

THE A.B.S. Flexilo STANDARD

Flexilo – the all-rounder

The classic design with cone-shaped fabric outlet guarantees safe pellet discharge and can be combined with nearly any extraction unit.

Flexilo as cascade solution

Here several Flexilo are connected with a continuous spiral. The pellets are either transported to a suction point, or directly into the day hopper or pellet boiler. We recommend this silo solution especially in the high power range (above 50 kW). You can find spirals and cascade installation examples on page 15.



DIN-Certificate Registration numbers: 8L002, 8L003, 8L005

Flexilo cascade

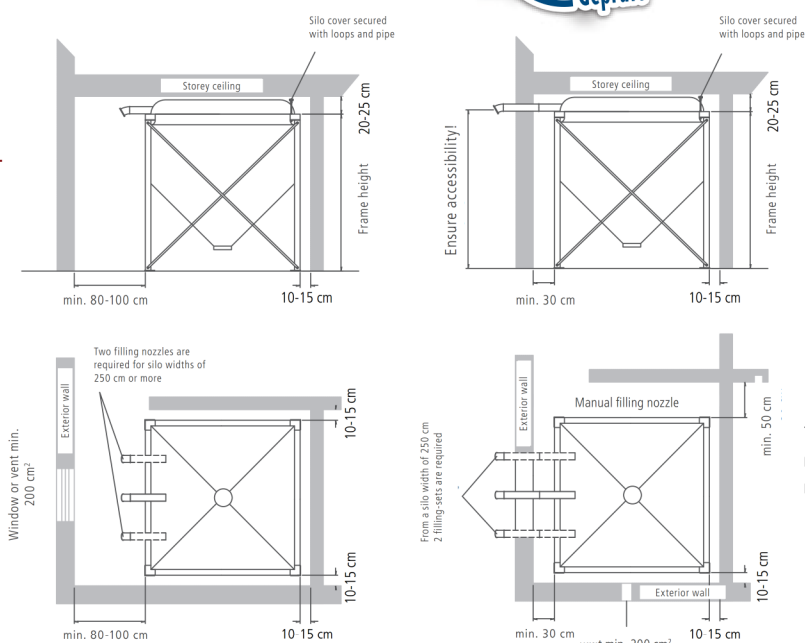


HIGHLIGHTS

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

We will be pleased to assist you with planning your silo.

Installation example Flexilo



Section silo installation

!
The position of the manual filling nozzle must be specified

Layout silo installation

TECHNICAL INFORMATION

Bulk weight wood pellets: 0.65 t/m³

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.

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 (½" pipe galvanized should be provided by the customer)
- Assembly instructions



IMPORTANT

In the planning stage, please observe information provided in the chapter "Requirements for the installation site", page 3
Please observe the current Firing Ordinance applicable in your country

FILLING FLEXILO



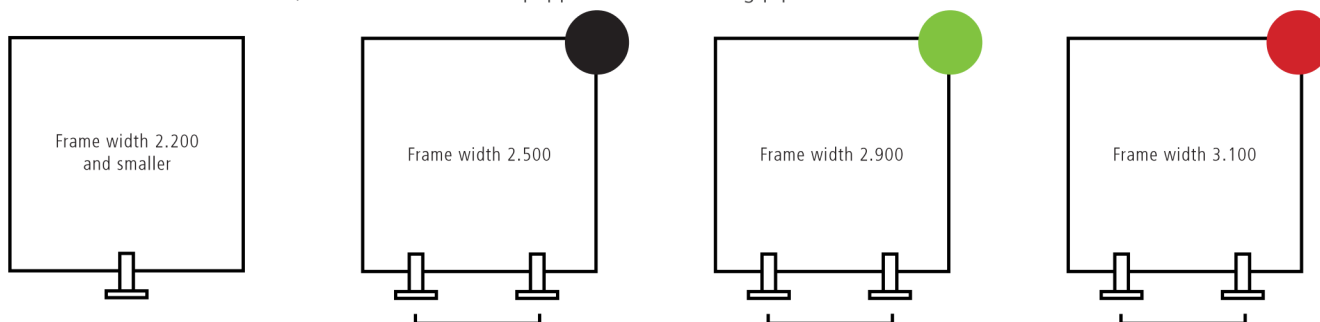
Filling is performed from the side, in this way a better filling degree will be achieved. Our silos are equipped with an impact protection opponent to the filling pipe, that provides gentle filling of the pellets.



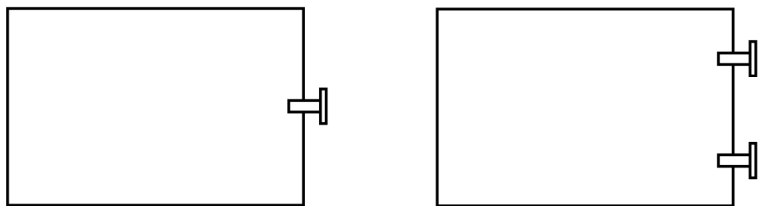
Ventilation can be abandoned, if there is a ventilation opening in your storage room (200 m² minimum).

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).



Our accessories for filling systems can be found on page 34

PRODUCT OVERVIEW **Flexilo STANDARD**

for wood pellets

Wood pellets silos for room height 2.0 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
HP12/16G	1300	1300	1800	2.0	1.5 - 2.0	1.0 - 1.3		
HP15X12/16G	1600	1300	1800	2.0	1.8 - 2.3	1.2 - 1.5		
HP15/16G	1600	1600	1800	2.0	2.2 - 2.9	1.4 - 1.9		
HP18X15/16G	1900	1600	1800	2.0	2.4 - 3.2	1.6 - 2.1		
HP18/16G	1900	1900	1800	2.0	2.9 - 3.8	1.9 - 2.5		
HP21X18/16G	2200	1900	1800	2.0	3.0 - 4.1	1.9 - 2.6		
HP24X18/16G	2500	1900	1800	2.0	3.0 - 4.2	2.0 - 2.7		
HP21/16G	2200	2200	1800	2.0	3.5 - 4.7	2.3 - 3.1		
HP24X21/16G	2500	2200	1800	2.0	3.5 - 4.9	2.3 - 3.2		
HP24/16G	2500	2500	1800	2.0	4.0 - 5.6	2.6 - 3.6		✓ •

Wood pellets silos for room height 2.1 m: frame height 1.9 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
HP12/17G	1300	1300	1900	2.1	1.7 - 2.1	1.1 - 1.4		
HP15X12/17G	1600	1300	1900	2.1	1.9 - 2.5	1.3 - 1.6		
HP15/17G	1600	1600	1900	2.1	2.4 - 3.1	1.6 - 2.0		
HP18X15/17G	1900	1600	1900	2.1	2.7 - 3.4	1.7 - 2.2		
HP18/17G	1900	1900	1900	2.1	3.2 - 4.1	2.1 - 2.7		
HP21X18/17G	2200	1900	1900	2.1	3.3 - 4.4	2.2 - 2.9		
HP24X18/17G	2500	1900	1900	2.1	3.4 - 4.6	2.2 - 3.0		
HP21/17G	2200	2200	1900	2.1	3.9 - 5.2	2.5 - 3.4		
HP24X21/17G	2500	2200	1900	2.1	4.0 - 5.4	2.6 - 3.5		
HP24/17G	2500	2500	1900	2.1	4.5 - 6.2	2.9 - 4.0		✓ •

Wood pellets silos for room height 2.2 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
HP12/18G	1300	1300	2000	2.2	1.8 - 2.3	1.2 - 1.5		
HP15X12/18G	1600	1300	2000	2.2	2.1 - 2.7	1.4 - 1.7		
HP18X12/18G	1900	1300	2000	2.2	2.3 - 3.0	1.5 - 1.9		
HP15/18G	1600	1600	2000	2.2	2.6 - 3.3	1.7 - 2.1		
HP18X15/18G	1900	1600	2000	2.2	2.9 - 3.7	1.9 - 2.4		
HP21X15/18G	2200	1600	2000	2.2	3.1 - 4.0	2.0 - 2.6		
HP18/18G	1900	1900	2000	2.2	3.5 - 4.4	2.3 - 2.9		
HP21X18/18G	2200	1900	2000	2.2	3.7 - 4.8	2.4 - 3.1		
HP24X18/18G	2500	1900	2000	2.2	3.8 - 5.1	2.5 - 3.3		
HP21/18G	2200	2200	2000	2.2	4.3 - 5.6	2.8 - 3.6		
HP24X21/18G	2500	2200	2000	2.2	4.5 - 5.9	2.9 - 3.8		
HP28X21/18G	2900	2200	2000	2.2	4.5 - 6.1	2.9 - 4.0		
HP24/18G	2500	2500	2000	2.2	5.1 - 6.7	3.3 - 4.4		✓ •
HP28X24/18G	2900	2500	2000	2.2	5.1 - 7.0	3.3 - 4.5		✓ •
HP28/18G	2900	2900	2000	2.2	5.9 - 8.1	3.8 - 5.3		✓ •

Wood pellets silos for room height 2.3 m: frame height 2.1 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
HP12/19G	1300	1300	2100	2.3	2.0 - 2.4	1.3 - 1.6		
HP15X12/19G	1600	1300	2100	2.3	2.3 - 2.8	1.5 - 1.8		
HP18X12/19G	1900	1300	2100	2.3	2.5 - 3.2	1.7 - 2.1		
HP15/19G	1600	1600	2100	2.3	2.9 - 3.5	1.9 - 2.3		
HP18X15/19G	1900	1600	2100	2.3	3.2 - 4.0	2.1 - 2.6		
HP21X15/19G	2200	1600	2100	2.3	3.4 - 4.3	2.2 - 2.8		
HP18/19G	1900	1900	2100	2.3	3.8 - 4.8	2.5 - 3.1		

PRODUCT OVERVIEW Flexilo STANDARD

Continuation

Wood pellets silos for room height 2.3 m: frame height 2.1 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
HP21X18/19G	2200	1900	2100	2.3	4.1 - 5.2	2.6 - 3.4		
HP24X18/19G	2500	1900	2100	2.3	4.3 - 5.5	2.8 - 3.6		
HP21/19G	2200	2200	2100	2.3	4.7 - 6.0	3.1 - 3.9		
HP24X21/19G	2500	2200	2100	2.3	4.9 - 6.4	3.2 - 4.2		
HP28X21/19G	2900	2200	2100	2.3	5.0 - 6.7	3.3 - 4.4	✓	
HP24/19G	2500	2500	2100	2.3	5.6 - 7.3	3.7 - 4.8		✓ •
HP28X24/19G	2900	2500	2100	2.3	5.7 - 7.7	3.7 - 5.0	✓	✓ •
HP28/19G	2900	2900	2100	2.3	6.7 - 8.9	4.3 - 5.8	✓	✓ •
Wood pellets silos for room height 2.4 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
HP12/20G	1300	1300	2200	2.4	2.1 - 2.5	1.4 - 1.7		
HP15X12/20G	1600	1300	2200	2.4	2.5 - 3.0	1.6 - 2.0		
HP18X12/20G	1900	1300	2200	2.4	2.8 - 3.4	1.8 - 2.2		
HP15/20G	1600	1600	2200	2.4	3.1 - 3.8	2.0 - 2.4		
HP18X15/20G	1900	1600	2200	2.4	3.4 - 4.2	2.2 - 2.8		
HP21X15/20G	2200	1600	2200	2.4	3.7 - 4.7	2.4 - 3.0		
HP18/20G	1900	1900	2200	2.4	4.1 - 5.1	2.7 - 3.3		
HP21X18/20G	2200	1900	2200	2.4	4.4 - 5.6	2.9 - 3.6		
HP24X18/20G	2500	1900	2200	2.4	4.7 - 5.9	3.0 - 3.9		
HP21/20G	2200	2200	2200	2.4	5.2 - 6.5	3.4 - 4.2		
HP24X21/20G	2500	2200	2200	2.4	5.4 - 6.9	3.5 - 4.5		
HP28X21/20G	2900	2200	2200	2.4	5.6 - 7.3	3.6 - 4.7	✓	
HP24/20G	2500	2500	2200	2.4	6.2 - 7.9	4.0 - 5.1		✓ •
HP28X24/20G	2900	2500	2200	2.4	6.4 - 8.3	4.2 - 5.4	✓	✓ •
HP28/20G	2900	2900	2200	2.4	7.4 - 9.7	4.8 - 6.3	✓	✓ •
Wood pellets silos for room height 2.5 m: frame height 2.3 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
HP12/21G	1300	1300	2300	2.5	2.2 - 2.7	1.5 - 1.8		
HP15X12/21G	1600	1300	2300	2.5	2.6 - 3.2	1.7 - 2.1		
HP18X12/21G	1900	1300	2300	2.5	3.0 - 3.6	1.9 - 2.4		
HP15/21G	1600	1600	2300	2.5	3.3 - 4.0	2.1 - 2.6		
HP18X15/21G	1900	1600	2300	2.5	3.7 - 4.5	2.4 - 2.9		
HP21X15/21G	2200	1600	2300	2.5	4.0 - 5.0	2.6 - 3.2		
HP18/21G	1900	1900	2300	2.5	4.4 - 5.4	2.9 - 3.5		
HP21X18/21G	2200	1900	2300	2.5	4.8 - 5.9	3.1 - 3.9		
HP24X18/21G	2500	1900	2300	2.5	5.1 - 6.4	3.3 - 4.1		
HP21/21G	2200	2200	2300	2.5	5.6 - 6.9	3.6 - 4.5		
HP24X21/21G	2500	2200	2300	2.5	5.9 - 7.4	3.8 - 4.8		
HP28X21/21G	2900	2200	2300	2.5	6.2 - 7.9	4.0 - 5.1	✓	
HP24/21G	2500	2500	2300	2.5	6.7 - 8.5	4.4 - 5.5		✓ •
HP28X24/21G	2900	2500	2300	2.5	7.0 - 9.0	4.6 - 5.9	✓	✓ •
HP28/21G	2900	2900	2300	2.5	8.2 - 10.5	5.3 - 6.8	✓	✓ •
HP30X28/21G	3100	2900	2300	2.5	8.2 - 10.7	5.4 - 6.9	✓	✓ •
HP30/21G	3100	3100	2300	2.5	8.8 - 11.4	5.7 - 7.4	✓	✓ •
Wood pellets silos for room height 2.6 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
HP12/22G	1300	1300	2400	2.6	2.4 - 2.8	1.5 - 1.8		
HP15X12/22G	1600	1300	2400	2.6	2.8 - 3.4	1.8 - 2.2		
HP18X12/22G	1900	1300	2400	2.6	3.2 - 3.8	2.1 - 2.5		

PRODUCT OVERVIEW Flexilo STANDARD

Continuation

Wood pellets silos for room height 2.6 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
HP15/22G	1600	1600	2400	2.6	3.5 - 4.2	2.3 - 2.7		
HP18X15/22G	1900	1600	2400	2.6	3.9 - 4.8	2.6 - 3.1		
HP21X15/22G	2200	1600	2400	2.6	4.3 - 5.3	2.8 - 3.4		
HP18/22G	1900	1900	2400	2.6	4.7 - 5.7	3.1 - 3.7		
HP21X18/22G	2200	1900	2400	2.6	5.2 - 6.3	3.4 - 4.1		
HP24X18/22G	2500	1900	2400	2.6	5.5 - 6.8	3.6 - 4.4		
HP21/22G	2200	2200	2400	2.6	6.0 - 7.4	3.9 - 4.8		
HP24X21/22G	2500	2200	2400	2.6	6.4 - 7.9	4.2 - 5.2		
HP28X21/22G	2900	2200	2400	2.6	6.7 - 8.5	4.4 - 5.5	✓	
HP24/22G	2500	2500	2400	2.6	7.3 - 9.0	4.7 - 5.9		✓ •
HP28X24/22G	2900	2500	2400	2.6	7.7 - 9.7	5.0 - 6.3	✓	✓ •
HP28/22G	2900	2900	2400	2.6	8.9 - 11.3	5.8 - 7.3	✓	✓ •
HP30X28/22G	3100	2900	2400	2.6	9.0 - 11.5	5.9 - 7.5	✓	✓ •
HP30/22G	3100	3100	2400	2.6	9.7 - 12.3	6.3 - 8.0	✓	✓ •
Wood pellets silos for room height 2.9 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
HP12/25G	1300	1300	2700	2.9	2.8 - 3.3	1.8 - 2.1		
HP15X12/25G	1600	1300	2700	2.9	3.3 - 3.9	2.2 - 2.5		
HP18X12/25G	1900	1300	2700	2.9	3.8 - 4.5	2.5 - 2.9		
HP15/25G	1600	1600	2700	2.9	4.1 - 4.9	2.7 - 3.2		
HP18X15/25G	1900	1600	2700	2.9	4.7 - 5.6	3.1 - 3.6		
HP21X15/25G	2200	1600	2700	2.9	5.2 - 6.2	3.4 - 4.0		
HP18/25G	1900	1900	2700	2.9	5.7 - 6.7	3.7 - 4.4		
HP21X18/25G	2200	1900	2700	2.9	6.3 - 7.5	4.1 - 4.8		
HP24X18/25G	2500	1900	2700	2.9	6.7 - 8.1	4.4 - 5.3		
HP21/25G	2200	2200	2700	2.9	7.3 - 8.7	4.7 - 5.6		
HP24X21/25G	2500	2200	2700	2.9	7.9 - 9.4	5.1 - 6.1		
HP28X21/25G	2900	2200	2700	2.9	8.4 - 10.2	5.5 - 6.7	✓	
HP24/25G	2500	2500	2700	2.9	9.0 - 10.8	5.8 - 7.0		✓ •
HP28X24/25G	2900	2500	2700	2.9	9.6 - 11.7	6.2 - 7.6	✓	✓ •
HP28/25G	2900	2900	2700	2.9	11.2 - 13.6	7.3 - 8.8	✓	✓ •
HP30X28/25G	3100	2900	2700	2.9	11.5 - 14.0	7.5 - 9.1	✓	✓ •
HP30/25G	3100	3100	2700	2.9	12.3 - 15.0	8.0 - 9.8	✓	✓ •

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 6

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



We recommend using the Flexilo made of our MAXI fabric for a pellet boiler output of 60 kW and higher.

Price on request

Our removal accessories for Flexilo can be found starting on page 14



Flexilo
with cone holding frame



Flexilo
without cone holding frame
and one filling nozzle