

PLANNING & PRICES 2024/2025

# FULL PELLETS FULL ADVANTAGES.

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



# CONTENTS

Simply filling	4
Standard position of the filling pipe	4
Important details at a glance	5
Easy and fast installation	50
Certified storage for certified wood pellets	51
Installation site requirements	51
Maintenance	51

## Technical information

### Bulk weight wood pellets: 0.65 t/m<sup>3</sup>

The volume indications are calculated values. Filling volumes depend on the filler and installation situation (e.g. installation of filling pipes). Ground clearance is adjusted according to the discharging unit – in part, certain boiler-determined discharging units require a larger ground clearance, therefore the calculated filling volume might be different. The silo outlet diameter is standard 250 mm and can be changed if extraction from the boiler requires so.

### Prices and transport costs

All prices are in € without the addition of the legal VAT. The price list is valid from 01 April 2024. Previous price lists, service packages and proposals are herewith invalid.

### Terms of delivery

Incoterms® 2020 Ex Works, A.B.S. Silo- und Förderanlagen GmbH, Industriepark 100, 74706 Osterburken/Germany

### We reserve the right to make technical changes

We reserve the right to make technical, assortment and price changes. Typographical errors and deficiencies or changes of any kind which have meanwhile occurred do not authorize any claims.



Flexilo STANDARD

6



Flexilo ECO

10



Flexilo MAXI

12



Flexilo OUTDOOR

16



Flexilo TROUGH

18



Flexilo SPRING

22



Flexilo MODUL

26



Flexilo FLAT BOTTOM

30



Flexilo MINI

34



ACCESSORIES

36

# SO THAT IT RUNS PERFECTLY.

THIS IS WHAT YOU SHOULD  
CONSIDER WHEN PLANNING.

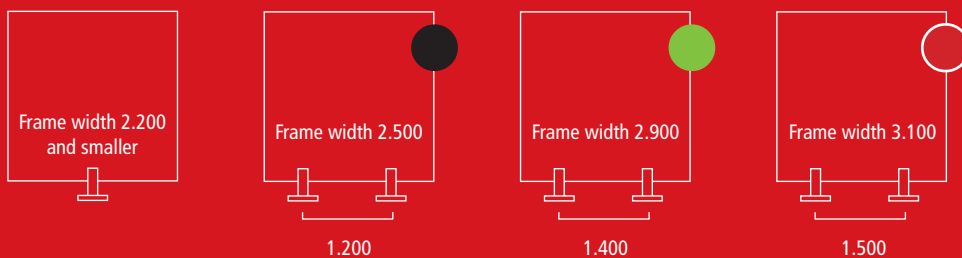
## SIMPLE FILLING

The wood pellets are delivered by a silo truck and injected into the flexible pellet storage facility. During the filling process, the injection air dissipates through the fabric cover of the silo. Hence, it is not mandatory to have a ventilation system (a ventilation opening is required in the installation room of min 400 cm<sup>2</sup>). To ensure maximum use of space, the pellets are injected horizontally above the lifting bar. The flexible walls and built-in impact protection ensure a gentle filling process of the wood pellets. The corresponding filling system is supplied with every A.B.S.-Silo, but may vary depending on the type of silo chosen – additional accessories for extending the filling line can be found on page 43.

Video via  
Internet >>>



## STANDARD POSITION OF THE FILLING PIPE



From a frame width of 2.5 m, A.B.S.-Silos will be equipped with two filling pipes.

## STANDARD POSITION OF THE FILLING PIPE OF RECTANGLE SILOS



The filling line on rectangular silos is located on the narrow side as standard. Two filling lines are included in the delivery for frame widths of 2.5 m or more.



## STANDARD POSITION OF THE MANUAL FILLING NOZZLE



Additional closeable access integrated into the silo wall (on the filling side).

### IMPORTANT DETAILS AT A GLANCE



- ▶ Use quality pellets according to international Norm ISO 17225-2 bzw. EN plus. For further information, visit [www.enplus-pellets.de](http://www.enplus-pellets.de)
- ▶ No ventilation system needed (a ventilation opening is required at the installation site of min. 400 cm<sup>2</sup>)
- ▶ The filling pipe should be short (not longer than 10 m) and have few changes in direction
- ▶ The fixed filling pipe and filling hose of the silo vehicle should not be longer than 30 m
- ▶ Moisture entry into the filling tube must be prevented
- ▶ The filling coupling must be accessible for the tank truck driver and easy to reach (without using ladders, etc.)
- ▶ Note the position of the filling nozzles – see above
- ▶ The manual filling nozzles should be accessible
- ▶ Make sure filling is performed properly!



Please observe in the planning especially the chapter „Installation site requirements“ page 51  
Please observe the current Firing Ordinance applicable in your country



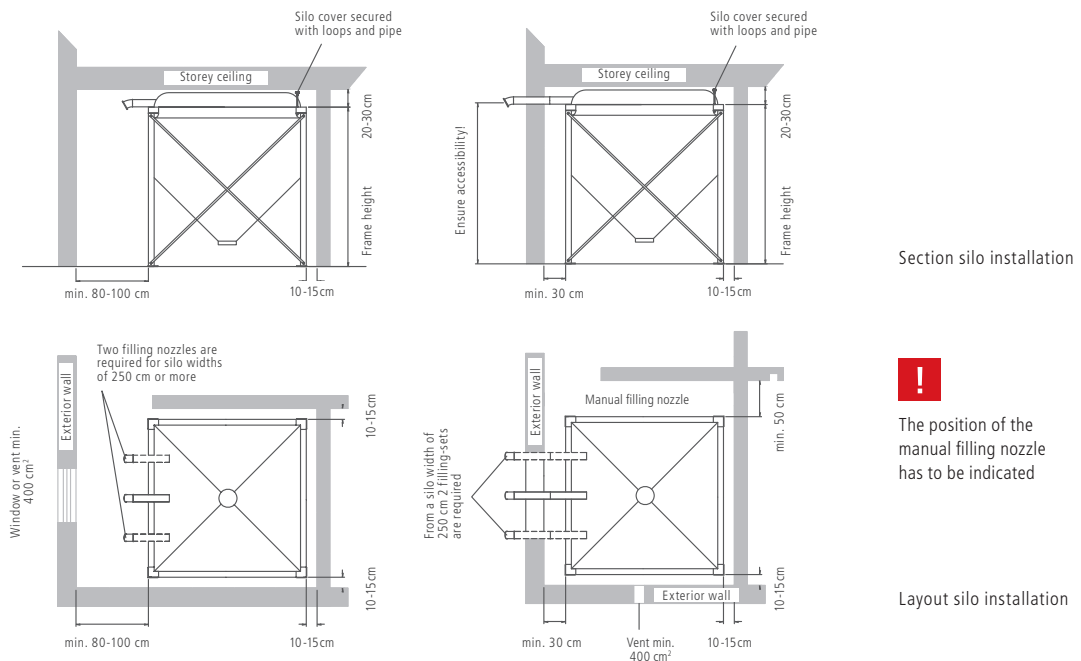
# Flexilo STANDARD: THE ONE FOR ALL SITUATIONS.



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.



# INSTALLATION EXAMPLE Flexilo STANDARD



## SCOPE OF DELIVERY

- ▶ Silo sack with sewn-in impact wall and inspection opening (manual filling nozzle)
- ▶ Galvanized steel frame as plug-in system including assembly material
- ▶ Filling system, standard position is lateral. Delivered with Storz A as standard.
- ▶ In case you require a different coupling, the price must be adapted
- ▶ Supporting structure for silo cover (1/2" pipe galvanized should be provided by the customer)
- ▶ Assembly instructions



Flexilo STANDARD  
with cone holding frame and second filling nozzle



Flexilo STANDARD  
without cone holding frame and one filling nozzle

! Our accessories for filling systems can be founded on page 44

# THE A.B.S. Flexilo STANDARD

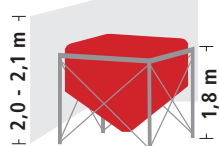
- up to 9,4 t 
- 2-3 weeks 
- Fast installation 
- low maintenance 
- cost-efficient 




## HIGHLIGHTS

- ▶ Simple and fast installation
- ▶ Easy and low maintenance
- ▶ Fast delivery

## Flexilo STANDARD




### Flexilo STANDARD FOR ROOM HEIGHT 2.0 - 2.1 m: FRAME HEIGHT 1.8 m




Type of silo Item No.	Frame length [mm]	Frame width [mm]	Frame height [mm]	Required room height [m]	Volume [m³]	Tonnage [t]	CH	Z	Price
HP12/16G	1.300	1.300	1.800	2,0 - 2,1	1,5 - 2,1	1,0 - 1,4			1.910,00 €
HP15X12/16G	1.600	1.300	1.800	2,0 - 2,1	1,8 - 2,5	1,2 - 1,6			1.925,00 €
HP15/16G	1.600	1.600	1.800	2,0 - 2,1	2,2 - 3,1	1,4 - 2,0			1.965,00 €
HP18X15/16G	1.900	1.600	1.800	2,0 - 2,1	2,4 - 3,4	1,6 - 2,4			1.985,00 €
<b>HP18/16G</b>	<b>1.900</b>	<b>1.900</b>	<b>1.800</b>	<b>2,0 - 2,1</b>	<b>2,9 - 4,1</b>	<b>1,9 - 2,7</b>			<b>1.855,00 €</b> 
HP21X18/16G	2.200	1.900	1.800	2,0 - 2,1	3,0 - 4,4	1,9 - 2,9			2.195,00 €
HP24X18/16G	2.500	1.900	1.800	2,0 - 2,1	3,0 - 4,6	2,0 - 3,0			2.490,00 €
<b>HP21/16G</b>	<b>2.200</b>	<b>2.200</b>	<b>1.800</b>	<b>2,0 - 2,1</b>	<b>3,5 - 5,2</b>	<b>2,3 - 3,4</b>			<b>2.230,00 €</b> 
HP24X21/16G	2.500	2.200	1.800	2,0 - 2,1	3,5 - 5,4	2,3 - 3,5			2.695,00 €
<b>HP24/16G</b>	<b>2.500</b>	<b>2.500</b>	<b>1.800</b>	<b>2,0 - 2,1</b>	<b>4,0 - 6,2</b>	<b>2,6 - 4,0</b>	✓	•	<b>2.510,00 €</b> 

### Flexilo STANDARD FOR ROOM HEIGHT 2.2 - 2.3 m: FRAME HEIGHT 2.0 m



Type of silo Item No.	Frame length [mm]	Frame width [mm]	Frame height [mm]	Required room height [m]	Volume [m³]	Tonnage [t]	CH	Z	Price
HP12/18G	1.300	1.300	2.000	2,2 - 2,3	1,8 - 2,4	1,2 - 1,6			1.945,00 €
HP15X12/18G	1.600	1.300	2.000	2,2 - 2,3	2,1 - 2,8	1,4 - 1,8			1.965,00 €
HP18X12/18G	1.900	1.300	2.000	2,2 - 2,3	2,3 - 3,2	1,5 - 2,1			2.015,00 €
HP15/18G	1.600	1.600	2.000	2,2 - 2,3	2,6 - 3,5	1,7 - 2,3			2.020,00 €
HP18X15/18G	1.900	1.600	2.000	2,2 - 2,3	2,9 - 4,0	1,9 - 2,6			2.020,00 €
HP21X15/18G	2.200	1.600	2.000	2,2 - 2,3	3,1 - 4,3	2,0 - 2,8			2.185,00 €
<b>HP18/18G</b>	<b>1.900</b>	<b>1.900</b>	<b>2.000</b>	<b>2,2 - 2,3</b>	<b>3,5 - 4,8</b>	<b>2,3 - 3,1</b>			<b>2.020,00 €</b> 
HP21X18/18G	2.200	1.900	2.000	2,2 - 2,3	3,7 - 5,2	2,4 - 3,4			2.220,00 €
HP24X18/18G	2.500	1.900	2.000	2,2 - 2,3	3,8 - 5,5	2,5 - 3,6			2.540,00 €
<b>HP21/18G</b>	<b>2.200</b>	<b>2.200</b>	<b>2.000</b>	<b>2,2 - 2,3</b>	<b>4,3 - 6,0</b>	<b>2,8 - 3,9</b>			<b>2.505,00 €</b> 
HP24X21/18G	2.500	2.200	2.000	2,2 - 2,3	4,5 - 6,4	2,9 - 4,2			3.200,00 €
HP28X21/18G	2.900	2.200	2.000	2,2 - 2,3	4,5 - 6,7	2,9 - 4,4			3.290,00 €
<b>HP24/18G</b>	<b>2.500</b>	<b>2.500</b>	<b>2.000</b>	<b>2,2 - 2,3</b>	<b>5,1 - 7,3</b>	<b>3,3 - 4,8</b>	✓	•	<b>2.920,00 €</b> 
HP28X24/18G	2.900	2.500	2.000	2,2 - 2,3	5,1 - 7,7	3,3 - 5,0	✓	•	3.290,00 €
HP28/18G	2.900	2.900	2.000	2,2 - 2,3	5,9 - 8,9	3,8 - 5,8	✓	•	3.315,00 €

CH = cone holding frame to keep the cone in better shape  
 Z = additional second filling nozzle included, to achieve a better filling degree  
 • • • = Position of the filling pipe - see on page 4  
**Freight costs: on request!**The prices are to be understood ex works, without VAT  
**Delivery:** 2 - 3 weeks after receipt of order and clarification of all commercial and technical details

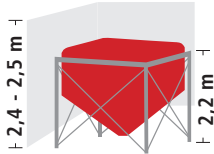
 = Special price advantage  All products are available in our online shop as well



We recommend using the Flexilo made of our MAXI fabric for a pellet boiler output of 50 kW and higher. Price on request. Our removal accessories for Flexilo can be found starting on page 37

Flexilo STANDARD FOR ROOM HEIGHT 2.4 - 2.5 m: FRAME HEIGHT 2.2 m

Type of silo Item No.	Frame length [mm]	Frame width [mm]	Frame height [mm]	Required room height [m]	Volume [m³]	Tonnage [t]	CH	Z	Price
HP12/20G	1.300	1.300	2.200	2,4 - 2,5	2,1 - 2,7	1,4 - 1,8			1.985,00 €
HP15X12/20G	1.600	1.300	2.200	2,4 - 2,5	2,5 - 3,2	1,6 - 2,1			2.005,00 €
HP18X12/20G	1.900	1.300	2.200	2,4 - 2,5	2,8 - 3,6	1,8 - 2,4			2.050,00 €
HP15/20G	1.600	1.600	2.200	2,4 - 2,5	3,1 - 4,0	2,0 - 2,6			2.075,00 €
HP18X15/20G	1.900	1.600	2.200	2,4 - 2,5	3,4 - 4,5	2,2 - 2,9			2.185,00 €
HP21X15/20G	2.200	1.600	2.200	2,4 - 2,5	3,7 - 5,0	2,4 - 3,2			2.510,00 €
<b>HP18/20G</b>	<b>1.900</b>	<b>1.900</b>	<b>2.200</b>	<b>2,4 - 2,5</b>	<b>4,1 - 5,4</b>	<b>2,7 - 3,5</b>			<b>2.050,00 €</b> 🚫
HP21X18/20G	2.200	1.900	2.200	2,4 - 2,5	4,4 - 5,9	2,9 - 3,9			2.545,00 €
HP24X18/20G	2.500	1.900	2.200	2,4 - 2,5	4,7 - 6,4	3,0 - 4,1			3.015,00 €
<b>HP21/20G</b>	<b>2.200</b>	<b>2.200</b>	<b>2.200</b>	<b>2,4 - 2,5</b>	<b>5,2 - 6,9</b>	<b>3,4 - 4,5</b>			<b>2.535,00 €</b> 🚫
HP24X21/20G	2.500	2.200	2.200	2,4 - 2,5	5,4 - 7,4	3,5 - 4,8			3.215,00 €
HP28X21/20G	2.900	2.200	2.200	2,4 - 2,5	5,6 - 7,9	3,6 - 5,1	✓		3.725,00 €
<b>HP24/20G</b>	<b>2.500</b>	<b>2.500</b>	<b>2.200</b>	<b>2,4 - 2,5</b>	<b>6,2 - 8,5</b>	<b>4,0 - 5,5</b>		✓ •	<b>2.965,00 €</b> 🚫
HP28X24/20G	2.900	2.500	2.200	2,4 - 2,5	6,4 - 9,0	4,2 - 5,9	✓	✓ •	4.445,00 €
HP28/20G	2.900	2.900	2.200	2,4 - 2,5	7,4 - 10,5	4,8 - 6,8	✓	✓ •	4.470,00 €



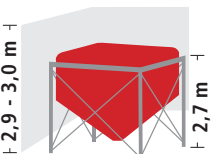
Flexilo STANDARD FOR ROOM HEIGHT 2.6 - 2.7 m: FRAME HEIGHT 2.4 m

Type of silo Item No.	Frame length [mm]	Frame width [mm]	Frame height [mm]	Required room height [m]	Volume [m³]	Tonnage [t]	CH	Z	Price
HP12/22G	1.300	1.300	2.400	2,6 - 2,7	2,4 - 3,0	1,5 - 1,9			2.025,00 €
HP15X12/22G	1.600	1.300	2.400	2,6 - 2,7	2,8 - 3,6	1,8 - 2,3			2.040,00 €
HP18X12/22G	1.900	1.300	2.400	2,6 - 2,7	3,2 - 4,1	2,1 - 2,6			2.215,00 €
HP15/22G	1.600	1.600	2.400	2,6 - 2,7	3,5 - 4,4	2,3 - 2,9			2.110,00 €
HP18X15/22G	1.900	1.600	2.400	2,6 - 2,7	3,9 - 5,1	2,6 - 3,3			2.220,00 €
HP21X15/22G	2.200	1.600	2.400	2,6 - 2,7	4,3 - 5,6	2,8 - 3,6			2.570,00 €
HP18/22G	1.900	1.900	2.400	2,6 - 2,7	4,7 - 6,1	3,1 - 3,9			2.260,00 €
HP21X18/22G	2.200	1.900	2.400	2,6 - 2,7	5,2 - 6,7	3,4 - 4,4			3.010,00 €
HP24X18/22G	2.500	1.900	2.400	2,6 - 2,7	5,5 - 7,2	3,6 - 4,7			3.075,00 €
HP21/22G	2.200	2.200	2.400	2,6 - 2,7	6,0 - 7,8	3,9 - 5,1			3.215,00 €
HP24X21/22G	2.500	2.200	2.400	2,6 - 2,7	6,4 - 8,4	4,2 - 5,5			3.280,00 €
HP28X21/22G	2.900	2.200	2.400	2,6 - 2,7	6,7 - 9,1	4,4 - 5,9	✓		4.375,00 €
HP24/22G	2.500	2.500	2.400	2,6 - 2,7	7,3 - 9,6	4,7 - 6,3		✓ •	3.265,00 €
HP28X24/22G	2.900	2.500	2.400	2,6 - 2,7	7,7 - 10,3	5,0 - 6,7	✓	✓ •	4.485,00 €
HP28/22G	2.900	2.900	2.400	2,6 - 2,7	8,9 - 12,0	5,8 - 7,8	✓	✓ •	4.550,00 €
HP30/22G	3.100	3.100	2.400	2,6 - 2,7	9,7 - 13,2	6,3 - 8,6	✓	✓ •	5.115,00 €



Flexilo STANDARD FOR ROOM HEIGHT 2.9 - 3.0 m: FRAME HEIGHT 2.7 m

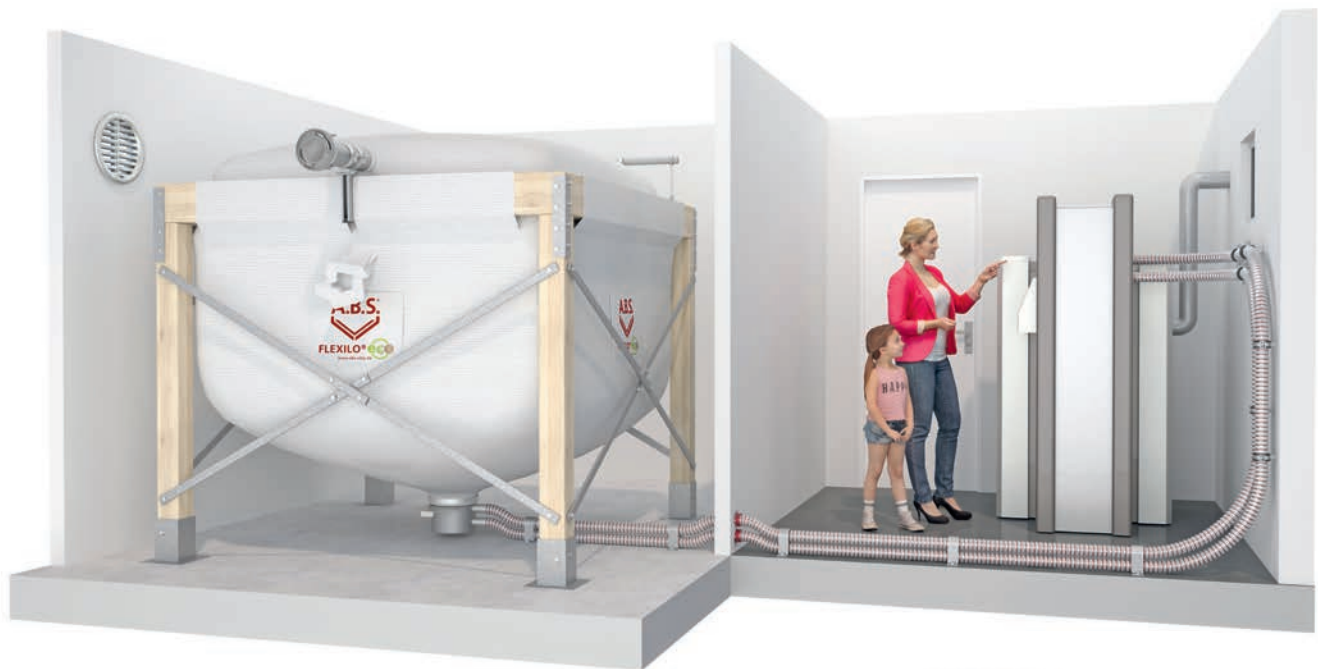
Type of silo Item No.	Frame length [mm]	Frame width [mm]	Frame height [mm]	Required room height [m]	Volume [m³]	Tonnage [t]	CH	Z	Price
HP12/25G	1.300	1.300	2.700	2,9 - 3,0	2,8 - 3,4	1,8 - 2,2			2.065,00 €
HP15X12/25G	1.600	1.300	2.700	2,9 - 3,0	3,3 - 4,1	2,2 - 2,7			2.070,00 €
HP18X12/25G	1.900	1.300	2.700	2,9 - 3,0	3,8 - 4,7	2,5 - 3,1			2.235,00 €
HP15/25G	1.600	1.600	2.700	2,9 - 3,0	4,1 - 5,1	2,7 - 3,3			2.215,00 €
HP18X15/25G	1.900	1.600	2.700	2,9 - 3,0	4,7 - 5,9	3,1 - 3,8			2.255,00 €
HP21X15/25G	2.200	1.600	2.700	2,9 - 3,0	5,2 - 6,5	3,4 - 4,3			3.000,00 €
HP18/25G	1.900	1.900	2.700	2,9 - 3,0	5,7 - 7,0	3,7 - 4,6			2.585,00 €
HP21X18/25G	2.200	1.900	2.700	2,9 - 3,0	6,3 - 7,8	4,1 - 5,1			3.050,00 €
HP24X18/25G	2.500	1.900	2.700	2,9 - 3,0	6,7 - 8,5	4,4 - 5,5			3.105,00 €
HP21/25G	2.200	2.200	2.700	2,9 - 3,0	7,3 - 9,1	4,7 - 5,9			3.255,00 €
HP24X21/25G	2.500	2.200	2.700	2,9 - 3,0	7,9 - 9,9	5,1 - 6,5			3.310,00 €
HP28X21/25G	2.900	2.200	2.700	2,9 - 3,0	8,4 - 10,8	5,5 - 7,0	✓		4.950,00 €
HP24/25G	2.500	2.500	2.700	2,9 - 3,0	9,0 - 11,3	5,8 - 7,4		✓ •	3.965,00 €
HP28X24/25G	2.900	2.500	2.700	2,9 - 3,0	9,6 - 12,4	6,2 - 8,0	✓	✓ •	5.100,00 €
HP28/25G	2.900	2.900	2.700	2,9 - 3,0	10,0 - 13,2	6,5 - 8,6	✓	✓ •	5.160,00 €
HP30/25G	3.100	3.100	2.700	2,9 - 3,0	10,8 - 14,4	7,0 - 9,4	✓	✓ •	6.185,00 €



# Flexilo ECO:

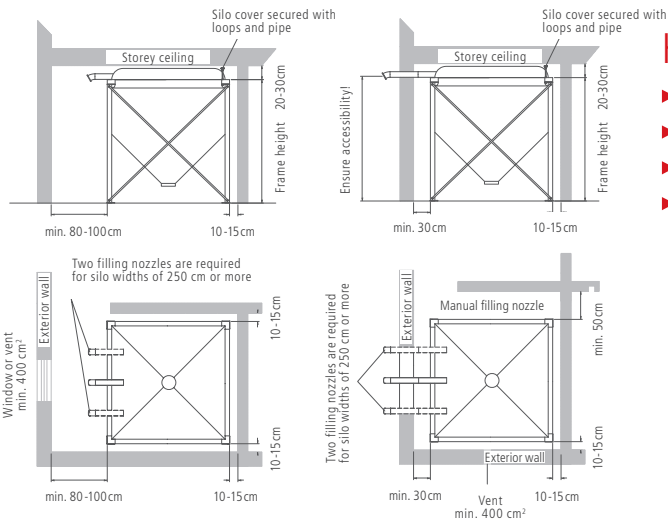
ECO-FRIENDLY ALL AROUND.

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 A.B.S. Flexilo ECO



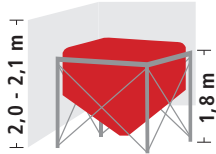
## HIGHLIGHTS

- ▶ Simple and fast installation
- ▶ Easy and low maintenance
- ▶ Fast delivery
- ▶ Discharge and outlet can be adapted to almost every boiler

- up to 5,5 t
- 2-3 weeks
- Fast installation within 2 h
- low maintenance
- cost-efficient
- compatible to all wood pellet boilers

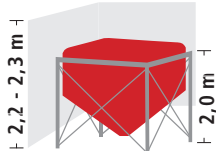
## Flexilo ECO

### Flexilo ECO FOR ROOM HEIGHT 2.0 - 2.1 m: FRAME HEIGHT 1.8 m



Type of silo Item No.	Frame length [mm]	Frame width [mm]	Frame height [mm]	Required room height [m]	Volume [m³]	Tonnage [t]	Z	Price
<b>HP-E18/16G</b>	<b>1.900</b>	<b>1.900</b>	<b>1.800</b>	<b>2,0 - 2,1</b>	<b>2,9 - 4,1</b>	<b>1,9 - 2,7</b>		<b>1.730,00 €</b>
HP-E21X18/16G	2.200	1.900	1.800	2,0 - 2,1	3,0 - 4,4	1,9 - 2,9		1.960,00 €
HP-E24X18/16G	2.500	1.900	1.800	2,0 - 2,1	3,0 - 4,6	2,0 - 3,0		1.990,00 €
<b>HP-E21/16G</b>	<b>2.200</b>	<b>2.200</b>	<b>1.800</b>	<b>2,0 - 2,1</b>	<b>3,5 - 5,2</b>	<b>2,3 - 3,4</b>		<b>2.070,00 €</b>
HP-E24X21/16G	2.500	2.200	1.800	2,0 - 2,1	3,5 - 5,4	2,3 - 3,5		2.210,00 €
<b>HP-E24/16G</b>	<b>2.500</b>	<b>2.500</b>	<b>1.800</b>	<b>2,0 - 2,1</b>	<b>4,0 - 6,2</b>	<b>2,6 - 4,0</b>	✓ •	<b>2.140,00 €</b>

### Flexilo ECO FOR ROOM HEIGHT 2.2 - 2.3 m: FRAME HEIGHT 2.0 m



Type of silo Item No.	Frame length [mm]	Frame width [mm]	Frame height [mm]	Required room height [m]	Volume [m³]	Tonnage [t]	Z	Price
<b>HP-E18/18G</b>	<b>1.900</b>	<b>1.900</b>	<b>2.000</b>	<b>2,2 - 2,3</b>	<b>3,5 - 4,8</b>	<b>2,3 - 3,1</b>		<b>1.785,00 €</b>
HP-E21X18/18G	2.200	1.900	2.000	2,2 - 2,3	3,7 - 5,2	2,4 - 3,4		2.025,00 €
HP-E24X18/18G	2.500	1.900	2.000	2,2 - 2,3	3,8 - 5,5	2,5 - 3,6		2.050,00 €
<b>HP-E21/18G</b>	<b>2.200</b>	<b>2.200</b>	<b>2.000</b>	<b>2,2 - 2,3</b>	<b>4,3 - 6,0</b>	<b>2,8 - 3,9</b>		<b>2.125,00 €</b>
HP-E24X21/18G	2.500	2.200	2.000	2,2 - 2,3	4,5 - 6,4	2,9 - 4,2		2.275,00 €
<b>HP-E24/18G</b>	<b>2.500</b>	<b>2.500</b>	<b>2.000</b>	<b>2,2 - 2,3</b>	<b>5,1 - 7,3</b>	<b>3,3 - 4,8</b>	✓ •	<b>2.235,00 €</b>

### Flexilo ECO FOR ROOM HEIGHT 2.4 - 2.5 m: FRAME HEIGHT 2.2 m



Type of silo Item No.	Frame length [mm]	Frame width [mm]	Frame height [mm]	Required room height [m]	Volume [m³]	Tonnage [t]	Z	Price
<b>HP-E18/20G</b>	<b>1.900</b>	<b>1.900</b>	<b>2.200</b>	<b>2,4 - 2,5</b>	<b>4,1 - 5,4</b>	<b>2,7 - 3,5</b>		<b>1.820,00 €</b>
HP-E21X18/20G	2.200	1.900	2.200	2,4 - 2,5	4,4 - 5,9	2,9 - 3,9		2.060,00 €
HP-E24X18/20G	2.500	1.900	2.200	2,4 - 2,5	4,7 - 6,4	3,0 - 4,1		2.090,00 €
<b>HP-E21/20G</b>	<b>2.200</b>	<b>2.200</b>	<b>2.200</b>	<b>2,4 - 2,5</b>	<b>5,2 - 6,9</b>	<b>3,4 - 4,5</b>		<b>2.160,00 €</b>
HP-E24X21/20G	2.500	2.200	2.200	2,4 - 2,5	5,4 - 7,4	3,5 - 4,8		2.315,00 €
<b>HP-E24/20G</b>	<b>2.500</b>	<b>2.500</b>	<b>2.200</b>	<b>2,4 - 2,5</b>	<b>6,2 - 8,5</b>	<b>4,0 - 5,5</b>	✓ •	<b>2.240,00 €</b>

Z = additional second filling nozzle included, to achieve a better filling degree

• = Position of the filling pipe - see on page 4

**Freight costs: on request!**The prices are to be understood ex works, without VAT

**Delivery:** 2 - 3 weeks after receipt of order and clarification

of all commercial and technical details

= Special price advantage All products are available in our online shop as well



Our extraction accessories for Flexilo ECO can be found starting on page 37



# 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 m<sup>3</sup> – 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.





# THE A.B.S. Flexilo MAXI

## HIGHLIGHTS

- ▶ Maximum use of space, i.e. large storage capacity with small space requirements
- ▶ Steel frame is delivered in individual parts, therefore it can also be assembled in very inaccessible locations
- ▶ Discharge and outlet can be adapted to almost every boiler

## SCOPE OF DELIVERY

- ▶ Silo bag
- ▶ Steel frame including cone holding frame, base grounded and assembly material
- ▶ Filling system centered above the silo.
- ▶ Assembly instructions



up to 34,4 t



4-6 weeks



Maximum use of space



compatible to all wood pellet boilers

Our team is happy to advise you with the planning of your silo system.

## Flexilo MAXI

FRAME DIMENSIONS 3,800 x 3,800 mm					
Type of silo	Volume [m³]	Tonnage [t]	Frame height [mm]	Required room height [m]	
HPM36/61G	53,0	34,4	6,6	7,40	
HPM36/57G	49,0	31,8	6,2	7,00	
HPM36/47G	36,5	23,7	5,2	6,00	
HPM36/41G	32,5	21,1	4,6	5,50	
HPM36/36G	26,5	17,2	4,1	5,00	
FRAME DIMENSIONS 3,600 x 3,600 mm					
Type of silo	Volume [m³]	Tonnage [t]	Frame height [mm]	Required room height [m]	
HPM34/58G	45,5	29,5	6,30	7,00	
HPM34/47G	34,0	22,1	5,20	6,00	
HPM34/38G	26,5	17,2	4,30	5,20	
HPM34/36G	24,5	16,0	4,10	5,00	
FRAME DIMENSIONS 3,200 x 3,200 mm					
Type of silo	Volume [m³]	Tonnage [t]	Frame height [mm]	Required room height [m]	
HPM30/58G	37,5	24,4	6,30	7,00	
HPM30/55G	35,0	22,8	6,00	6,70	
HPM30/47G	30,0	19,5	5,20	6,00	
HPM30/43G	26,5	17,2	4,80	5,60	
HPM30/37G	21,5	14,0	4,20	5,00	
HPM30/31G	16,5	10,8	3,60	4,40	
FRAME DIMENSIONS 2,500 x 2,500 mm					
Type of silo	Volume [m³]	Tonnage [t]	Frame height [mm]	Required room height [m]	
HPM24/59G	27,0	17,6	6,40	7,00	
HPM24/56G	25,2	16,4	6,10	6,70	
HPM24/49G	21,5	14,0	5,40	6,00	
HPM24/46G	20,0	13,0	5,10	5,70	
HPM24/38G	15,5	10,0	4,30	5,00	

Prices on request

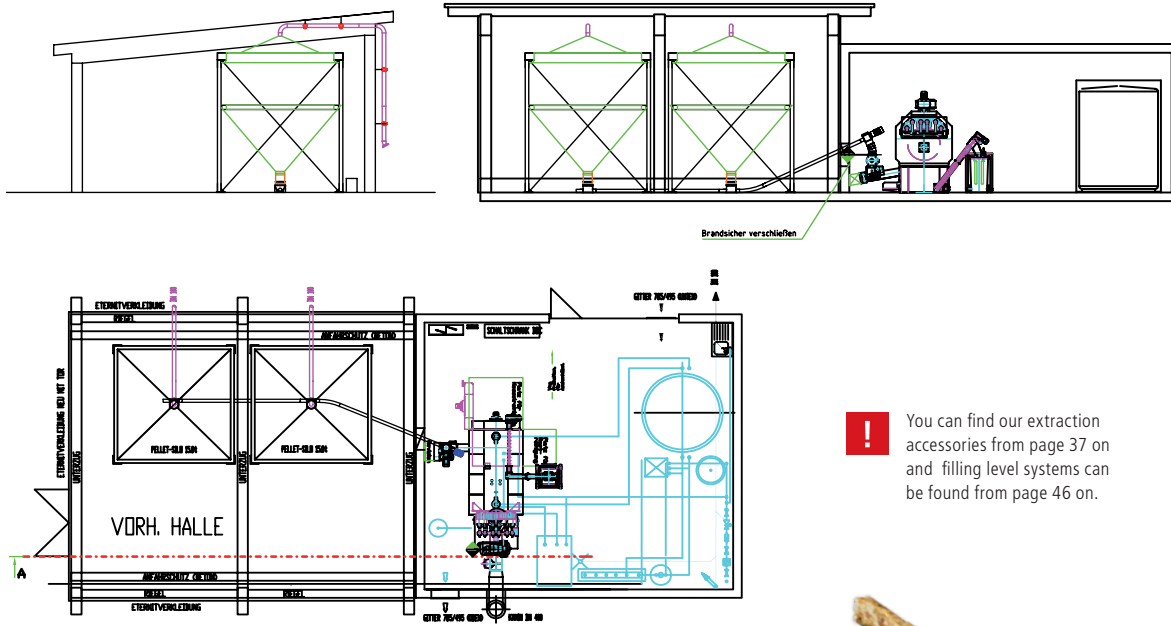
**Freight costs: on request!** The prices are to be understood ex works, without VAT

**Delivery:** 4 - 6 weeks after receipt of order and clarification of all commercial and technical details



In the planning stage, please observe information provided in the chapter "Requirements for the installation site", page 51  
Please observe the current Firing Ordinance applicable in your country

# INSTALLATION EXAMPLE Flexilo MAXI



**!** You can find our extraction accessories from page 37 on and filling level systems can be found from page 46 on.



Storage cascade comprising Flexilo Maxi (30 t) for 100 kW pellet heating system in a grammar school









# 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.



# THE A.B.S. Flexilo OUTDOOR

## HIGHLIGHTS

- ▶ Structurally tested
- ▶ No formation of condensate
- ▶ No planning permission required



up to 27,4 t



4-5 weeks



Weather protection



No planning permission

## Flexilo OUTDOOR IN THE SIMPLE FRAME

FRAME DIMENSIONS 1,900 x 1,900 mm							
Type of silo Item No.	Volume [m³]	Tonnage [t]	Frame length [mm]	Frame width [mm]	Frame height -roof [mm]	Price	
HP-A18/28G	6,6	4,3	1.900	1.900	3.800	8.855,00 €	
HP-A18/40G	10,2	6,6	1.900	1.900	5.000	10.460,00 €	

FRAME DIMENSIONS 2.200 x 2.200 mm							
Type of silo Item No.	Volume [m³]	Tonnage [t]	Frame length [mm]	Frame width [mm]	Frame height -roof [mm]	Price	
HP-A21/38G	12,5	8,1	2.200	2.200	4.900	10.235,00 €	
HP-A21/45G	15,4	10,0	2.200	2.200	5.600	11.830,00 €*	

FRAME DIMENSIONS 2.500 x 2.500 mm							
Type of silo Item No.	Volume [m³]	Tonnage [t]	Frame length [mm]	Frame width [mm]	Frame height -roof [mm]	Price	
HP-A24/35G	14,1	9,2	2.500	2.500	4.700	12.805,00 €*	
HP-A24/48G	21,1	13,7	2.500	2.500	6.000	15.385,00 €*	

## Flexilo OUTDOOR IN THE DOUBLE FRAME

FRAME DIMENSIONS 3.850 x 1.900 mm							
Type of silo Item No.	Volume [m³]	Tonnage [t]	Frame length [mm]	Frame width [mm]	Frame height -roof [mm]	Price	
HP-A18/28DG	2 x 6,6	8,6	3.850	1.900	3.800	15.500,00 €	
HP-A18/40DG	2 x 10,2	13,3	3.850	1.900	5.000	18.305,00 €	

FRAME DIMENSIONS 4.450 x 2.200 mm							
Type of silo Item No.	Volume [m³]	Tonnage [t]	Frame length [mm]	Frame width [mm]	Frame height -roof [mm]	Price	
HP-A21/38DG	2 x 12,5	16,3	4.450	2.200	4.900	17.915,00 €	
HP-A21/45DG	2 x 15,4	20,0	4.450	2.200	5.600	20.705,00 €*	

FRAME DIMENSIONS 5.050 x 2.500 mm							
Type of silo Item No.	Volume [m³]	Tonnage [t]	Frame length [mm]	Frame width [mm]	Frame height -roof [mm]	Price	
HP-A24/35DG	2 x 14,1	18,3	5.050	2.500	4.700	22.410,00 €*	
HP-A24/48DG	2 x 21,1	27,4	5.050	2.500	6.000	26.925,00 €*	

**Freight costs: on request!** The prices are to be understood ex works, without VAT  
**Scope of delivery:** incl. filling system, assembly instructions, without extraction  
**Delivery:** 4 - 5 weeks after receipt of order and clarification of all commercial and technical details



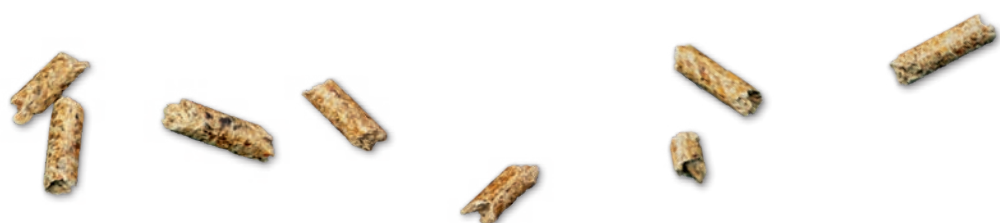
You will find our discharging accessories for the Flexilo OUTDOOR on page 37  
 Foundation should be provided by the customer

\* Made of the MAXI fabric

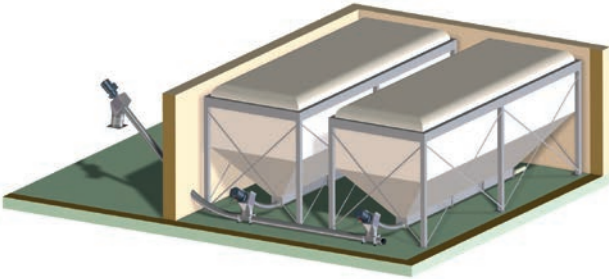
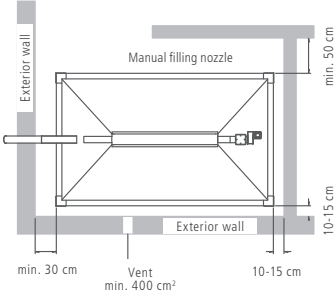
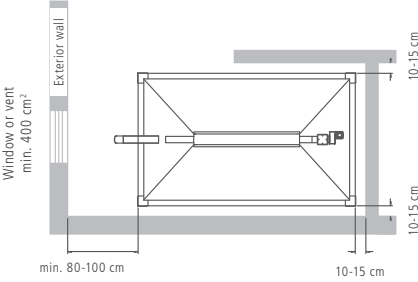
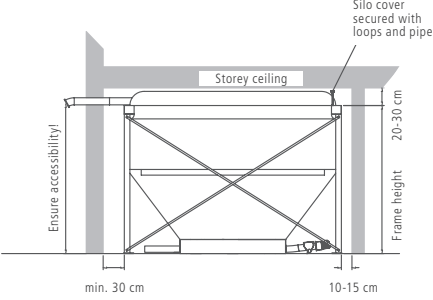
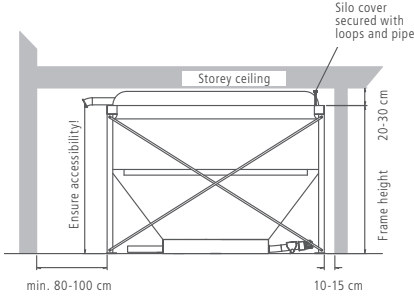
# Flexilo TROUGH

THE RELIABLE ALTERNATIVE.

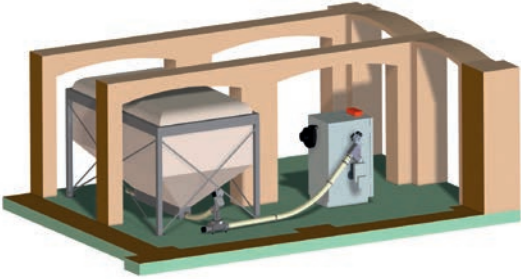
Proven functions, different shape: The Flexilo TROUGH offers the same advantages as all other A.B.S pellet silos, but with a design that resembles a bunker with an inclined floor. This silo is particularly suitable for narrow, low rooms, e.g. in older buildings or vaulted cellars, making optimum use 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.



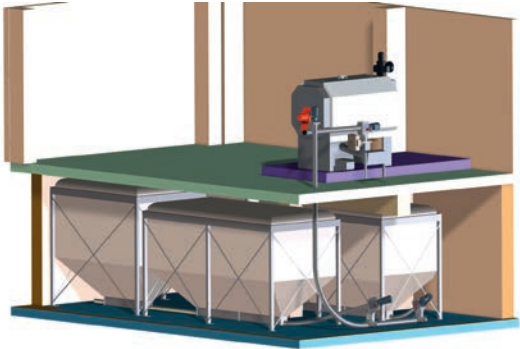
# INSTALLATION EXAMPLE Flexilo TROUGH



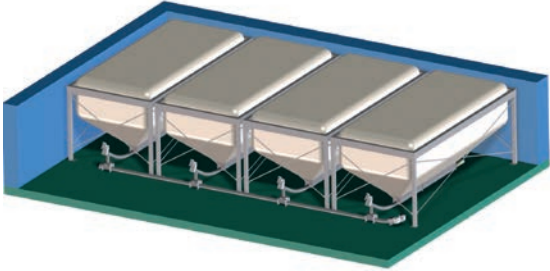
2 Flexilo TROUGH with transfer hopper to cross spiral and direct feed



Flexilo TROUGH with transfer hopper to cross spiral and direct feed



4 Flexilo TROUGH with transfer hopper to cross spiral and direct feed



4 Flexilo TROUGH with transfer hopper to cross spiral with suction point

# THE A.B.S. Flexilo TROUGH

up to 9,4 t



2-3 weeks



Suitable for narrow, low rooms



Discharge unit well accessible



## HIGHLIGHTS

- ▶ The silo form ensures optimum utilisation of space
- ▶ Especially suitable for narrow and low rooms (e.g. in old buildings, vaulted cellars)
- ▶ Extraction over suction system or by direct feed
- ▶ Good accessibility of the discharging unit

**We would be pleased to assist you with planning your silo.**

## SCOPE OF DELIVERY

- ▶ Silo bag with sewn-in impact wall and inspection opening (manual filling nozzle)
- ▶ Galvanized steel frame as plug-in system or base grounded version\* including assembly material
- ▶ Filling system, standard position is lateral
- ▶ Spiral including conveyor trough and drive unit with suction point\*\*
- ▶ Supporting structure for silo cover (1/2" pipe galvanized should be provided by the customer)
- ▶ Assembly instructions

\* Depending on silo size

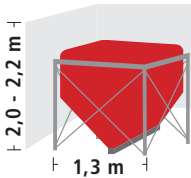
\*\* Extension or direct feed by request



## Flexilo TROUGH

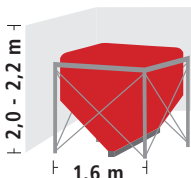
With fabric cone including spiral with suction point

### Flexilo TROUGH FOR ROOM HEIGHT 2.0 - 2.2 m: FRAME WIDTH 1,300 mm



Type of silo Item No.	Frame length [mm]	Frame width [mm]	Frame height [mm]	Required room height [m]	Total length discharging unit [mm]	Volume [m <sup>3</sup> ]	Tonnage [t]	Price
HP-TG30x12/16	3.100	1.300	1.800	2,0 - 2,2	3.150	4,3 - 6,0	2,8 - 3,9	7.760,00 €
HP-TG35x12/16	3.600	1.300	1.800	2,0 - 2,2	3.650	5,0 - 7,0	3,3 - 4,6	9.670,00 €
HP-TG45x12/16	4.600	1.300	1.800	2,0 - 2,2	4.650	5,5 - 7,8	3,6 - 5,1	12.215,00 €* *

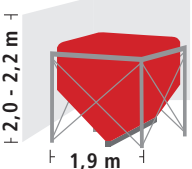
### Flexilo TROUGH FOR ROOM HEIGHT 2.0 - 2.2 m: FRAME WIDTH 1,600 mm



Type of silo Item No.	Frame length [mm]	Frame width [mm]	Frame height [mm]	Required room height [m]	Total length discharging unit [mm]	Volume [m <sup>3</sup> ]	Tonnage [t]	Price
HP-TG30x15/16	3.100	1.600	1.800	2,0 - 2,2	2.650	4,8 - 7,0	3,1 - 4,5	6.825,00 €
HP-TG35x15/16	3.600	1.600	1.800	2,0 - 2,2	3.150	5,6 - 8,2	3,6 - 5,3	9.375,00 €
HP-TG45x15/16	4.600	1.600	1.800	2,0 - 2,2	4.150	6,5 - 9,5	4,2 - 6,2	11.215,00 €* **

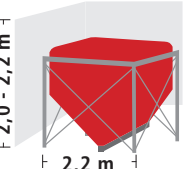
\*\* divided Version





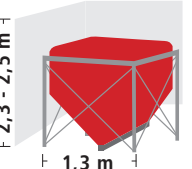
**Flexilo TROUGH FOR ROOM HEIGHT 2.0 - 2.2 m: FRAME WIDTH 1,900 mm**

Type of silo Item No.	Frame length [mm]	Frame width [mm]	Frame height [mm]	Required room height [m]	Total length discharging unit [mm]	Volume [m <sup>3</sup> ]	Tonnage [t]	Price
<b>HP-TG30x18/16</b>	<b>3.100</b>	<b>1.900</b>	<b>1.800</b>	<b>2,0 - 2,2</b>	<b>2.650</b>	<b>5,2 - 7,8</b>	<b>3,4 - 5,1</b>	<b>7.365,00 €</b> 🚚
HP-TG35x18/16	3.600	1.900	1.800	2,0 - 2,2	3.150	6,1 - 9,2	4,0 - 6,0	9.425,00 €
HP-TG40x18/16	4.100	1.900	1.800	2,0 - 2,2	3.650	6,5 - 9,6	4,2 - 6,3	10.860,00 €* <sup>*</sup>
HP-TG45x18/16	4.600	1.900	1.800	2,0 - 2,2	4.150	7,4 - 10,9	4,8 - 7,1	11.265,00 €* <sup>*</sup>



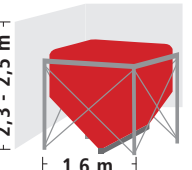
**Flexilo TROUGH FOR ROOM HEIGHT 2.0 - 2.2 m: FRAME WIDTH 2,200 mm**

Type of silo Item No.	Frame length [mm]	Frame width [mm]	Frame height [mm]	Required room height [m]	Total length discharging unit [mm]	Volume [m <sup>3</sup> ]	Tonnage [t]	Price
<b>HP-TG30x21/16</b>	<b>3.100</b>	<b>2.200</b>	<b>1.800</b>	<b>2,0 - 2,2</b>	<b>2.650</b>	<b>5,4 - 8,2</b>	<b>3,5 - 5,3</b>	<b>7.415,00 €</b> 🚚
HP-TG35x21/16	3.600	2.200	1.800	2,0 - 2,2	3.150	6,4 - 9,8	4,2 - 6,3	9.475,00 €
HP-TG40x21/16	4.100	2.200	1.800	2,0 - 2,2	3.150	6,7 - 10,5	4,4 - 6,8	10.575,00 €* <sup>*</sup>
HP-TG45x21/16	4.600	2.200	1.800	2,0 - 2,2	3.650	7,7 - 11,9	5,0 - 7,8	10.985,00 €* <sup>*</sup>



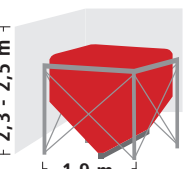
**Flexilo TROUGH FOR ROOM HEIGHT 2.3 - 2.5 m: FRAME WIDTH 1,300 mm**

Type of silo Item No.	Frame length [mm]	Frame width [mm]	Frame height [mm]	Required room height [m]	Total length discharging unit [mm]	Volume [m <sup>3</sup> ]	Tonnage [t]	Price
<b>HP-TG30x12/19</b>	<b>3.100</b>	<b>1.300</b>	<b>2.100</b>	<b>2,3 - 2,5</b>	<b>3.150</b>	<b>5,3 - 7,1</b>	<b>3,4 - 4,6</b>	<b>8.295,00 €</b> 🚚
HP-TG35x12/19	3.600	1.300	2.100	2,3 - 2,5	3.650	6,3 - 8,3	4,1 - 5,4	9.715,00 €
HP-TG45x12/19	4.600	1.300	2.100	2,3 - 2,5	4.650	6,9 - 9,2	4,5 - 5,9	12.210,00 €* <sup>*</sup>



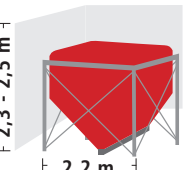
**Flexilo TROUGH FOR ROOM HEIGHT 2.3 - 2.5 m: FRAME WIDTH 1,600 mm**

Type of silo Item No.	Frame length [mm]	Frame width [mm]	Frame height [mm]	Required room height [m]	Total length discharging unit [mm]	Volume [m <sup>3</sup> ]	Tonnage [t]	Price
<b>HP-TG30x15/19</b>	<b>3.100</b>	<b>1.600</b>	<b>2.100</b>	<b>2,3 - 2,5</b>	<b>2.650</b>	<b>6,1 - 8,3</b>	<b>4,0 - 5,4</b>	<b>7.370,00 €</b> 🚚
HP-TG35x15/19	3.600	1.600	2.100	2,3 - 2,5	3.150	7,2 - 9,8	4,7 - 6,3	10.325,00 €
HP-TG45x15/19	4.600	1.600	2.100	2,3 - 2,5	4.150	8,3 - 11,2	5,4 - 7,3	11.235,00 €* <sup>*</sup>



**Flexilo TROUGH FOR ROOM HEIGHT 2.3 - 2.5 m: FRAME WIDTH 1,900 mm**

Type of silo Item No.	Frame length [mm]	Frame width [mm]	Frame height [mm]	Required room height [m]	Total length discharging unit [mm]	Volume [m <sup>3</sup> ]	Tonnage [t]	Price
<b>HP-TG30x18/19</b>	<b>3.100</b>	<b>1.900</b>	<b>2.100</b>	<b>2,3 - 2,5</b>	<b>2.650</b>	<b>6,8 - 9,4</b>	<b>4,4 - 6,1</b>	<b>7.420,00 €</b> 🚚
HP-TG35x18/19	3.600	1.900	2.100	2,3 - 2,5	3.150	8,0 - 10,5	5,2 - 6,8	10.380,00 €
HP-TG40x18/19	4.100	1.900	2.100	2,3 - 2,5	3.650	8,3 - 11,5	5,4 - 7,5	10.925,00 €* <sup>*</sup>
HP-TG45x18/19	4.600	1.900	2.100	2,3 - 2,5	4.150	9,5 - 13,0	6,2 - 8,5	11.340,00 €* <sup>*</sup>



**Flexilo TROUGH FOR ROOM HEIGHT 2.3 - 2.5 m: FRAME WIDTH 2,200 mm**

Type of silo Item No.	Frame length [mm]	Frame width [mm]	Frame height [mm]	Required room height [m]	Total length discharging unit [mm]	Volume [m <sup>3</sup> ]	Tonnage [t]	Price
<b>HP-TG30x21/19</b>	<b>3.100</b>	<b>2.200</b>	<b>2.100</b>	<b>2,3 - 2,5</b>	<b>2.650</b>	<b>7,2 - 10,1</b>	<b>4,7 - 6,6</b>	<b>7.475,00 €</b> 🚚
HP-TG35x21/19	3.600	2.200	2.100	2,3 - 2,5	3.150	7,9 - 10,9	5,1 - 7,1	10.430,00 €
HP-TG40x21/19	4.100	2.200	2.100	2,3 - 2,5	3.150	8,9 - 12,7	5,8 - 8,2	10.640,00 €* <sup>*</sup>
HP-TG45x21/19	4.600	2.200	2.100	2,3 - 2,5	3.650	10,2 - 14,4	6,6 - 9,4	11.060,00 €* <sup>*</sup>

**Freight costs: on request!**The prices are to be understood ex works, without VAT

**Delivery:** 2 - 3 weeks after receipt of order and clarification of all commercial and technical details

🚚 = Special price advantage 🛒 All products are available in our online shop as well



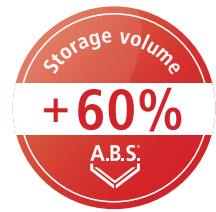
We recommend using the Flexilo made from our MAXI fabric for a pellet boiler output of 50 kW and higher. Price on request

\* divided Version

# 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.



# THE A.B.S. Flexilo SPRING

## HIGHLIGHTS

- ▶ Maximum storage capacity: up to 60 % more with the same storage space
- ▶ High operational safety thanks to approved and tested spiral conveying system
- ▶ Very maintenance-friendly thanks to a good accessibility of the discharging unit

## SCOPE OF DELIVERY

- ▶ Silo bag with sewn-in impact wall and inspection opening (manual filling nozzle)
- ▶ Galvanized steel frame as plug-in system including assembly material
- ▶ Appropriate filling system (standard position is lateral – 1 x)
- ▶ Spiral including conveyor trough and drive unit with suction point\*
- ▶ supporting structure for silo cover (½" pipe galvanized should be provided by the customer)
- ▶ Assembly instructions

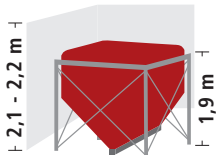
\* Extension or direct feed by request



-  up to 6,8 t
-  2-3 weeks
-  reliable cross spiral
-  60 % more storage-volume
-  Discharge-unit well accessible



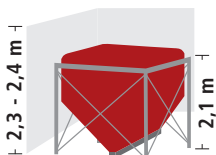
## Flexilo SPRING



### Flexilo SPRING FOR ROOM HEIGHT 2.1 - 2.2 m: FRAME HEIGHT 1.9 m



Type of silo Item no.	Frame length [mm]	Frame width [mm]	Frame height [mm]	Total length discharging unit [mm]	Volume [m³]	Tonnage [t]	Price
HP-F18X15/17	1.900	1.600	1.900	2.150	4,1 - 5,1	2,7 - 3,3	6.320,00 €
<b>HP-F18/17</b>	<b>1.900</b>	<b>1.900</b>	<b>1.900</b>	<b>2.150</b>	<b>4,8 - 6,1</b>	<b>3,1 - 3,9</b>	<b>7.090,00 €</b> 
HP-F21X15/17	2.200	1.600	1.900	2.650	4,8 - 6,0	3,1 - 3,9	5.855,00 €
HP-F21X18/17	2.200	1.900	1.900	2.650	5,6 - 7,1	3,7 - 4,6	7.530,00 €
<b>HP-F21/17</b>	<b>2.200</b>	<b>2.200</b>	<b>1.900</b>	<b>2.650</b>	<b>6,5 - 8,2</b>	<b>4,2 - 5,3</b>	<b>8.690,00 €</b> 
HP-F24X18/17	2.500	1.900	1.900	3.150	6,4 - 8,1	4,2 - 5,3	7.290,00 €
HP-F24X21/17	2.500	2.200	1.900	3.150	7,4 - 9,4	4,8 - 6,1	9.145,00 €


### Flexilo SPRING FOR ROOM HEIGHT 2.3 - 2.4 m: FRAME HEIGHT 2.1 m



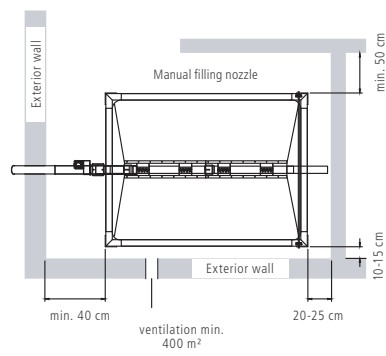
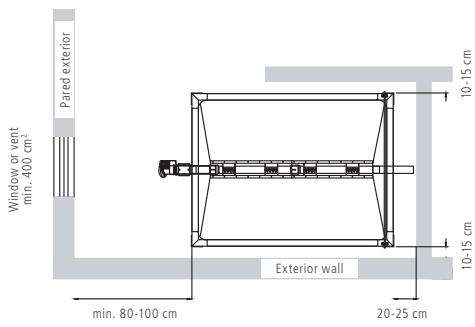
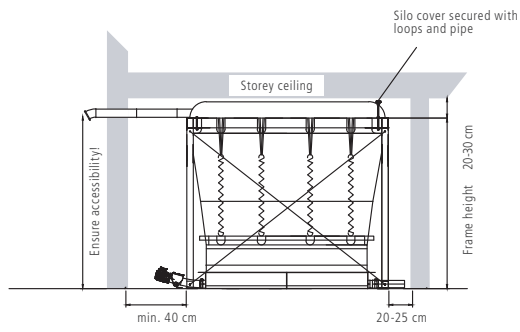
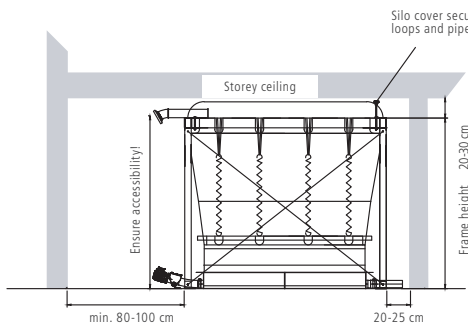
Type of silo Item no.	Frame length [mm]	Frame width [mm]	Frame height [mm]	Total length discharging unit [mm]	Volume [m³]	Tonnage [t]	Price
HP-F18X15/19	1.900	1.600	2.100	2.150	4,6 - 5,6	3,0 - 3,7	6.365,00 €
<b>HP-F18/19</b>	<b>1.900</b>	<b>1.900</b>	<b>2.100</b>	<b>2.150</b>	<b>5,4 - 6,7</b>	<b>3,5 - 4,4</b>	<b>7.550,00 €</b> 
HP-F21X15/19	2.200	1.600	2.100	2.650	5,4 - 6,6	3,5 - 4,3	6.100,00 €
HP-F21X18/19	2.200	1.900	2.100	2.650	6,4 - 7,8	4,1 - 5,1	7.560,00 €
<b>HP-F21/19</b>	<b>2.200</b>	<b>2.200</b>	<b>2.100</b>	<b>2.650</b>	<b>7,3 - 9,1</b>	<b>4,8 - 5,9</b>	<b>8.730,00 €</b> 
HP-F24X18/19	2.500	1.900	2.100	3.150	7,3 - 9,0	4,7 - 5,8	7.330,00 €
HP-F24X21/19	2.500	2.200	2.100	3.150	8,4 - 10,4	5,5 - 6,8	9.715,00 €

**Freight costs: on request!** The prices are to be understood ex works, without VAT

**Delivery:** 2 - 3 weeks after receipt of order and clarification of all commercial and technical details

 = Special price advantage  All products are available in our online shop as well

# INSTALLATION EXAMPLE Flexilo SPRING





Flexilo SPING  
filled



Flexilo SPING  
empty

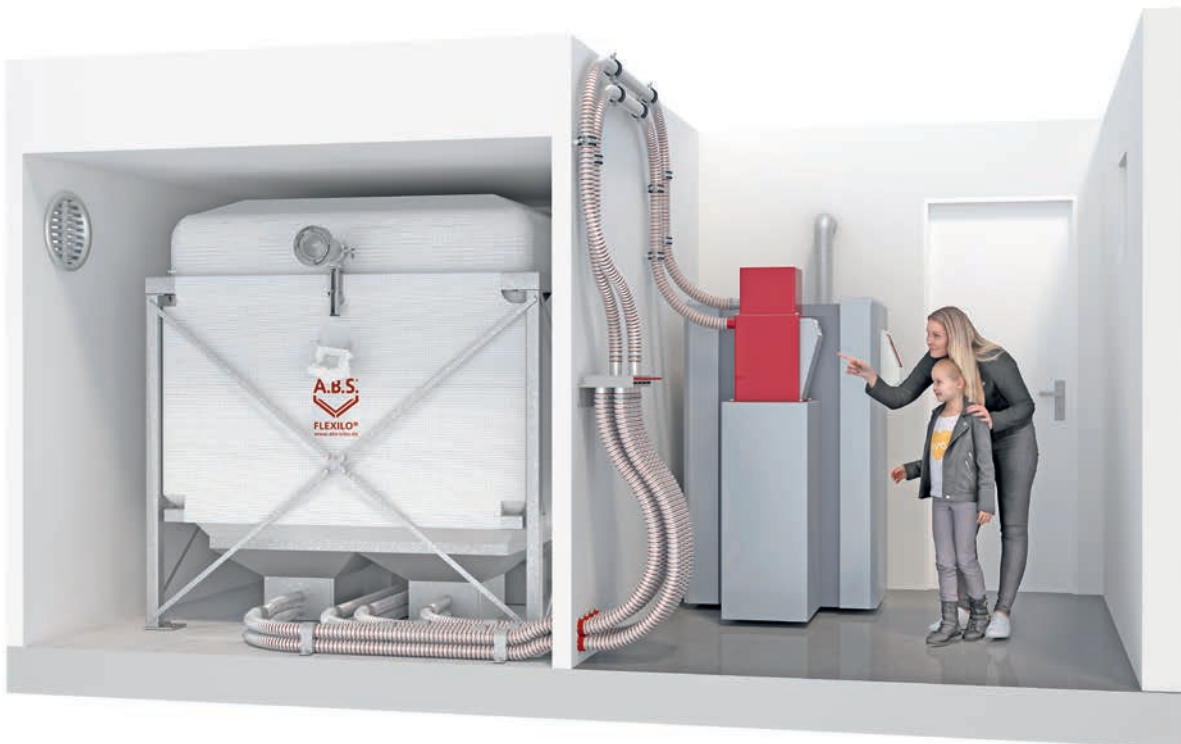
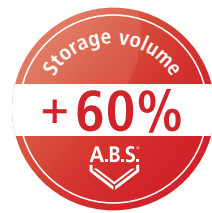


We recommend using the Flexilo made from our MAXI fabric for a pellet boiler output of 50 kW and higher. Price on request

# Flexilo® MODULE

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.









# THE A.B.S. Flexilo MODULE

## HIGHLIGHTS

- ▶ High filling volume: Up to 60% more with the same floor space
- ▶ For spaces with heights starting at 1.80 m – ideal for area rehabilitations
- ▶ Complete emptying due to the innovative arrangement of the suction probes on the silo floor
- ▶ High operational safety when suction probes are provided by the respective boiler manufacturer
- ▶ Also suitable for rooms with basement humidity

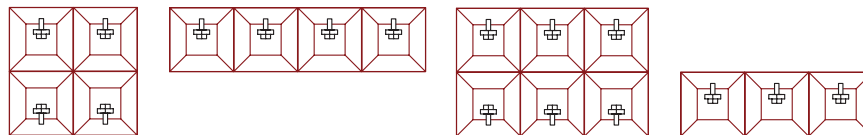
## SCOPE OF DELIVERY

- ▶ Silo sack with sewn-in impact wall and inspection opening (manual filling nozzle)
- ▶ Galvanized steel frame as plug-in system including assembly material
- ▶ Filling system, standard position is lateral.
- ▶ Supporting structure for silo cover (½" pipe galvanized should be provided by the customer)
- ▶ Modules (without suction probes)
- ▶ Assembly instructions

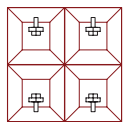
-  up to 8,8 t
-  2-3 weeks
-  60 % more storage volume
-  For rooms of a height of 1,80 m and higher

## POSSIBLE ARRANGEMENTS

The heating owners can switch either manually by a discharge module to another or decide for an automatic switching unit of the boiler manufacturer. A complicated integration into the boiler control is not necessary. The retrofitting of the respective automatic switching unit is possible at any time.







## Flexilo MODULE



### 4 MODULE in a SQUARE





#### Flexilo MODULE FOR ROOM HEIGHT 1.8 - 1.9 m: FRAME HEIGHT 1.6 m

Type of silo Item no.	Frame length [mm]	Frame width [mm]	Frame height [mm]	Required room height [m]	Volume [m³]	Tonnage [t]	CH	Z	Price
<b>HP-M18/12</b>	<b>1.900</b>	<b>1.900</b>	<b>1.600</b>	<b>1,8 bis 1,9 m</b>	<b>3,9 - 5,1</b>	<b>2,5 - 3,3</b>	✓		<b>4.530,00 €</b> 
HP-M21X18/12	2.200	1.900	1.600	1,8 bis 1,9 m	4,3 - 5,7	2,8 - 3,7	✓		5.000,00 €
<b>HP-M21/12</b>	<b>2.200</b>	<b>2.200</b>	<b>1.600</b>	<b>1,8 bis 1,9 m</b>	<b>4,8 - 6,5</b>	<b>3,1 - 4,2</b>	✓		<b>4.935,00 €</b> 
HP-M24X18/12	2.500	1.900	1.600	1,8 bis 1,9 m	4,5 - 6,2	3,0 - 4,0	✓		5.435,00 €
HP-M24X21/12	2.500	2.200	1.600	1,8 bis 1,9 m	5,1 - 7,0	3,3 - 4,5	✓		5.650,00 €
<b>HP-M24/12</b>	<b>2.500</b>	<b>2.500</b>	<b>1.600</b>	<b>1,8 bis 1,9 m</b>	<b>5,7 - 7,8</b>	<b>3,7 - 5,1</b>	✓	•	<b>5.315,00 €</b> 
HP-M28X18/12	2.900	1.900	1.600	1,8 bis 1,9 m	4,7 - 6,6	3,1 - 4,3			5.145,00 €
HP-M28X21/12	2.900	2.200	1.600	1,8 bis 1,9 m	5,2 - 7,4	3,4 - 4,8			5.325,00 €
HP-M28X24/12	2.900	2.500	1.600	1,8 bis 1,9 m	5,8 - 8,3	3,8 - 5,4		•	5.345,00 €
<b>HP-M28/12</b>	<b>2.900</b>	<b>2.900</b>	<b>1.600</b>	<b>1,8 bis 1,9 m</b>	<b>6,5 - 9,5</b>	<b>4,2 - 6,2</b>		•	<b>5.065,00 €</b> 

± 1,8 - 1,9 m ±



#### Flexilo MODULE FOR ROOM HEIGHT 2.0 - 2.1 m: FRAME HEIGHT 1.8 m

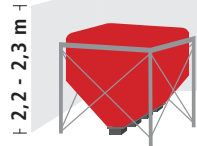
Type of silo Item no.	Frame length [mm]	Frame width [mm]	Frame height [mm]	Required room height [m]	Volume [m³]	Tonnage [t]	CH	Z	Price
<b>HP-M18/14</b>	<b>1.900</b>	<b>1.900</b>	<b>1.800</b>	<b>2,0 bis 2,1 m</b>	<b>4,6 - 5,7</b>	<b>3,0 - 3,7</b>	✓		<b>4.565,00 €</b> 
HP-M21X18/14	2.200	1.900	1.800	2,0 bis 2,1 m	5,0 - 6,4	3,3 - 4,2	✓		5.035,00 €
<b>HP-M21/14</b>	<b>2.200</b>	<b>2.200</b>	<b>1.800</b>	<b>2,0 bis 2,1 m</b>	<b>5,7 - 7,4</b>	<b>3,7 - 4,8</b>	✓		<b>5.285,00 €</b> 
HP-M24X18/14	2.500	1.900	1.800	2,0 bis 2,1 m	5,4 - 7,0	3,5 - 4,6	✓		5.465,00 €
HP-M24X21/14	2.500	2.200	1.800	2,0 bis 2,1 m	6,1 - 8,0	4,0 - 5,2	✓		5.655,00 €
<b>HP-M24/14</b>	<b>2.500</b>	<b>2.500</b>	<b>1.800</b>	<b>2,0 bis 2,1 m</b>	<b>6,8 - 9,0</b>	<b>4,4 - 5,8</b>	✓	•	<b>5.345,00 €</b> 
HP-M28X18/14	2.900	1.900	1.800	2,0 bis 2,1 m	5,7 - 7,6	3,7 - 5,0	✓		5.555,00 €
HP-M28X21/14	2.900	2.200	1.800	2,0 bis 2,1 m	6,4 - 8,6	4,1 - 5,6	✓		6.330,00 €
HP-M28X24/14	2.900	2.500	1.800	2,0 bis 2,1 m	7,1 - 9,7	4,6 - 6,3	✓	•	6.330,00 €
<b>HP-M28/14</b>	<b>2.900</b>	<b>2.900</b>	<b>1.800</b>	<b>2,0 bis 2,1 m</b>	<b>8,1 - 11,1</b>	<b>5,3 - 7,2</b>	✓	•	<b>5.965,00 €</b> 

± 2,0 - 2,1 m ±



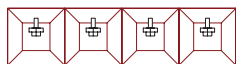
\* Divided Version

### Flexilo MODULE FOR ROOM HEIGHT 2.2 - 2.3 m: FRAME HEIGHT 2.0 m

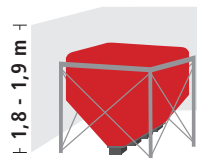


Type of silo Item no.	Frame length [mm]	Frame width [mm]	Frame height [mm]	Required room height [m]	Volume [m³]	Tonnage [t]	CH	Z	Price
<b>HP-M18/16</b>	<b>1.900</b>	<b>1.900</b>	<b>2.000</b>	<b>2,2 bis 2,3 m</b>	<b>5,2 - 6,4</b>	<b>3,4 - 4,2</b>	✓		<b>4.595,00 €</b>
HP-M21X18/16	2.200	1.900	2.000	2,2 bis 2,3 m	5,8 - 7,2	3,8 - 4,7	✓		5.455,00 €
<b>HP-M21/16</b>	<b>2.200</b>	<b>2.200</b>	<b>2.000</b>	<b>2,2 bis 2,3 m</b>	<b>6,6 - 8,2</b>	<b>4,3 - 5,4</b>	✓		<b>5.315,00 €</b>
HP-M24X18/16	2.500	1.900	2.000	2,2 bis 2,3 m	6,3 - 7,9	4,1 - 5,1	✓		5.495,00 €
HP-M24X21/16	2.500	2.200	2.000	2,2 bis 2,3 m	7,1 - 9,0	4,6 - 5,8	✓		5.685,00 €
<b>HP-M24/16</b>	<b>2.500</b>	<b>2.500</b>	<b>2.000</b>	<b>2,2 bis 2,3 m</b>	<b>8,0 - 10,1</b>	<b>5,2 - 6,6</b>	✓	•	<b>5.370,00 €</b>
HP-M28X18/16	2.900	1.900	2.000	2,2 bis 2,3 m	6,7 - 8,6	4,4 - 5,6	✓		6.155,00 €
HP-M28X21/16	2.900	2.200	2.000	2,2 bis 2,3 m	7,6 - 9,8	4,9 - 6,3	✓		6.350,00 €
HP-M28X24/16	2.900	2.500	2.000	2,2 bis 2,3 m	8,5 - 11,0	5,5 - 7,2	✓	•	6.370,00 €
<b>HP-M28/16</b>	<b>2.900</b>	<b>2.900</b>	<b>2.000</b>	<b>2,2 bis 2,3 m</b>	<b>9,7 - 12,6</b>	<b>6,3 - 8,2</b>	✓	•	<b>6.340,00 €</b>

### 4 MODULE in a RECTANGLE

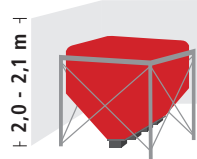


### Flexilo MODULE FOR ROOM HEIGHT 1.8 - 1.9 m: FRAME HEIGHT 1.6 m



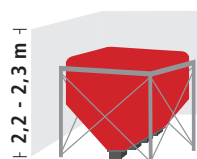
Type of silo Item no.	Frame length [mm]	Frame width [mm]	Frame height [mm]	Required room height [m]	Volume [m³]	Tonnage [t]	CH	Z	Price
HP-M4R30X18/12	3.100	1.900	1.600	1,8 bis 1,9 m	5,3 - 7,4	3,5 - 4,8	✓		6.105,00 €
<b>HP-M4R30X21/12</b>	<b>3.100</b>	<b>2.200</b>	<b>1.600</b>	<b>1,8 bis 1,9 m</b>	<b>5,7 - 8,0</b>	<b>3,7 - 5,2</b>			<b>5.305,00 €</b>
HP-M4R35X18/12	3.600	1.900	1.600	1,8 bis 1,9 m	6,0 - 8,3	3,9 - 5,4	✓		6.605,00 €
<b>HP-M4R35X21/12</b>	<b>3.600</b>	<b>2.200</b>	<b>1.600</b>	<b>1,8 bis 1,9 m</b>	<b>6,3 - 9,1</b>	<b>4,1 - 5,9</b>			<b>5.725,00 €</b>
HP-M4R40X18/12	4.100	1.900	1.600	1,8 bis 1,9 m	6,6 - 8,7	4,3 - 5,6	✓		7.535,00 €
HP-M4R40X21/12	4.100	2.200	1.600	1,8 bis 1,9 m	6,9 - 9,6	4,5 - 6,2	✓		7.580,00 €

### Flexilo MODULE FOR ROOM HEIGHT 2.0 - 2.1 m: FRAME HEIGHT 1.8 m



Type of silo Item no.	Frame length [mm]	Frame width [mm]	Frame height [mm]	Required room height [m]	Volume [m³]	Tonnage [t]	CH	Z	Price
HP-M4R30X18/14	3.100	1.900	1.800	2,0 bis 2,1 m	6,4 - 8,4	4,2 - 5,5	✓		6.135,00 €
HP-M4R30X21/14	3.100	2.200	1.800	2,0 bis 2,1 m	6,9 - 9,3	4,5 - 6,0	✓		6.165,00 €
<b>HP-M4R30X24/14</b>	<b>3.100</b>	<b>2.500</b>	<b>1.800</b>	<b>2,0 bis 2,1 m</b>	<b>7,2 - 10,0</b>	<b>4,7 - 6,5</b>			<b>5.370,00 €</b>
HP-M4R35X18/14	3.600	1.900	1.800	2,0 bis 2,1 m	7,2 - 9,6	4,7 - 6,2	✓		7.530,00 €
<b>HP-M4R35X21/14</b>	<b>3.600</b>	<b>2.200</b>	<b>1.800</b>	<b>2,0 bis 2,1 m</b>	<b>7,8 - 10,5</b>	<b>5,0 - 6,8</b>	✓		<b>6.870,00 €</b>
HP-M4R40X21/14	4.100	2.200	1.800	2,0 bis 2,1 m	8,0 - 11,1	5,2 - 7,2	✓		7.855,00 €*
HP-M4R45X18/14	4.600	1.900	1.800	2,0 bis 2,1 m	7,4 - 10,9	4,8 - 7,1	✓		7.880,00 €*
HP-M4R45X21/14	4.600	2.200	1.800	2,0 bis 2,1 m	8,4 - 11,8	5,4 - 7,7	✓		7.930,00 €*

### Flexilo MODULE FOR ROOM HEIGHT 2.2 - 2.3 m: FRAME HEIGHT 2.0 m

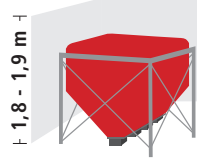


Type of silo Item no.	Frame length [mm]	Frame width [mm]	Frame height [mm]	Required room height [m]	Volume [m³]	Tonnage [t]	CH	Z	Price
HP-M4R30X18/16	3.100	1.900	2.000	2,2 bis 2,3 m	7,7 - 9,5	5,0 - 6,2	✓		6.655,00 €
HP-M4R30X21/16	3.100	2.200	2.000	2,2 bis 2,3 m	8,2 - 10,5	5,3 - 6,9	✓		6.700,00 €
<b>HP-M4R30X24/16</b>	<b>3.100</b>	<b>2.500</b>	<b>2.000</b>	<b>2,2 bis 2,3 m</b>	<b>8,7 - 11,4</b>	<b>5,6 - 7,4</b>	✓		<b>6.205,00 €</b>
HP-M4R35X18/16	3.600	1.900	2.000	2,2 bis 2,3 m	8,5 - 10,9	5,5 - 7,1	✓		7.615,00 €
<b>HP-M4R40X21/16</b>	<b>4.100</b>	<b>2.200</b>	<b>2.000</b>	<b>2,2 bis 2,3 m</b>	<b>9,5 - 12,5</b>	<b>6,2 - 8,2</b>	✓		<b>7.335,00 €* </b>
HP-M4R45X18/16	4.600	1.900	2.000	2,2 bis 2,3 m	8,8 - 11,8	5,7 - 7,6	✓		7.935,00 €*
HP-M4R45X21/16	4.600	2.200	2.000	2,2 bis 2,3 m	10,0 - 13,5	6,5 - 8,8	✓		7.970,00 €*

### 3 MODULE in a RECTANGLE



### Flexilo MODULE FOR ROOM HEIGHT 1.8 - 1.9 m: FRAME HEIGHT 1.6 m



Type of silo Item no.	Frame length [mm]	Frame width [mm]	Frame height [mm]	Required room height [m]	Volume [m³]	Tonnage [t]	CH	Z	Price
HP-M3R24X18/12	2.500	1.900	1.600	1,8 bis 1,9 m	4,2 - 5,8	2,7 - 3,8	✓		4.955,00 €
<b>HP-M3R24X21/12</b>	<b>2.500</b>	<b>2.200</b>	<b>1.600</b>	<b>1,8 bis 1,9 m</b>	<b>4,4 - 6,3</b>	<b>2,9 - 4,1</b>			<b>4.435,00 €</b>
HP-M3R28X18/12	2.900	1.900	1.600	1,8 bis 1,9 m	4,7 - 6,6	3,1 - 4,3	✓		5.025,00 €
<b>HP-M3R28X21/12</b>	<b>2.900</b>	<b>2.200</b>	<b>1.600</b>	<b>1,8 bis 1,9 m</b>	<b>4,9 - 7,1</b>	<b>3,2 - 4,6</b>			<b>4.495,00 €</b>



Please observe in the planning especially the chapter „Installation site requirements“ page 4  
Please observe the current Firing Ordinance applicable in your country

\* Divided Version





± 2,0 - 2,1 m ±



### Flexilo MODULE FOR ROOM HEIGHT 2.0 - 2.1 m: FRAME HEIGHT 1.8 m

Type of silo Item no.	Frame length [mm]	Frame width [mm]	Frame height [mm]	Required room height [m]	Volume [m³]	Tonnage [t]	CH	Z	Price
HP-M3R24X18/14	2.500	1.900	1.800	2,0 bis 2,1 m	5,1 - 6,7	3,3 - 4,3	✓		4.985,00 €
HP-M3R24X21/14	2.500	2.200	1.800	2,0 bis 2,1 m	5,4 - 7,3	3,5 - 4,8	✓		5.185,00 €
<b>HP-M3R24/14</b>	<b>2.500</b>	<b>2.500</b>	<b>1.800</b>	<b>2,0 bis 2,1 m</b>	<b>5,7 - 7,8</b>	<b>3,7 - 5,1</b>			<b>4.555,00 €</b>
HP-M3R28X18/14	2.900	1.900	1.800	2,0 bis 2,1 m	5,7 - 7,6	3,7 - 4,9	✓		5.140,00 €
HP-M3R28X21/14	2.900	2.200	1.800	2,0 bis 2,1 m	6,1 - 8,3	4,0 - 5,4	✓		5.310,00 €
<b>HP-M3R28X24/14</b>	<b>2.900</b>	<b>2.500</b>	<b>1.800</b>	<b>2,0 bis 2,1 m</b>	<b>6,3 - 8,9</b>	<b>4,1 - 5,8</b>		•	<b>4.600,00 €</b>

± 2,2 - 2,3 m ±



### Flexilo MODULE FOR ROOM HEIGHT 2.2 - 2.3 m: FRAME HEIGHT 2.0 m

Type of silo Item no.	Frame length [mm]	Frame width [mm]	Frame height [mm]	Required room height [m]	Volume [m³]	Tonnage [t]	CH	Z	Price
HP-M3R24X18/16	2.500	1.900	2.000	2,2 bis 2,3 m	5,9 - 7,5	3,8 - 4,9	✓		5.020,00 €
HP-M3R24X21/16	2.500	2.200	2.000	2,2 bis 2,3 m	6,4 - 8,3	4,2 - 5,4	✓		5.215,00 €
<b>HP-M3R24/16</b>	<b>2.500</b>	<b>2.500</b>	<b>2.000</b>	<b>2,2 bis 2,3 m</b>	<b>6,8 - 9,0</b>	<b>4,4 - 5,8</b>	✓	•	<b>4.905,00 €</b>
HP-M3R28X18/16	2.900	1.900	2.000	2,2 bis 2,3 m	6,7 - 8,6	4,4 - 5,6	✓		5.700,00 €
HP-M3R28X21/16	2.900	2.200	2.000	2,2 bis 2,3 m	7,3 - 9,5	4,7 - 6,2	✓		5.885,00 €
HP-M3R28X24/16	2.900	2.400	2.000	2,2 bis 2,3 m	7,7 - 10,2	5,0 - 6,6	✓	•	5.895,00 €
<b>HP-M3R28/16</b>	<b>2.900</b>	<b>2.900</b>	<b>2.000</b>	<b>2,2 bis 2,3 m</b>	<b>8,0 - 10,9</b>	<b>5,2 - 7,1</b>		•	<b>5.135,00 €</b>

CH = cone holding frame to keep the cone in better shape

Z = additional second filling nozzle included, to achieve a better filling degree

• • = Position of the filling pipe - see on page 4

**Freight costs: on request!** The prices are to be understood ex works, without VAT

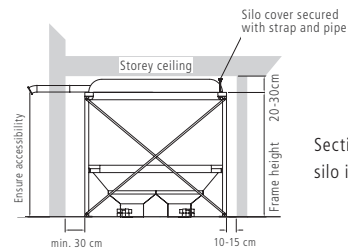
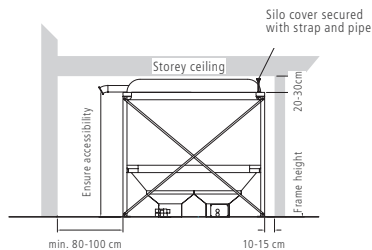
**Delivery:** 2 - 3 weeks after receipt of order and clarification of all commercial and technical details

🔴 = Special price advantage 🛒 All products are available in our online shop as well

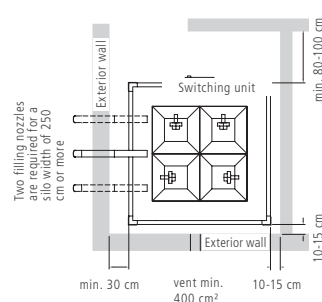
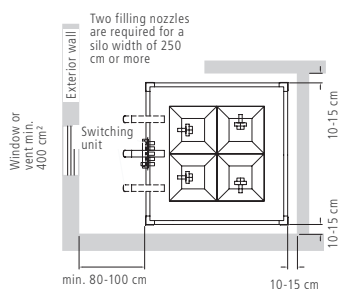


We recommend using the Flexilo made from our MAXI fabric for a pellet boiler output of 50 kW and higher. Price on request  
You will find our discharging accessories for the Flexilo MODULE on page 43

## INSTALLATION EXAMPLE Flexilo MODULE



Section silo installation



Layout silo installation

# 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.



# THE A.B.S. Flexilo FLAT BOTTOM

## HIGHLIGHTS

- ▶ Highest filling volume: Up to 90 % of the storage room are useable
- ▶ Easy and fast installation
- ▶ Outlet nozzle for manual extraction as standard
- ▶ Suction connection, assembly entrance, manual extraction and filling pipe can be fixed at each site according to your requirement
- ▶ Special dimensions for each application
- ▶ AIRBAG accessory for a better usage of wood pellets

## SCOPE OF DELIVERY

- ▶ Silo bag with sewn-in impact wall
- ▶ Galvanized steel frame as plug-in system including assembly material
- ▶ Filling system, standard position is lateral. Delivered with Storz A as standard. In case you require a different coupling, the price must be adapted
- ▶ Removal: 5 suction probes, manual switching unit\* and suction hoses inside
- ▶ Supporting structure for silo cover (½" pipe galvanized should be provided by the customer)
- ▶ Assembly instructions

\* Switching is done manually at regular intervals – an automatic switching unit by the boiler manufacturer can possibly be used. Please mention this in your enquiry.



up to 10,2 t



2-3 weeks



90 % more storage volume



cost-efficient

## Flexilo FLAT BOTTOM

	18er Flexilo FLAT BOTTOM	21er Flexilo FLAT BOTTOM	24er Flexilo FLAT BOTTOM***	26er Flexilo FLAT BOTTOM***
Item no.	<b>HP-FB18</b>	HP-FB21	HP-FB24	HP-FB26
Dimensions [L x B x H in mm]	<b>1.900 x 1.900 x 1.900</b>	2.200 x 2.200 x 1.900	2.500 x 2.500 x 1.900	2.700 x 2.700 x 2.000
for room height [m] *	<b>2,1 up to 2,4</b>	2,1 up to 2,4	2,1 up to 2,4	2,2 up to 2,5
Volume [m <sup>3</sup> ]	<b>5,2 up to 7,0 m<sup>3</sup></b>	7,2 up to 9,7 m <sup>3</sup>	9,5 up to 12,8 m <sup>3</sup>	11,8 up to 15,7 m <sup>3</sup>
Tonnage **	<b>3,4 up to 4,6 t</b>	4,7 up to 6,3 t	6,2 up to 8,3 t	7,7 up to 10,2 t
Discharge	5 suction probes with manual connection unit + manual extraction			
Price	<b>3.390,00 €</b>	3.705,00 €	3.940,00 €	4.085,00 €

Shipment: 5 suction probes, manual switching unit, access and manual discharge unit, suction hoses inside

\* Distance from the upper edge of the framework to the ceiling min. 20 cm, max. 45 cm.

Adjustment of height for balancing. Further heights of frameworks can be manufactured on request.

\*\* By extraction with 5 suction probes a remaining quantity can be left over in the silo. This remaining quantity can be further reduced manually by planish or collect on the suction probes. The remaining quantities are approximately: 18 - 13%; 21 - 15%; 24 - 17%; 26 - 18%

\*\*\* Two filling nozzles for a better filling degree

**Freight costs: on request!** The prices are to be understood ex works, without VAT

**Scope of delivery:** incl. filling system, assembly instructions, without extraction

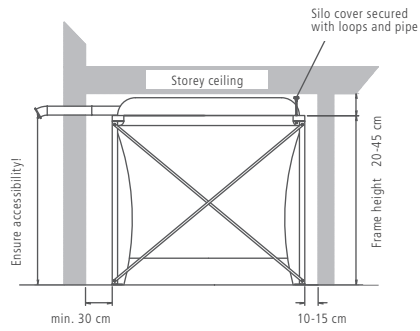
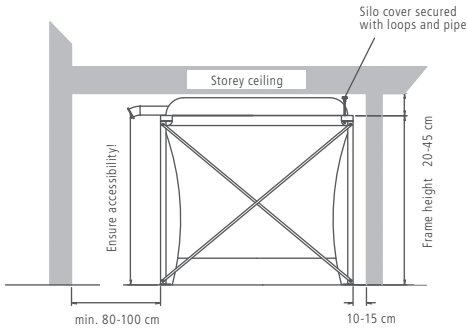
**Delivery:** 2 - 3 weeks after receipt of order and clarification of all commercial and technical details

= Special price advantage All products are available in our online shop as well

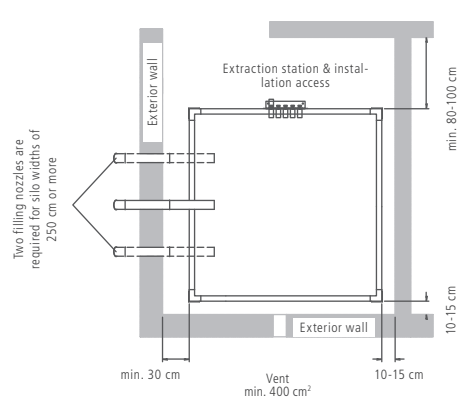
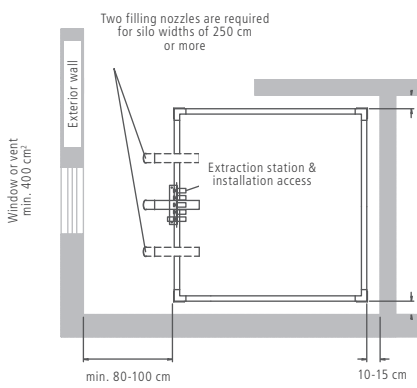


In the planning stage, please observe information provided in the chapter "Requirements for the installation site", page 51  
Please observe the current Firing Ordinance applicable in your country

# INSTALLATION EXAMPLE Flexilo FLAT BOTTOM



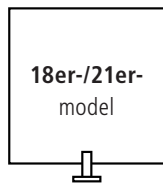
Section silo installation



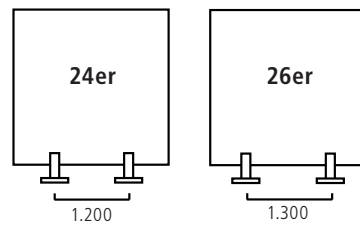
Layout silo installation



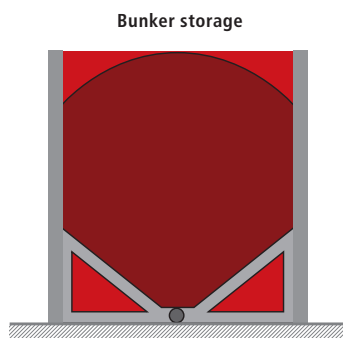
## POSITION OF THE FILLING PIPE



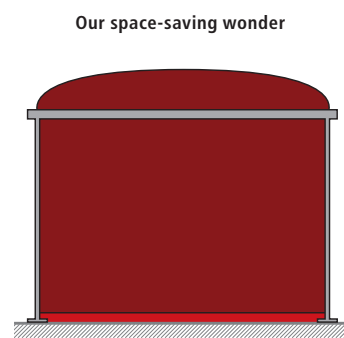
Centred  
**One filling nozzle**  
 models 18er-/21er



Distance between the filling nozzles  
 (pipe centre to pipe centre)  
**Two filling nozzles**  
 models 24er/26er



Unused space



Almost full utilisation



**!** Remove residues can be reduced with the A.B.S. AIRBAG.

# 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.



## THE A.B.S. Flexilo MINI

### HIGHLIGHTS

- ▶ The most inexpensive / favorable way of storing pellets
- ▶ Filling with pellet sacks
- ▶ Suction box or screw box included in the scope of delivery
- ▶ Simple and fast assembly in only 20 minutes
- ▶ Assembly material included



### TECHNICAL INFORMATION

- ▶ Capacity: 600 l
- ▶ Dimension: 980 x 980 mm
- ▶ Height: 1150 mm



600 l



1-2 weeks



Fast installation within 20 min



low maintenance



compatible to all wood pellet boilers



cost efficient

#### Flexilo MINI inclusive exhausting box type 5

for suction and air return hose  $\varnothing$  50 mm

Item no. HP-MINI-A

805,00 €



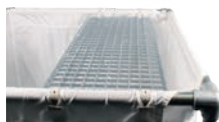
#### Flexilo MINI inclusive screw box type 1

for ascending screw with pipe diameter 75 mm up to 100 mm; variable acclivity 35° up to 40°

Item no. HP-MINI-S

835,00 €

## ACCESSORIES Flexilo MINI



#### Steel mesh guard

850 x 850 respectively 850 x 350 mm

Item no. HP-MINI-SG-850

207,00 €

Item no. HP-MINI-SG-350

139,00 €



#### Fabric cover

Item no. HP-MINI-GD

207,00 €

**Prices and transport costs:** All prices are in € without the addition of the legal VAT

**Freight costs:** On request €

**Terms of delivery:** Incoterms® 2010 Ex Works, A.B.S. Silo- und Förderanlagen GmbH, Industriepark 100, 74706 Osterburken/German | We reserve the right to make technical changes

All products are available in our online shop as well





MORE THAN  
JUST  
PERIPHERAL.

A.B.S. FLEXILO ACCESSORIES.



## PRICE LIST ACCESSORIES Flexilo STANDARD, ECO, MAXI UND OUTDOOR

If you make an order or an inquiry, you need to give information about the boiler type or the producer. That is how we can offer the right discharging system to you. Many boiler producers have an own discharging unit – in this case we will adjust the silo outlet.

### DISCHARGING SYSTEM FOR VACUUM-SUCTION SYSTEM



#### Spiral conveying system \*

##### Item no. HP-SFA

1.675,00 €

Spiral conveying system with suction and return air socket (Ø 50 mm) for use with a suction system incl. tension band, clamping ring and stop valve

#### Reducer 50/45

##### Item no. HP-SFA-Ü50/45

39,00 €

Hose connector adapter from Ø50 to Ø45 mm



#### Exhausting box type I \*\*

##### Item no. HP-ABSAUG

425,00 €

Exhausting box with suction and return air socket (Ø 50 mm), incl. tension band, clamping ring and emergency slide

#### Exhausting box NW 250 \*\*

##### Item no. HP-ABSAUG-5

380,00 €

Exhausting box NW 250 with suction and return air socket (Ø 50 mm), incl. tension band

### REMOVAL SYSTEM FOR SCREW DISCHARGE



#### Screw box type II

##### Item no. HP-SK-2

525,00 €

Screw box (straight), incl. tension band, stop valve and cleaning flap. Pipe diameter has to be declared



#### Screw box type VII

##### Item no. HP-SK-7

525,00 €

Screw box for ascending screw (variable acclivity), incl. tension band, stop valve and cleaning flap. Incline 35° up to 40°. Pipe diameter 75 mm up to 100 mm

### OTHER REMOVAL SYSTEMS



#### Manual removal

##### Item no. HP-NOTAB

265,00 €

as unique manual discharge, consisting of 1 x stop valve Ø 250 for the cone outlet, 1 x locking gate valve Ø 150 for sockets on the cone wall Standard position on the filling side



#### Manual removal

##### Item no. HP-NOTAB-2

170,00 €

as additional manual discharge, consisting of 1 x locking gate valve Ø 150 for sockets on the cone wall standard position on the filling side

\* The electric version (control) and installation are not included in the scope of delivery

\*\* This discharge units are not appropriate for the outside installation

## PNEUMATIC SUCTION SYSTEM FOR PELLET BOILER VACUPELLET

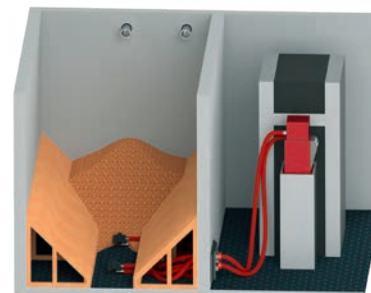
The pellet suction box Vacupellet is a very convenient system for keeping your property warm and has been long regarded as one of the best accessories in the heating industry. The suction box will easily, securely and quietly transport your pellets from the pellet storage area to the hopper of your pellet boiler (to max. 180 kW).

The pellet suction box is multipurpose will fit easily to almost every hand filled pellet boiler. The Vacupellet can be attached onto the pellet boiler hopper that is fitted with a manually operated cover and has an area of 35 x 35 cm. On demand, the pellet suction box will transport pellets from a dedicated silo or storage room via a suction hose. The Vacupellet can operate with a maximum hose length of 20 metres and a maximum increase in height of 6 metres. The times for pellet loading can be easily and freely selected.

TECHNICAL INFORMATION	
Boiler output	up to max. 180 kW
Output	up to 220 kg/h
Weight	20 kg
Weight with full pellet suction box	28 kg
Dimensions width x depth	350 x 350 mm
Height	630 mm
Suction and Return-air hose connection	50 mm

### Electrical power consumption

Electrical connection	240 V / 50 Hz
Power	1600 W
Sound level	60 dB



### VACUPELLET for probe extraction

Item no. HP-PS-VACU 1.495,00 €


### VACUPELLET for spiral/mole

Item no. HP-PS-VACU-S 1.570,00 €



**Freight costs:** 95,- € in Germany – other countries on request

**Delivery:** 1 - 2 weeks after receipt of order and clarification of all commercial and technical details

 All products are also available in our online-shop

## ACCESSORIES VACUPELLET

### A.B.S. Pelletbox

#### Item no. HP-BOX

492,00 €

Suitable for spirals with pipe diameters of Ø 75 to Ø 100 mm, contents around 200 l  
Price without cover, pellet suction box or spiral



### Cover for A.B.S. pellet box

#### Item no. HP-PS-D

44,00 €

### Suction probe NW 50/50

#### Item no. HP-SSO

77,00 €

Floor assembly as an extraction aid.

Maximum suction distance:

- max. 25 m length at max. 1.75 m total elevation difference
- max. 15 m length at max. 2.75 m total elevation difference
- max. 10 m length at max. 4.50 m total elevation difference



### Pellet hose NW 51

#### 5 m Anti-static suction- and return air hose

#### Item no. HP-SCHLA-5

91,50 €  
18,30 €/m

#### 10 m Anti-static suction- and return air hose

#### Item no. HP-SCHLA-10

170,00 €  
17,00 €/m

#### 15 m Anti-static suction- and return air hose

#### Item no. HP-SCHLA-15

246,00 €  
16,40 €/m

#### 20 m Anti-static suction- and return air hose

#### Item no. HP-SCHLA-20

315,50 €  
15,78 €/m

#### 25 m Anti-static suction- and return air hose

#### Item no. HP-SCHLA-25

379,00 €  
15,16 €/m

#### 50 m Anti-static suction- and return air hose

#### Item no. HP-SCHLA-50

667,00 €  
13,34 €/m

Anti-static suction- and return air hose NW 50-51 mm for wood pellets made of PVC with embedded copper strand.



### Pellet pivot bolt clamp NW 56-59

#### Item no. HP-GBS56-59

5,50 €

High-quality version for fixation of suction- and return air hose NW 50-51, band width: 22 mm, band and housing: galvanized steel



### Pellet hose clamp NW 40-60

#### Item no. HP-SSCH

3,20 €

For fixation of suction- and return air hose NW 50-51 with asymmetric lock, band width 9 mm, galvanized steel



## SPIRALES FOR Flexilo

Spiral conveyors ensure quiet, dust-free transport of wood pellets, also in bends and slopes— while having low energy requirements. Whether Flexilo, Flexilo MAXI, Flexilo OUTDOOR or Flexilo TROUGH – spirals can be used with all silo versions. The pellets are either transported to a suction point or directly into the storage container or pellet boiler, by aid of a discharge hose. To ensure safe transport, spiral design and flow rate are adapted precisely to the boiler type.



Example: Item HP-SFA-4 - cascade solution with 2 Flexilo

### Spiral conveyor system with discharge hose \*

for boilers with a power range up to 115 kW, Pellets conveyed vertically – direct feed into boiler or day hopper, Total length of: approx. 6.4 m

**Item no. HP-SFA-1** for boilers with a power range up to 115 kW

Price without Silo

**4.490,00 €**



### Spiral conveyor system with discharge hose \*

Pellets conveyed horizontally – direct feed into boiler or day hopper  
Total length of: approx. 3.6 m, without support unit HP-SFA-AE (Page 38)

**Item no. HP-SFA-2** for boilers with a power range up to 115 kW

**Item no. HP-SFA-2-K** for boilers with a power range starting at 115 kW

Price without Silo

**3.950,00 €**

**7.548,00 €**



### Spiral conveyor system with suction point \*

Cascade solution with 2 Flexilo

**Item no. HP-SFA-4** for boilers with a power range up to 115 kW

**Item no. HP-SFA-4-K** for boilers with a power range starting at 115 kW

Price without Silo

**3.045,00 €**

**9.885,00 €**



### Spiral conveyor system with discharge hose \*

Cascade solution with 2 Flexilo

Direct feed into boiler or day hopper, without support unit HP-SFA-AE (Page 38)

**Item no. HP-SFA-5** for boilers with a power range up to 115 kW

**Item no. HP-SFA-5-K** for boilers with a power range starting at 115 kW

Price without Silo

**5.040,00 €**

**10.900,00 €**



### Spiral conveyor system with suction point \*

Cascade solution with 3 Flexilo

**Item no. HP-SFA-6** for boilers with a power range up to 115 kW

**Item no. HP-SFA-6-K** for boilers with a power range starting at 115 kW

Price without Silo

**4.500,00 €**

**13.080,00 €**



\* The electric version (control) and installation are not included in the scope of delivery

## SPIRALS



### Spiral conveyor system with discharge hose \*

Cascade solution with 3 Flexilo. Direct feed into boiler or day hopper, without support unit HP-SFA-AE (see below)

Price without Silo

**Item No. HP-SFA-7** for boilers with a power range up to 115 kW

**6.515,00 €**

**Item No. HP-SFA-7-K** for boilers with a power range starting at 115 kW

**14.265,00 €**



### Spiral conveyor system with suction point \*

Cascade solution with up to 5 Flexilo possible

**Price on request**



### Cross spiral with suction point \*

Transmission of HP-SFA-2, HP-SFA-5 or HP-SFA-7 onto cross spiral, direct feed into boiler or day hopper, Total length of: approx. 4.9 m, without support unit HP-SFA-AE (see below)

Price without Silo

**Item No. HP-SFA-Q** for boilers with a power range up to 115 kW

**2.750,00 €**

**Item No. HP-SFA-Q-K** for boilers with a power range starting at 115 kW

**3.695,00 €**



### Support unit for the drive

**Item No. HP-SFA-AE**

**635,00 €**



### Receiving hopper NW 250

Individual receiving hopper for sack silo for existing spiral conveyor system with pipe Ø 90 mm

**Item No. HP-SFA-AT**

**815,00 €**



### Sensor with bracket for installation in the discharge hose

Sensor VC RT 230 Volt, cable length 5.0 m

**Item No. HP-SFA-S-1**

**450,00 €**



### Sensor mit Winkelhalterung zum Einbau im Vorratsbehälter

Sensor VC RT 230 Volt, cable length 5.0 m

**Item No. HP-SFA-S-2**

**355,00 €**

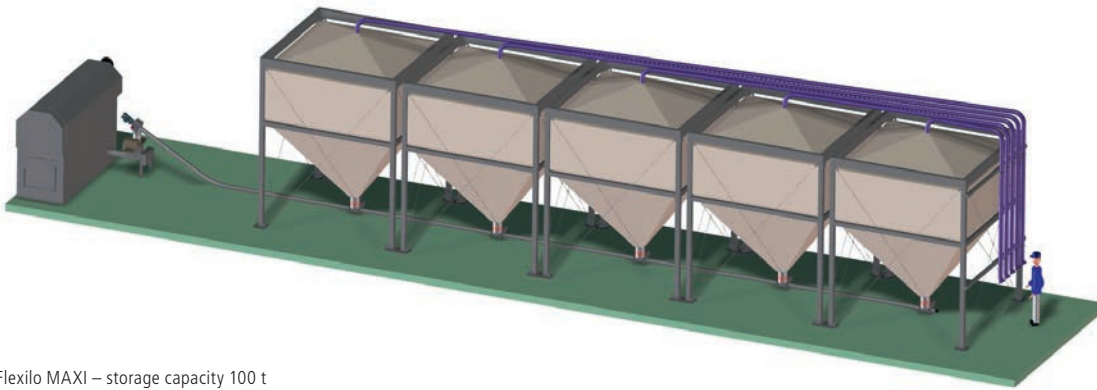
\* The electric version (control) and installation are not included in the scope of delivery



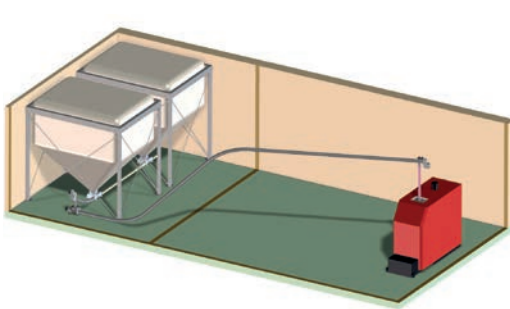
Please observe in the planning especially the chapter „Installation site requirements“ page 53  
Please observe the current Firing Ordinance applicable in your country



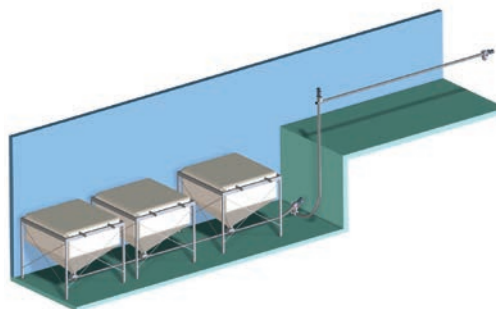
## EXAMPLES OF SPIRALS



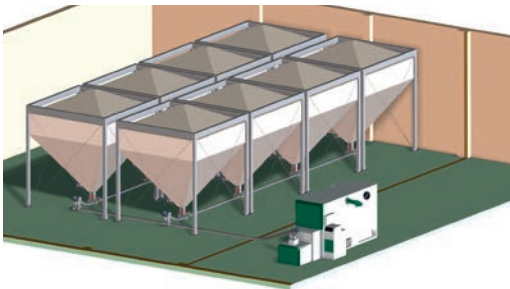
Flexilo MAXI – storage capacity 100 t



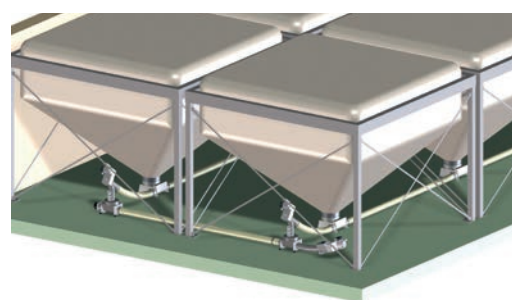
2 Flexilo STANDARD with HP-SFA-5 and transfer hopper to cross spiral HP-SFA-Q as direct feed



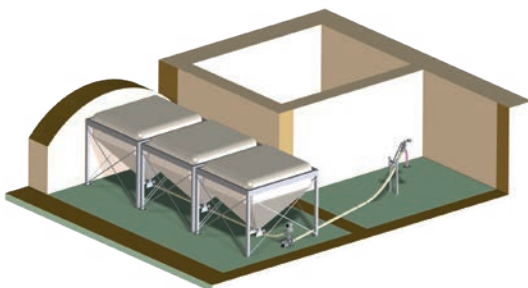
3 Flexilo MAXI with transfer on 2 spirals



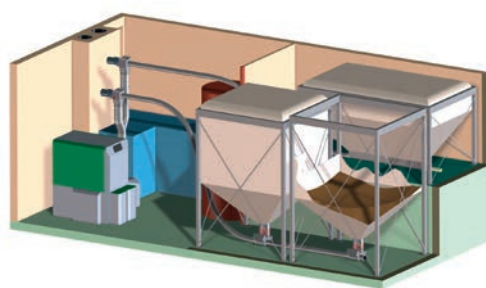
Flexilo MAXI - Storage capacity 120 t - 1000 kW



6 Flexilo STANDARD with 2 HP-SFA-6 to cross spiral with suction point



3 Flexilo STANDARD with HP-SFA-7 and transfer hopper to cross spiral HP-SFA-Q as direct feed



2 Flexilo MAXI and 1 Flexilo TROUGH as feed of 180 kW pellet boiler



Arrangement example

## ACCESSORIES Flexilo MODULE

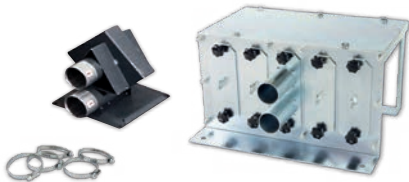


### Triple manual switching unit (suction station)

**Item no. HP-SBH-3-50/50**

**570,00 €**

Connection of the suction and return air nozzles: Ø 50 mm consisting of the following individual components: 1 manual switching unit including 1 AC bridge and 2 blank bridges, 3 suction probes 50/50 (galvanised), 12 hose clamps 40-60



### Manual switching unit (suction station)

**Item no. HP-SBH-4-50/50**

**830,00 €**

Connection of the suction and return air nozzles: Ø 45/50 mm consisting of the following individual components: 1 manual switching unit including 1 AC bridge and 4 blank bridges, 4 suction probes 50/50 (black), 20 hose clamps 40-60



### Pellet hose NW 51

**5 m Anti-static suction- and return air hose**

**Item no. HP-SCHLA-5**

**91,50 €**  
18,30 €/m

**10 m Anti-static suction- and return air hose**

**Item no. HP-SCHLA-10**

**170,00 €**  
17,00 €/m

**15 m Anti-static suction- and return air hose**

**Item no. HP-SCHLA-15**

**246,00 €**  
16,40 €/m

**20 m Anti-static suction- and return air hose**

**Item no. HP-SCHLA-20**

**315,50 €**  
15,76 €/m

**25 m Anti-static suction- and return air hose**

**Item no. HP-SCHLA-25**

**379,00 €**  
15,16 €/m

**50 m Anti-static suction- and return air hose**

**Item no. HP-SCHLA-50**

**667,00 €**  
13,34 €/m

Anti-static suction- and return air hose NW 50-51 mm for wood pellets made of PVC with embedded copper strand.



When using a switching unit supplied by the boiler manufacturer, the brand name must be specified to ensure that the proper connection components are supplied

## PRICE LIST FILLING SYSTEM

The accessories are only required for extensions, supplementary equipment or additional filling pipe. Pipe(s) with support, Storz coupling with temporary cover, pipe bends, 2 clamping rings and 1 hose clamp are included in the delivery.

### Second filling pipe

**Item no. HP-FL-2/1** **261,00 €**

To achieve a better filling level - comprises pipe with holder, pipe bend 30°, Storz coupling Storz A), with temporary cover, 2 clamping rings and hose clamp. Delivered with Storz A as standard. In case you require a different coupling, the price must be adapted



### Filling pipe

**Item no. HP-FL-D** **235,00 €**

with holder for fastening on the lifting bar



### Extension pipe DN 100

**Item no. ROHR200** **23,50 €**

200 mm

### Extension pipe DN 100

**Item no. ROHR500** **33,50 €**

500 mm

### Extension pipe DN 100

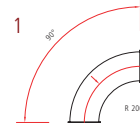
**Item no. ROHR1000** **53,50 €**

1000 mm



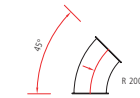
### Pipe bend DN 100 (90°) <sup>1</sup>

**Item no. RBG90** **98,50 €**



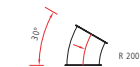
### Pipe bend DN 100 (45°)

**Item no. RBG45** **70,50 €**



### Pipe bend DN 100 (30°) <sup>2</sup>

**Item no. RBG30** **49,00 €**



### Clamping ring DN 100 incl. sealing ring

**Item no. SPR** **23,50 €**



### Ceiling holder

**Item no. DH** **23,50 €**



### Wall holder

**Item no. WH** **66,00 €**



### Grounding clamp

**Item no. ERD-SHELL-V2** **9,00 €**



## COUPLING



### Aluminum coupling "Storz A"

**Item no. HP-KUP**  
with temporary cover and closing cap

**77,00 €**



### Ventilation cover for storage room ventilation

**Item no. HP-LD**  
for existing aluminum coupling „Storz A“, usage in accordance with VDI guidelines

**45,00 €**



### Aluminum coupling "Guillemin"

**Item no. HP-KUP-FR**  
with temporary cover and closing cap

**193,00 €**

## ACCESSORIES PELLET STORAGE ROOM



### Pellet filling set with wall flange plate

**Item no. HP-FÜLLSET-1**

**278,00 €**

Filling system for pellet storage room - Attention: not extendable, as it does not have a flange rim.

Fitting set completely assembled consisting of: 2 pcs. pellet filling nozzle 500 mm DN 100 1 mm, flange rim on one side, 2 pcs. pressure coupling Storz A welded on, 2 pcs. ventilation cover, 2 pcs. aluminium wall flange plate 200 x 200 mm, 3 mm thick, 2 pcs. blind flange and fastening material

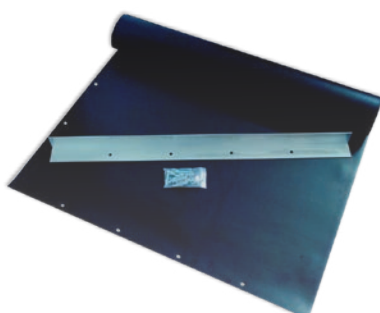


### Pellet filling set with wall flange plate and flange rim

**Item no. HP-FÜLLSET-2**

**390,00 €**

Fitting set completely assembled consisting of 2 pcs. pellet filling nozzle 500 mm DN 100 1 mm and flange rim on two sides, 2 pcs. pressure coupling Storz A, 2 pcs. ventilation cover, 2 pcs. clamping ring in 2 parts, 2 pcs. aluminium wall flange plate 200 x 200 mm, 3 mm thick, 2 pcs. blind flange and fastening material



### Pellet impact protection mat

**Item no. HP-PRALL**

**76,00 €**

Fitting set completely assembled consisting of 1 pc. impact protection mat 1000 x 1200 mm, 1 pc. fastening rail and fastening material

## FILLING LEVEL MONITORING FOR A.B.S. Flexilo

### Punctual filling level monitoring by means of a rotating wing sensor

Sturdy, safe and reliable – the A.B.S. rotating wing sensor is a measuring device to detect levels in silos and containers. The rotating wing principle is ideally suited to indicate full-, requirement- or empty levels.

### HIGHLIGHTS

- ▶ For use as full, requirement or empty level indicator
- ▶ High reliability and low-maintenance continuous operation
- ▶ Easy installation and use
- ▶ Level of indication freely selectable

### TECHNICAL INFORMATION

- ▶ Rotating wing sensor, standard 24 V –optionally 230 V
- ▶ Compatible with control provided by the customer (e.g. boiler control)

### SCOPE OF DELIVERY

- ▶ Rotating wing sensor incl. support for lateral installation
- ▶ Optional A.B.S. control with signal lamp, buzzer and acknowledgement key for buzzer
- ▶ Assembly instruction



## SUITABLE FOR THE SILO TYPES: Flexilo STANDARD, ECO, MAXI, OUTDOOR, TROUGH, MODULE, SPRING

#### filling level indicator as low-level indicator

A.B.S. rotating wing sensor for punctual filling level control

**Item no. HP-FM-LEER**

**890,00 €\***

#### filling level indicator as full-level indicator

A.B.S. rotating wing sensor for punctual filling level control

**Item no. HP-FM-VOLL**

**890,00 €\***

#### filling level indicator as low-level indicator incl. control

A.B.S. rotating wing sensor for punctual filling level control

**Item no. HP-FM-LEER-S**

**1.605,00 €\***

#### filling level indicator as full-level indicator incl. control

A.B.S. rotating wing sensor for punctual filling level control

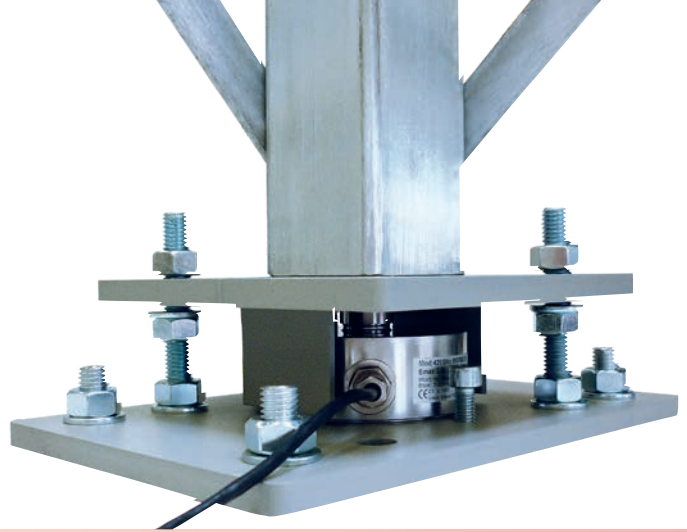
**Item no. HP-FM-VOLL-S**

**1.605,00 €\***



\* Another discount group applies here





## THE A.B.S. WEIGHING SYSTEM

### Continuous filling level monitoring in a simple form

The new A.B.S. weighing system in a simple form enables you to reliably check the pellet supply in your fabric silo.

### HIGHLIGHTS

- ▶ Clearly arranged LCD display (DP100)
- ▶ Easy installation and use
- ▶ Measurements with an accuracy of 100 kilograms

### TECHNICAL INFORMATION

- ▶ Measurements by force sensors which are mounted under the steel frame
- ▶ Construction height will be considered when laying out the frame
- ▶ Filling level readable on a LCD evaluation device (DP100)



## SUITABLE FOR THE SILO TYPES: Flexilo STANDARD AND Flexilo MAXI

### A.B.S. weighing system

A.B.S. weighing system STANDARD for continuous filling level control until 10 t

**Item no. HP-WS**

**1.295,00 €\***

\* Another discount group applies here



## THE A.B.S. WEIGHING SYSTEM COMFORT

### Continuous filling level monitoring with requirement notification

The new A.B.S. weighing system comfort enables you to check your pellet supply in your fabric silo easily and conveniently and you can set the requirement notification by entering a variable value.

### HIGHLIGHTS

- ▶ Clearly arranged LCD display (DAT500) integrated in control unit
- ▶ Easy installation and reliable use
- ▶ Individually adjustable requirement- or alarm notification

### TECHNICAL INFORMATION

- ▶ Measurements by force sensors which are mounted under the steel frame
- ▶ Installation height will be considered when laying out the frame
- ▶ Filling level readable on the LCD display of the evaluation device (DAT500)
- ▶ Potential-free output for customer control units or GSM dialing device
- ▶ Power supply 220-240 V

### SCOPE OF DELIVERY

- ▶ Weighing system
- ▶ Evaluation device DAT500 with an LCD display
- ▶ A.B.S. control with signal lamp, buzzer and acknowledgement key for buzzer
- ▶ Assembly instruction



## SUITABLE FOR THE SILO TYPES: Flexilo STANDARD AND Flexilo MAXI

### A.B.S. weighing system Comfort10

for continuous filling level monitoring until 10 t

**Item no. HP-WS-C10**

**2.590,00 €\***

### A.B.S. weighing system Comfort20

for continuous filling level monitoring until 20 t

**Item no. HP-WS-C20**

**4.240,00 €\***

### A.B.S. weighing system Comfort20+

for continuous filling level monitoring for more than 20 t

**Item no. HP-WS-C20+**

**5.655,00 €\***

\* Another discount group applies here



## THE A.B.S. GSM DIALING DEVICE

The GSM dialing device keeps you informed, on current filling levels, minimum levels or boiler malfunctions.

### HIGHLIGHTS

- ▶ Multiple telephone or fax numbers can be programmed easily
- ▶ Notification via text message (SMS) or voice announcements
- ▶ Call sequence, intervals between calls and confirmation of acceptance freely selectable

### TECHNICAL INFORMATION

- ▶ Connectivity via a potential-free contact (on A.B.S.- or customer control units)
- ▶ Outputs signal to mobile phone, telephone and fax machine
- ▶ **IMPORTANT:** Mobile reception required!

### SCOPE OF DELIVERY

- ▶ GSM dialing device
- ▶ Assembly instruction

#### A.B.S. GSM dialing device

A.B.S. dialing device for low-level indication, fault indication etc.

**Item no. HP-GSM**



**760,00 €**



## ACCESSORIES

#### A.B.S. external signal lamp with fixation

**Item no. HP-LEUCHTE**

Signal lamp and horn can be easily integrated in the control and placed in every room

**165,00 €**



#### A.B.S. external horn

**Item no. HP-HUPE**

Signal lamp and horn can be easily integrated in the control and placed in every room

**250,00 €**



# REALIZE STORAGE SYSTEMS. FIND SOLUTIONS WHICH STAND THE TEST. BE PROACTIVE AND THINK AHEAD. THESE ARE OUR FORCES – SINCE MORE THAN 35 YEARS

A.B.S. works with specialized knowledge and ultra-modern production methods from the planning up to the finish processing. You will receive tailor-made silo solutions of all Flexilo fabric silos at the highest level. We are your partner for professional and elaborated solutions with special requirements. Therefore you will receive a perfect and well-coordinated storage system. And this for every pellet boiler, for every conveyor and for every difficult constructional situation of the building e. g. vaulted cellar, low cellar ceilings, rooms with high humidity, attics and garages.

## EASY AND FAST INSTALLATION



Installation Video  
via Internet >>>



The well thought-out connection system guarantees very short installation times

## CERTIFICATE

### The Hohenstein Institute

The Hohenstein Institute is a trusted partner whenever the quality of textiles has to be assessed or optimized through material testing. The fabric used for the pellet silos therefore regularly undergoes material testing for mechanical strength. The Institute gives the A.B.S. fabric the mark of absolute breaking strength.



### ATEX

Our silos and silo systems are designed taking into account the applicable regulations and standards. For applications with corresponding zoning, we also comply with the ATEX directives, providing more safety in the field of explosion protection with our products. Our decades of experience in the storage of bulk materials with a wide range of different requirements allows us to offer process reliability and cost savings.



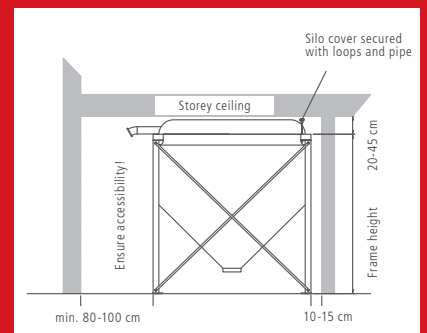
## OUR MEMBER ASSOCIATIONS



## INSTALLATION SITE REQUIREMENTS

A load-bearing surface is a prerequisite for the location. The surface must be horizontal or must be levelled off with suitable underlay (e.g. steel plates). Depending on the storage type, the load-bearing capacity of the floor must be suitable for point and surface loads. A distance of 10 to 15 cm is required between the silo and wall for ventilation. The height of the silo depends on the height of the room. The spacing between the steel struts and the ceiling must be at least 20 to 25 cm, as the filling pipe will utilise this space.

**There are other minimum spacing requirements to be observed depending on the type of silo to be used. Please observe the details for each individual silo!**



## MAINTENANCE

For optimal function of the pellet boiler and removal system, we recommend - according to pellet consumption and quality – A.B.S.-Silos to be completely emptied at regular intervals.

## OUR REFERENCES INCLUDE:

- ▶ One- and multi- family houses
- ▶ Public institutions like city halls, rectories and churches
- ▶ commercial and industrial buildings
- ▶ schools, kindergarten, leisure facilities
- ▶ hospitals, retirement and nursing homes
- ▶ military properties
- ▶ historical buildings and memorials



# 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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Germany  
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WE MAKE IT FIT