

HIGHLY RECOMMENDED FOR MORE SPACE.

CUSTOMISED A.B.S. FLEXILO
FOR WOOD PELLETS.



WE MAKE IT FIT

WE MAKE IT FIT.

OWNER-RUN, FLEXIBLE
AND BASED ON PARTNERSHIP:
A.B.S. FROM OSTERBURKEN.

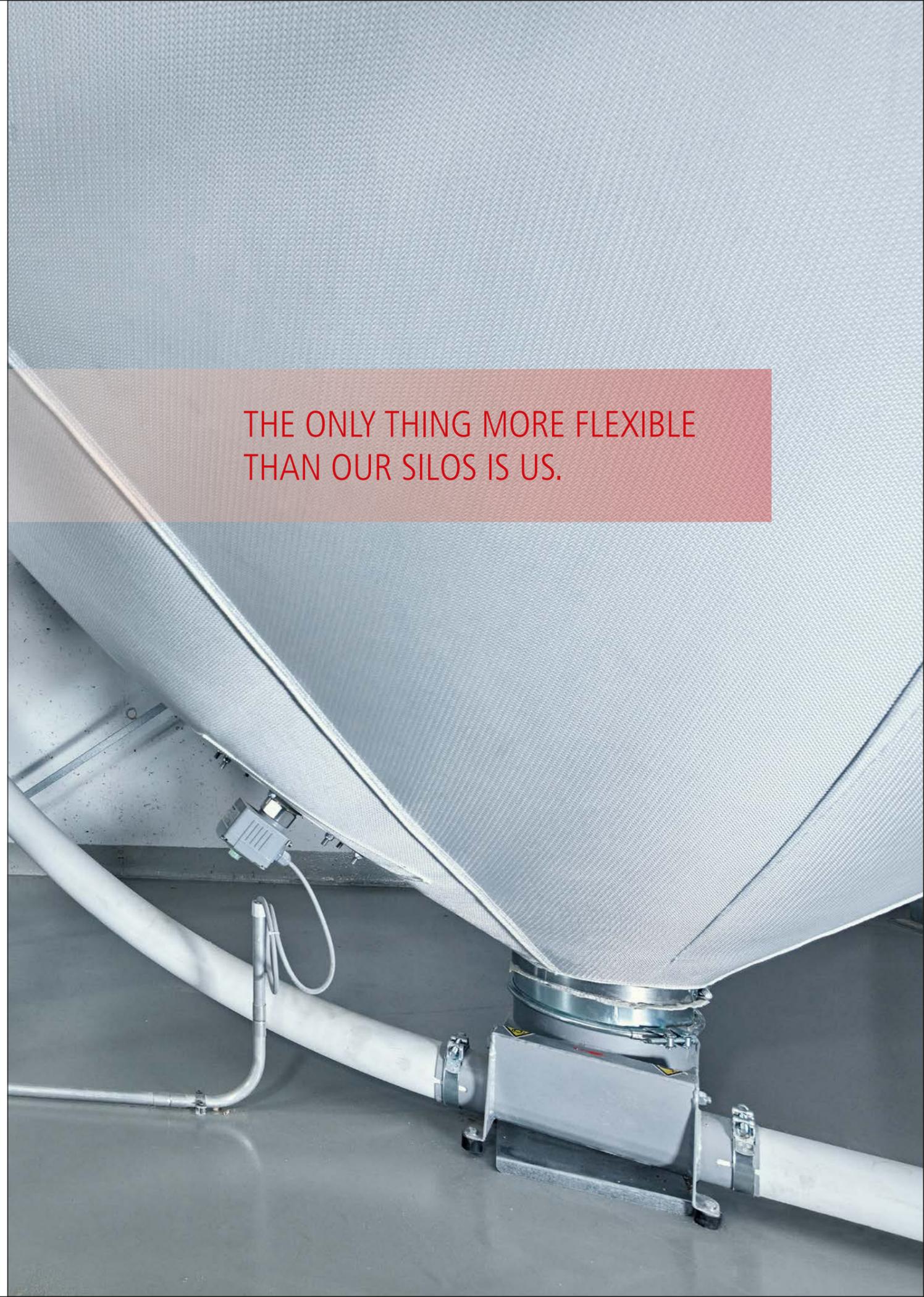


Some still only think of huge, heavy, immovable metal towers when they hear the word "silo". Flex Silos from A.B.S, however, are much more compact, lightweight and flexible.

Our company founder Adolf Lesk specialised in a new silo technology as far back as the 1980s. The idea was to use textiles instead of metal – equally sturdy and resilient, but much more flexible and sustainable. A design that turned out to be successful: Today, the name A.B.S is recognised throughout the world for high-quality flexible silos, with over 85,000 units successfully installed in industry and agriculture and for wood pellet storage.

Our passion for silos does not end with standard versions. Whatever your bulk goods, whatever your premises: We provide individual solutions tailored to your requirements – guaranteed. Because we have an endless number of options for your customised Flex Silo storage solution.

THE ONLY THING MORE FLEXIBLE
THAN OUR SILOS IS US.





PELLETS STORED RIGHT. OPTIMUM USE OF SPACE.

A.B.S. FLEXILO FOR PELLET STORAGE.

Your benefits:

- Space-saving storage of your pellets
- Customised to fit your storage space
- Optimum use of space
- Gentle filling, high capacity
- Pellets are protected against moisture
- High-tech fabric adapted to wood pellets
- Long service life with at least 7-fold safety in the seams and fabric
- Simply tap to clean
- Quick and easy assembly
- Easy to service, requires little maintenance
- Optimum price-performance ratio

With energy-efficient and climate-friendly heat, wood pellet heating systems offer a true alternative to other systems. Pellet storage, however, can often cause problems, e.g. in damp cellars. Silos made with technical textiles, like the Flexilo from A.B.S., are different: Made of durable high-tech fabric, they are perfectly adapted to this sensitive bulk material. They are dust-tight and offer permanent electrostatic dissipation. Flexible walls and built-in impact protection ensure gentle filling of the silo. As the fabric is breathable, temperature fluctuations do not cause any condensation. Your A.B.S fabric silo is delivered in a compact format: It fits through even the narrowest door and can be assembled quickly and easily to safely store the fuel for sustainable energy.

OUR STRENGTH FOR YOUR FUEL.

A.B.S. FLEXILO MADE OF HIGH-TECH FABRIC.



You want your pellet storage to be dry, safe and space-saving? Then our Flexilo silos made of durable, robust and breathable fabric are the ideal solution.

A.B.S fabric silos are particularly durable, easy to maintain and economical. We use a special high-tech fabric that contains metal threads which make it permanently electrostatically dissipative.

The robust high-strength material holds back dust while letting air pass through. When the pellets are blown in, an open window or door in the installation room is enough to discharge the delivery air without any dust while avoiding overpressure.

A.B.S. Flexilo silos are available in a range of different variants: square or rectangular, with cone, trough or flat-base design. All models are shown on the following pages.



**Made with
special fabric
from A.B.S.**



THE ALTERNATIVE
FOR ALTERNATIVE
ENERGY.

THE A.B.S. FLEXILO RANGE.



Flexilo ECO

ECO-FRIENDLY ALL AROUND.

Flexilo STANDARD

THE ONE FOR ALL SITUATIONS.



With its frame made of wood – a natural, renewable raw material – this pellet silo is in harmony in nature. Due to the static load, we use robust glued timber that meets all the requirements. All connecting elements are made of high-quality galvanized steel. The extraction and outlet can be adapted to virtually any boiler. A storage solution that is as eco-friendly as it is cost-effective.



The solution that always fits: The classic silo design with conical outlet, connected to the A.B.S high-tech fabric, ensures reliable pellet discharge and can be easily combined with virtually any extraction unit. If a larger capacity is required, we recommend a cascade solution where multiple silos are linked with a continuous spiral. Like all A.B.S silos, they are delivered quickly, are easy to assemble, require little maintenance and are easy to service.



Flexilo MINI

MINIMUM FOOTPRINT,
MAXIMUM COMFORT.

Ideal for heating systems with low demand or locations that cannot be accessed with pellet lorries: The small, compact silo with a size of 98 x 98 cm and a capacity of 600 litres is open at the top as standard and therefore easy to fill from bags. The pellets are extracted either with a suction box or a screw box. The mini silo is also ideal for temporary storage and can easily be expanded with an external A.B.S pellet suction box.



Flexilo MAXI

THE BIGGEST ONE FOR ECO-
CONSCIOUS COMMUNITIES.

Eco-friendly heating, lower running costs and government grants:
The Flexilo MAXI was specially developed for large wood pellet systems with an output of 50 kW or higher. It has a storage capacity of up to 50 m³ – enough to hold the load of an entire pellet lorry. And if demand is even greater, several silos can easily be linked as a cascade. The perfect low-resource, budget-friendly solution for municipal facilities such as schools, community centres and nursery schools.





ENDLESS OPTIONS
FOR MORE SPACE.
THE A.B.S. FLEXILO IN ACTION.



Flexilo TROUGH

THE RELIABLE ALTERNATIVE.

Proven functions, different shape: The Flexilo TROUGH offers the same advantages as all other A.B.S pellet silos, but with a design that resembles a bunker with an inclined floor. This silo is particularly suitable for narrow, low rooms, e.g. in older buildings or vaulted cellars, making optimum use of the available space. While self-built storage bunkers are often the cause of system malfunctions, the trough silo is a reliable and time-saving alternative thanks to its design and materials.



Flexilo SPRING

THE SPACE SAVER.

The intelligent derivative of a lifting silo: As the silo cone lowers during filling, almost the entire footprint can be used as storage space. During discharge, this section rises again and forms an incline which allows the pellets to flow out. No space is wasted even in the smallest spaces. Tension springs attached to the silo cone ensure reliable discharging, while the proven flow technology of the Flexilo TROUGH ensures safe and reliable operation of the heating system.



Flexilo MODUL

SAME FLOOR SPACE,
MORE VOLUME.

Your storage room has a maximum height of 1.80 m? Not a problem: Specially designed for restricted spaces, the Flexilo MODULE offers up to 60% more filling volume compared to a conventional silo shape – with the same footprint! The flexible layout of the modules allows the fabric tank to be optimally adapted to the situation at hand. Filling and discharging run smoothly. The silo is suitable even for damp cellar rooms and therefore the perfect storage solution for older buildings.



Flexilo FLAT BOTTOM

AS GOOD AS IT GETS.

Cuboid, space saving, attractively priced: The Flexilo FLAT BOTTOM is the convincing, reliable storage solution with maximum filling volume. The clever cuboid shape means that up to 90% of the storage space can be utilised! This allows space-saving storage of wood pellets even in sensitive and low rooms. With custom dimensions, we can tailor the silo to suit virtually any application. Flat-bottom silos include the complete extraction unit as standard: manual switching unit, hoses on the inside and suction probes.



WHERE WOULD YOU LIKE IT?

PLACEMENT OPTIONS FOR YOUR FLEXILO.



Flexilo OUTDOOR

READY FOR WIND AND WEATHER.

Not enough space indoors? A.B.S. has a solution for outdoors, too. The durable, uncoated, breathable high-tech fabric of the Flexilo OUTDOOR is protected with a special outer shell. The air circulating between the inner shell and outer shell prevents condensation, allowing the pellets to stay dry from silo to boiler. The galvanized steel structure, the shell and the roof cover made of coated polyester fabric make the silo absolutely weather-resistant.



MORE THAN
JUST
PERIPHERAL.

A.B.S. FLEXILO ACCESSORIES.



PELLET SUCTION BOX

FROM SILO TO BOILER IN NO TIME AT ALL.

The pneumatic suction system transports the pellets gently and reliably from the storage room into the day hopper of the boiler. A max. 20 m long hose can compensate a height difference of 6 m. The pellet suction box is compatible with almost all manually filled boilers up to max. 180 kW. A separate controller regulates the filling process. Delivered ready to use – simply plug in and use in a few simple steps. Transport times and cycles can be set individually.



FILL LEVEL MONITORING

ALWAYS IN THE KNOW.

It is good to always keep an eye on your pellet stock. A.B.S. offers two options for fill level monitoring: A rotary paddle level switch is suitable for all silo types and can be used to signal full, top-up or empty levels. A weighing system shows the remaining stock at all times: As the load cells do not come into contact with the pellets, incorrect measurements due to discharge cones, bridges or funnels in the material are virtually excluded.

PELLETBOX

COMPACT AND VERSATILE

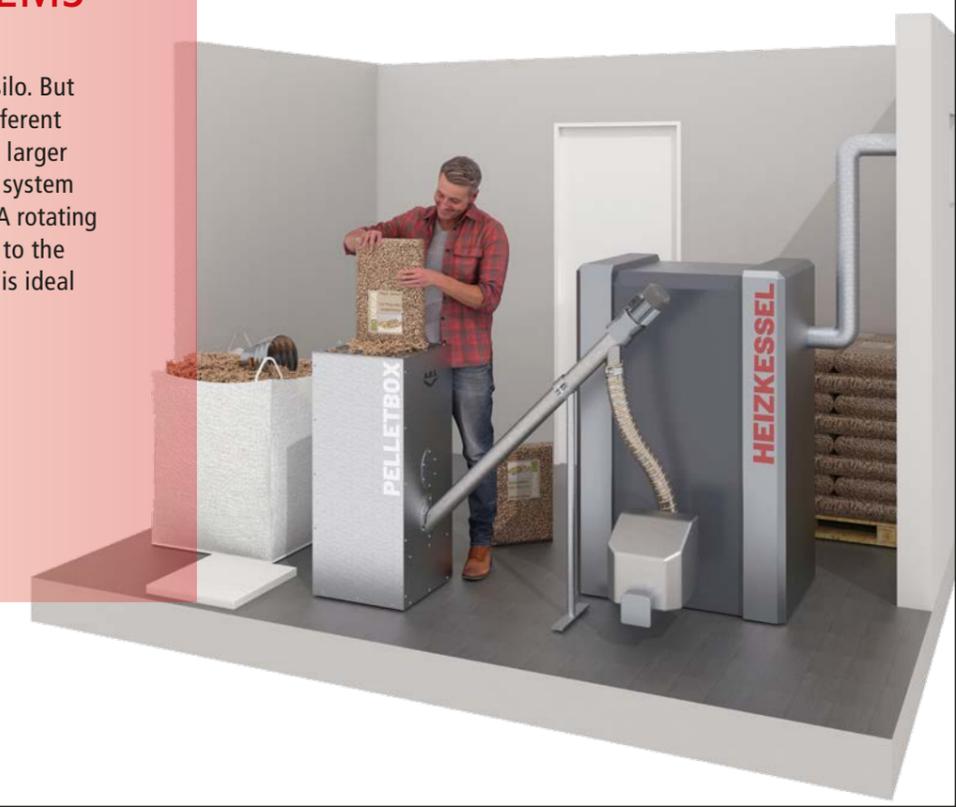
Ideal for households with low fuel demand: The compact pellet box made of galvanised steel has a size of only 48 x 48 x 106 cm and can be placed directly next to the boiler or freely in the room. It is simply filled by hand. The day hopper holds approx. 200 l, which corresponds to around 10 bags of pellets (15 kg each). The pellet box has a variety of application options: The pellets are extracted with a screw conveyor, a suction probe or an external suction system.

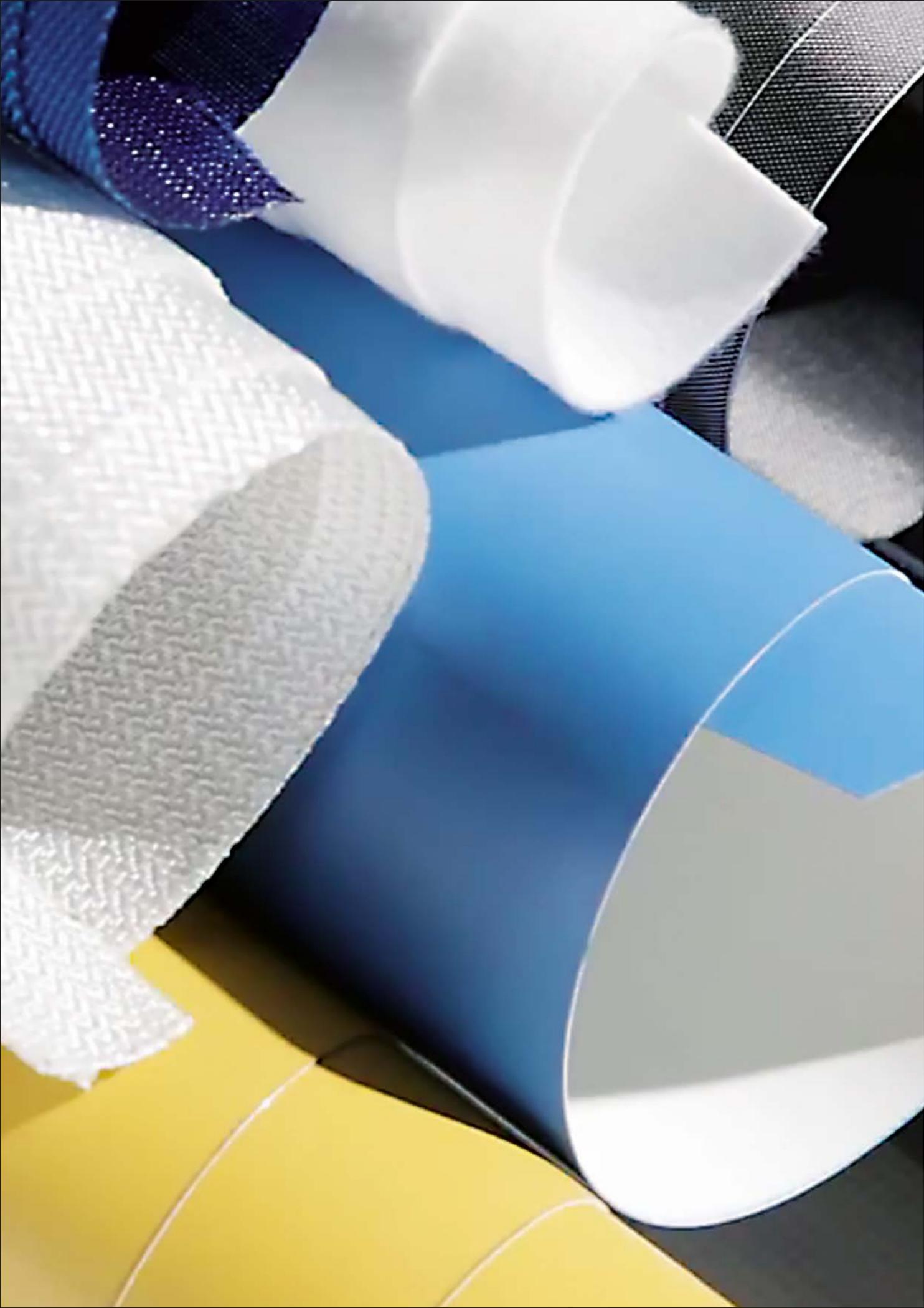


TRANSPORT SYSTEMS

THE BEST WAY TO THE BOILER.

The pellets are safely stored in the silo. But how do they get into the boiler? Different systems have proven successful: For larger distances, we recommend a suction system that transports the pellets in a hose. A rotating screw conveyor that moves the fuel to the boiler continuously with little noise is ideal for shorter distances of 3 to 4 m.





ALWAYS THE RIGHT FABRIC.

AT LEAST 7-FOLD SAFETY,
ALWAYS RIGHT AT A.B.S:
OUR HIGH-TECH FABRICS.



Everyone feels better in a tailored suit – including and especially your bulk materials, because they are as different as us humans. That is why we equip our Flex Silos with the fabric that suits the characteristics of the bulk material.

The high-performance fabric used by A.B.S is not only highly durable, robust, breathable and dust-tight, but also extremely versatile: coated, uncoated, permanent electrostatic dissipation, food-safe, UV-resistant, ATEX compliant, ...
In total, we use over 20 different variants in our production.

The high-performance fabric with at least 7-fold safety in the seams and weave has been used successfully for decades. Good to know: Independently of the manufacturers' certificates, we have the durability of the fabric and seams tested regularly by the Hohenstein research institute. Added safety for you – and for your bulk materials!

HOW FLEXIBLE CAN WE BE FOR YOU?

WHICH FLEXILO STORAGE SOLUTION
IS RIGHT FOR YOU? LET'S FIND OUT
TOGETHER. WE ARE LOOKING FORWARD
TO YOUR ENQUIRY.



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WE MAKE IT FIT