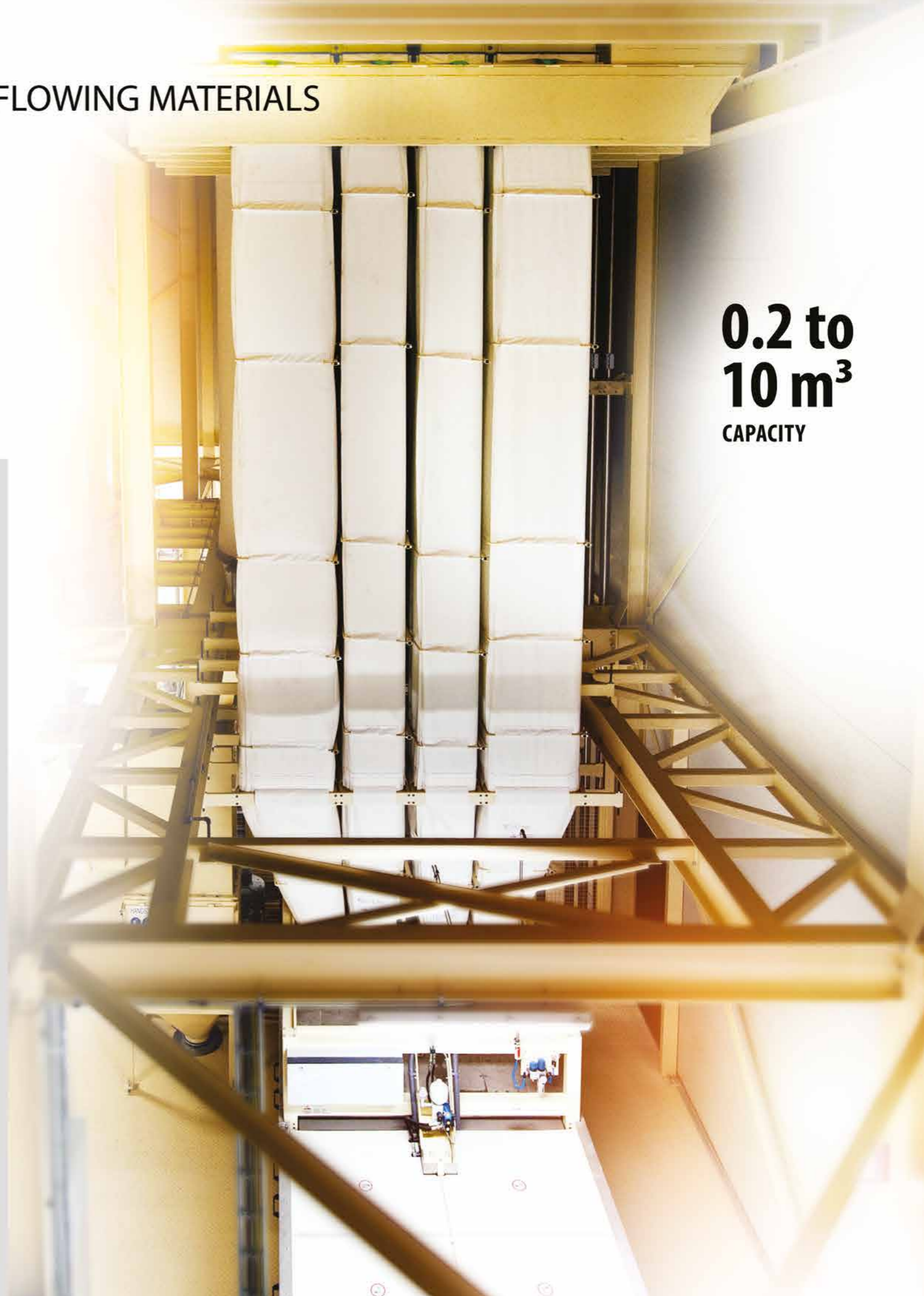
FLEXIBLE SILOS

Flexible silos preserve essential FIFO order

Hung from above, flexible silos are supported at regular intervals by form frames to keep the silo shape. Flexible walls together with extra activation substantially improves mass flow behaviour of even poor flowing materials. This ensures that the First In materials are also First Out.

The flexible material is ATEX compliant, antistatic and non-conductive (FDA approval possible).

**0.2 to
10 m³
CAPACITY**





Dosing & Weighing Technology

Specifications

Volumes	up to 10 m ³
Flexible silos	ATEX compliant, antistatic, non-conductive coated textile (FDA approval possible)
Steel silos	Regular steel, stainless steel (e.g. 304 or 316)

Applications

Feed and food	Compound feed, mineral premixes, pet food, aqua feed, milk substitutes, food ingredients
Industrial	Building materials, rubber, industrial components, plastics, chemicals
Special products	Seeds, washing powder, gypsum, plaster, raw materials for grinding discs, etc.

See also:

Datasheet	ALFRA KCD / GCD / FCD
Datasheet	ALFRA DS (Dosing Slide)
Datasheet	ALFRA dose&weigh

KSE: what we do

KSE Process Technology is a family business that has grown steadily over the last 40 years to become a worldwide concern. We supply everything your factory needs to dose, weigh and transport your materials. Besides dosing and weighing systems themselves, we provide automation solutions and services for producers of powders, pellets and granulates for the animal feed and related industries.

The portfolio of KSE dosing and weighing solutions covers everything from micro up to macro components, with dose rates from 1 gram to above 6,000 kg. Next to this, KSE's future-proof PROMAS ST process control system completely automates animal feed and food industry factories. Remote support with on-line diagnostics and a 24-hour helpdesk are available to customers around the world.

Although many of our products are standard, all our systems can be optimized to your requirements with different options and modifications.

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Scan the QR code to see the
ALFRA flexible silos in action