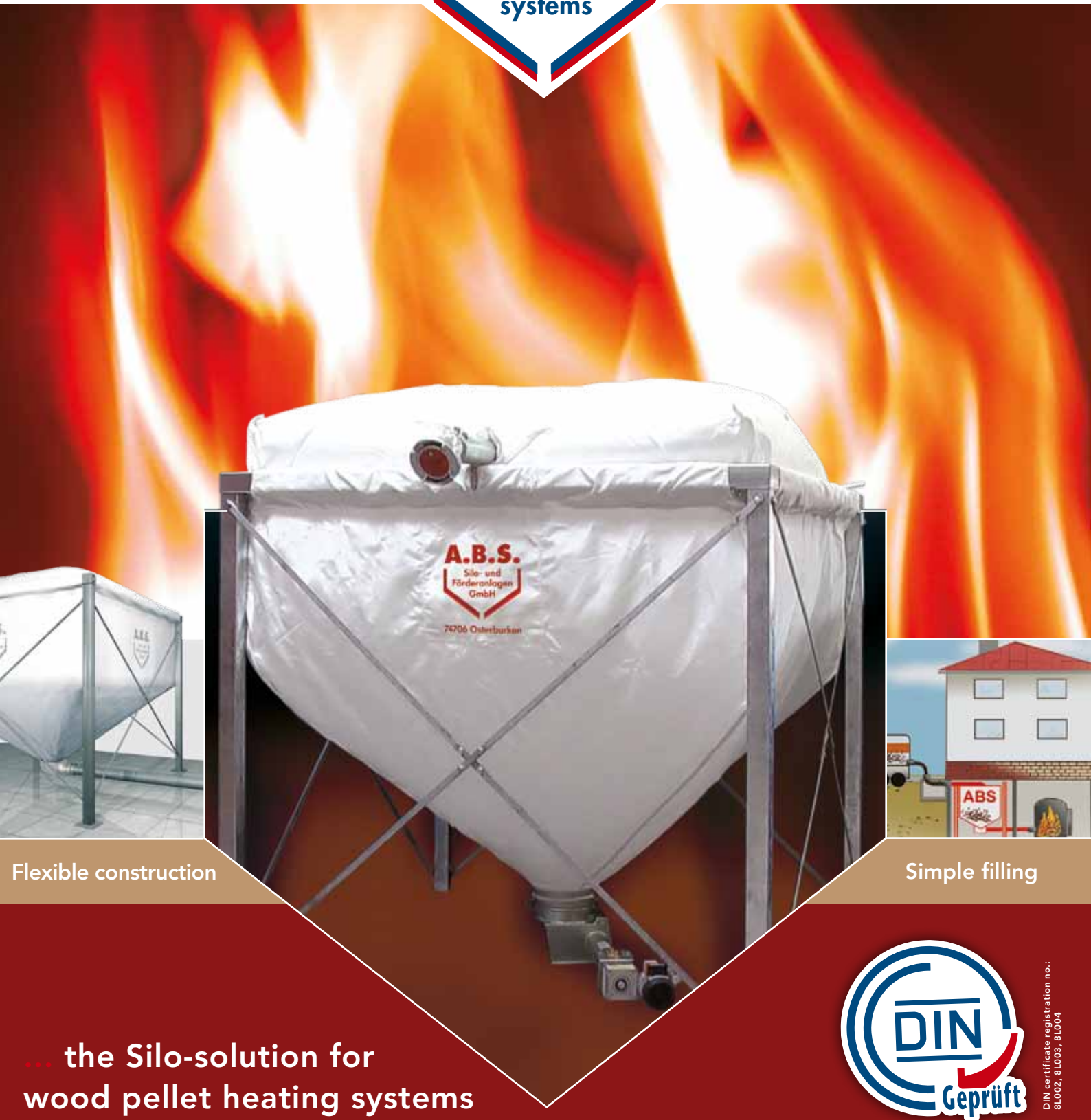




... with more than 25 years of experience  
and over 45,000 flexible silos sold



Flexible construction

Simple filling

... the Silo-solution for  
wood pellet heating systems



DIN certificate registration no.:  
8L002, 8L003, 8L004

〈 ... easy to assemble 〉 〈 ... long lasting 〉 〈 ... economical 〉

[www.abs-silos.de](http://www.abs-silos.de)



Spiral



Suction System

Screw

Installation is possible with different discharge systems, depending on your requirements.

## <... The advantages of Flexilos® >

- Made of very strong and durable high-tech polyester fabric, which has been tested for many years in industrial applications
  - Seven-fold safety for seams and fabric
  - Highest reliability thanks to DIN approved quality
  - Simple and largely dust-free filling
  - Simple and quick assembly. Two workers require approx. 2 hours. In comparison, the erection of a bunker system requires approx. 2 days and causes additional cost expenditure for statics calculations, materials, vapour barrier, insulation and dust-tight lining of the bunker
  - No formation of condensation in case of fluctuations in temperature
  - Optimised space utilisation, i.e. manufactured in accordance with your specifications square or rectangular shape
  - Maintenance-free
  - Filled level visible from outside
  - Individual filling and discharge possibilities
- ... and fast delivery**

## < ... Flexilo® -

### The optimal fuel storage for any type of wood pellet heating system >

Capacity to 30,0 t

**For the storage of wood pellets are flexible silos and storage containers made of technical fabrics, so called sack silos, the ideal solution.**

Flexilos® are made of very strong and durable high-tech polyester fabric. This is coordinated with wood pellets, largely dust-tight and has a permanent electrostatic dissipation. The pellets can be filled gently thanks to the flexible walls. It is also possible to equip the silos with high-tech polyester fabric in accordance with fire class DIN 4102 B2.

Silo with cone holding straps

Silo without cone holding straps



#### **NEW! Plug-in system in galvanised construction.**

Rust and varnish damages are thereby prevented. With an appropriate weather cover is an outdoor installation possible.

## < ... Simple filling, flexible location >

The wood pellets are delivered in a tanker and injected into the sack silo. The approx. 30 m long filling hose from the tanker makes it possible to use the silo almost anywhere in the cellar. In this case, it is necessary to ensure that the storage area borders the outside wall, if possible.

#### **Pellet quality:**

A.B.S. wood pellet silos are exclusively constructed for the storage of wood pellets. Use quality pellets in accordance with DINplus or ÖNORM M7135 with a diameter of 6 mm.



# SILO SOLUTIONS FOR PELLET





Screwbox

Exhausting box

Spiral conveyor system

... for more accessories please visit our Homepage under [www.abs-silos.de](http://www.abs-silos.de)

## <... Trough silos >

Trough silos feature the same properties and advantages as bag silos, but their design rather resembles that of a bunker system with sloped bottom. In particular in old buildings there are narrow and low rooms where it is difficult to accommodate storage facilities. Therefore, trough silos offer an optimum alternative. Thanks to their construction trough silos are filled up to under the room ceiling. The shape of the silo enables an excellent utilisation of the used room. The silo can be operated with suction, screw and spiral conveyor system. The easy and fast assembling is the advantage compared to a bunker system with sloped bottom.



Silo with fabric cone

Silos with metal bottom

## <... Spiral conveyors >

Spiral conveyors – as well as screw conveyors - ensure a low-noise, dust-free transport of wood pellets. This also works in bends and slopes. The energy consumption is very low. However, spiral conveyors are more flexible than screws and the soft movement of the spiral protects the wood pellets from damage.

A combination of suction conveying and spiral is also possible. With the spiral a defined quantity of pellets is conveyed to an extraction point.

In a cascade arrangement several silos are connected by means of a continuous spiral.



## <... Technical information >

### **Silo size and silo height:**

The size of the silo depends on the building-heat load. There should be a gap of approx. 10 to 15 cm between the silo and the wall in order to permit ventilation behind it. In case of interior filling is a gap of 50 cm to the wall on the side of filling pipe required. The silo height naturally depends on the height of the room. The distance between the steel supports and the ceiling should be 20 to 25 cm, because the filling pipe will take up this space. Since A.B.S. - Silos are flexible adaptable to your

needs as well as the room size, we can supply you with the ideal silo for your requirements.

### **Filling and removal:**

Filling is from the side, thereby achieving a better degree of filling than with central filling. The removal effected in accordance with your requirements.

### **Sub surface:**

A stable sub surface is a prerequisite for the erection location.

### **State promotion programmes for heating with wood pellets:**

Information available from the Federal German Ministry for Economics and Export Control [www.bafa.de](http://www.bafa.de) and the German Solar Power Association [www.dgs.de/kfw](http://www.dgs.de/kfw) as well as the Deutsche Energie-Pellet-Verband e. V. [www.depv.de](http://www.depv.de)  
Please observe the current heating regulation for your state.



# HEATING SYSTEMS



Example of assembly



## < ... Simple to assembly, high flexibility >

The well-perfected construction guarantees extremely short set-up times for our silos. Delivery of the silo takes place on just one pallet. Two persons require just 2 hours for the assembly.

## < ... A.B.S. - a strong team with more than 25 years of experience >

More than 45,000 installed A.B.S.-Silos throughout the world give you the safety of having found the competent partner for your project. The experts in our team knows exactly what is important!

Our team is happy to advise you with regard to planning your silo system and give you some tips and make suggestions on how you integrate A.B.S.-Silos into your workflow while making optimum use of the available space. This can save you time and a lot of money.

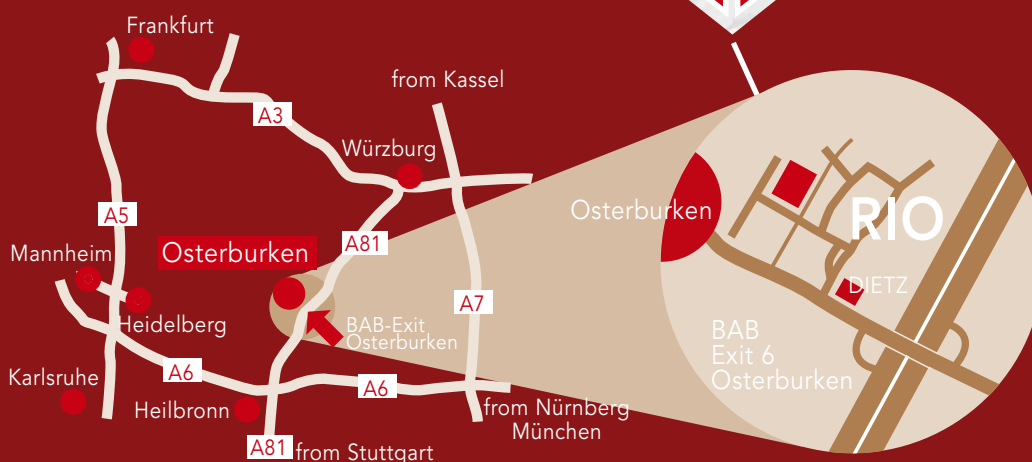
**Our team is looking forward to your enquiry!**



DIN certificate  
registration no.:  
8L002, 8L003, 8L004



## < ... this is how you can find us >



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