

PRODUCT LIST Flexilos®

⟨ ... 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 [m ³]	Tonnage [t]	CH	Z
HP12/16G-E	1300	1300	1800	2,0	1,5 - 2,0	1,0 - 1,3		
HP15X12/16G-E	1600	1300	1800	2,0	1,8 - 2,3	1,2 - 1,5		
HP15/16G-E	1600	1600	1800	2,0	2,2 - 2,9	1,4 - 1,9		
HP18X15/16G-E	1900	1600	1800	2,0	2,4 - 3,2	1,6 - 2,1		
HP18/16G-E	1900	1900	1800	2,0	2,9 - 3,8	1,9 - 2,5		
HP21X18/16G-E	2200	1900	1800	2,0	3,0 - 4,1	1,9 - 2,6		
HP24X18/16G-E	2500	1900	1800	2,0	3,0 - 4,2	2,0 - 2,7		
HP21/16G-E	2200	2200	1800	2,0	3,5 - 4,7	2,3 - 3,1		
HP24X21/16G-E	2500	2200	1800	2,0	3,5 - 4,9	2,3 - 3,2		
HP24/16G-E	2500	2500	1800	2,0	4,0 - 5,6	2,6 - 3,6		yes ●

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 [m ³]	Tonnage [t]	CH	Z
HP12/17G-E	1300	1300	1900	2,1	1,7 - 2,1	1,1 - 1,4		
HP15X12/17G-E	1600	1300	1900	2,1	1,9 - 2,5	1,3 - 1,6		
HP15/17G-E	1600	1600	1900	2,1	2,4 - 3,1	1,6 - 2,0		
HP18X15/17G-E	1900	1600	1900	2,1	2,7 - 3,4	1,7 - 2,2		
HP18/17G-E	1900	1900	1900	2,1	3,2 - 4,1	2,1 - 2,7		
HP21X18/17G-E	2200	1900	1900	2,1	3,3 - 4,4	2,2 - 2,9		
HP24X18/17G-E	2500	1900	1900	2,1	3,4 - 4,6	2,2 - 3,0		
HP21/17G-E	2200	2200	1900	2,1	3,9 - 5,2	2,5 - 3,4		
HP24X21/17G-E	2500	2200	1900	2,1	4,0 - 5,4	2,6 - 3,5		
HP24/17G-E	2500	2500	1900	2,1	4,5 - 6,2	2,9 - 4,0		yes ●

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 [m ³]	Tonnage [t]	CH	Z
HP12/18G-E	1300	1300	2000	2,2	1,8 - 2,3	1,2 - 1,5		
HP15X12/18G-E	1600	1300	2000	2,2	2,1 - 2,7	1,4 - 1,7		
HP18X12/18G-E	1900	1300	2000	2,2	2,3 - 3,0	1,5 - 1,9		
HP15/18G-E	1600	1600	2000	2,2	2,6 - 3,3	1,7 - 2,1		
HP18X15/18G-E	1900	1600	2000	2,2	2,9 - 3,7	1,9 - 2,4		
HP21X15/18G-E	2200	1600	2000	2,2	3,1 - 4,0	2,0 - 2,6		
HP18/18G-E	1900	1900	2000	2,2	3,5 - 4,4	2,3 - 2,9		
HP21X18/18G-E	2200	1900	2000	2,2	3,7 - 4,8	2,4 - 3,1		
HP24X18/18G-E	2500	1900	2000	2,2	3,8 - 5,1	2,5 - 3,3		
HP21/18G-E	2200	2200	2000	2,2	4,3 - 5,6	2,8 - 3,6		
HP24X21/18G-E	2500	2200	2000	2,2	4,5 - 5,9	2,9 - 3,8		
HP28X21/18G-E	2900	2200	2000	2,2	4,5 - 6,1	2,9 - 4,0	yes	
HP24/18G-E	2500	2500	2000	2,2	5,1 - 6,7	3,3 - 4,4		yes ●
HP28X24/18G-E	2900	2500	2000	2,2	5,1 - 7,0	3,3 - 4,5	yes	yes ●
HP28/18G-E	2900	2900	2000	2,2	5,9 - 8,1	3,8 - 5,3	yes	yes ●

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 [m ³]	Tonnage [t]	CH	Z
HP12/19G-E	1300	1300	2100	2,3	2,0 - 2,4	1,3 - 1,6		
HP15X12/19G-E	1600	1300	2100	2,3	2,3 - 2,8	1,5 - 1,8		
HP18X12/19G-E	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		

www.abs-silos.de

A.B.S. Silo- und Förderanlagen GmbH • Industriepark 100 • D - 74706 Osterburken

Telefon +49 6291 6422-0 • Telefax +49 6291 6422-50

E-mail info@abs-silos.de • Internet www.abs-silos.de



PRODUCT LIST Flexilos®

Continued: Wood pellets silos for room height 2,3 m: frame height 2,1 m

HP18X15/19G-E	1900	1600	2100	2,3	3,2 - 4,0	2,1 - 2,6		
HP21X15/19G-E	2200	1600	2100	2,3	3,4 - 4,3	2,2 - 2,8		
HP18/19G-E	1900	1900	2100	2,3	3,8 - 4,8	2,5 - 3,1		
HP21X18/19G-E	2200	1900	2100	2,3	4,1 - 5,2	2,6 - 3,4		
HP24X18/19G-E	2500	1900	2100	2,3	4,3 - 5,5	2,8 - 3,6		
HP21/19G-E	2200	2200	2100	2,3	4,7 - 6,0	3,1 - 3,9		
HP24X21/19G-E	2500	2200	2100	2,3	4,9 - 6,4	3,2 - 4,2		
HP28X21/19G-E	2900	2200	2100	2,3	5,0 - 6,7	3,3 - 4,4	yes	
HP24/19G-E	2500	2500	2100	2,3	5,6 - 7,3	3,7 - 4,8		yes ●
HP28X24/19G-E	2900	2500	2100	2,3	5,7 - 7,7	3,7 - 5,0	yes	yes ●
HP28/19G-E	2900	2900	2100	2,3	6,7 - 8,9	4,3 - 5,8	yes	yes ●

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-E	1300	1300	2200	2,4	2,1 - 2,5	1,4 - 1,7		
HP15X12/20G-E	1600	1300	2200	2,4	2,5 - 3,0	1,6 - 2,0		
HP18X12/20G-E	1900	1300	2200	2,4	2,8 - 3,4	1,8 - 2,2		
HP15/20G-E	1600	1600	2200	2,4	3,1 - 3,8	2,0 - 2,4		
HP18X15/20G-E	1900	1600	2200	2,4	3,4 - 4,2	2,2 - 2,8		
HP21X15/20G-E	2200	1600	2200	2,4	3,7 - 4,7	2,4 - 3,0		
HP18/20G-E	1900	1900	2200	2,4	4,1 - 5,1	2,7 - 3,3		
HP21X18/20G-E	2200	1900	2200	2,4	4,4 - 5,6	2,9 - 3,6		
HP24X18/20G-E	2500	1900	2200	2,4	4,7 - 5,9	3,0 - 3,9		
HP21/20G-E	2200	2200	2200	2,4	5,2 - 6,5	3,4 - 4,2		
HP24X21/20G-E	2500	2200	2200	2,4	5,4 - 6,9	3,5 - 4,5		
HP28X21/20G-E	2900	2200	2200	2,4	5,6 - 7,3	3,6 - 4,7	yes	
HP24/20G-E	2500	2500	2200	2,4	6,2 - 7,9	4,0 - 5,1		yes ●
HP28X24/20G-E	2900	2500	2200	2,4	6,4 - 8,3	4,2 - 5,4	yes	yes ●
HP28/20G-E	2900	2900	2200	2,4	7,4 - 9,7	4,8 - 6,3	yes	yes ●

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-E	1300	1300	2300	2,5	2,2 - 2,7	1,5 - 1,8		
HP15X12/21G-E	1600	1300	2300	2,5	2,6 - 3,2	1,7 - 2,1		
HP18X12/21G-E	1900	1300	2300	2,5	3,0 - 3,6	1,9 - 2,4		
HP15/21G-E	1600	1600	2300	2,5	3,3 - 4,0	2,1 - 2,6		
HP18X15/21G-E	1900	1600	2300	2,5	3,7 - 4,5	2,4 - 2,9		
HP21X15/21G-E	2200	1600	2300	2,5	4,0 - 5,0	2,6 - 3,2		
HP18/21G-E	1900	1900	2300	2,5	4,4 - 5,4	2,9 - 3,5		
HP21X18/21G-E	2200	1900	2300	2,5	4,8 - 5,9	3,1 - 3,9		
HP24X18/21G-E	2500	1900	2300	2,5	5,1 - 6,4	3,3 - 4,1		
HP21/21G-E	2200	2200	2300	2,5	5,6 - 6,9	3,6 - 4,5		
HP24X21/21G-E	2500	2200	2300	2,5	5,9 - 7,4	3,8 - 4,8		
HP28X21/21G-E	2900	2200	2300	2,5	6,2 - 7,9	4,0 - 5,1	yes	
HP24/21G-E	2500	2500	2300	2,5	6,7 - 8,5	4,4 - 5,5		yes ●
HP28X24/21G-E	2900	2500	2300	2,5	7,0 - 9,0	4,6 - 5,9	yes	yes ●
HP28/21G-E	2900	2900	2300	2,5	8,2 - 10,5	5,3 - 6,8	yes	yes ●
HP30X28/21G-E	3100	2900	2300	2,5	8,2 - 10,7	5,4 - 6,9	yes	yes ●
HP30/21G-E	3100	3100	2300	2,5	8,8 - 11,4	5,7 - 7,4	yes	yes ●

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-E	1300	1300	2400	2,6	2,4 - 2,8	1,5 - 1,8		
HP15X12/22G-E	1600	1300	2400	2,6	2,8 - 3,4	1,8 - 2,2		
HP18X12/22G-E	1900	1300	2400	2,6	3,2 - 3,8	2,1 - 2,5		
HP15/22G-E	1600	1600	2400	2,6	3,5 - 4,2	2,3 - 2,7		
HP18X15/22G-E	1900	1600	2400	2,6	3,9 - 4,8	2,6 - 3,1		
HP21X15/22G-E	2200	1600	2400	2,6	4,3 - 5,3	2,8 - 3,4		

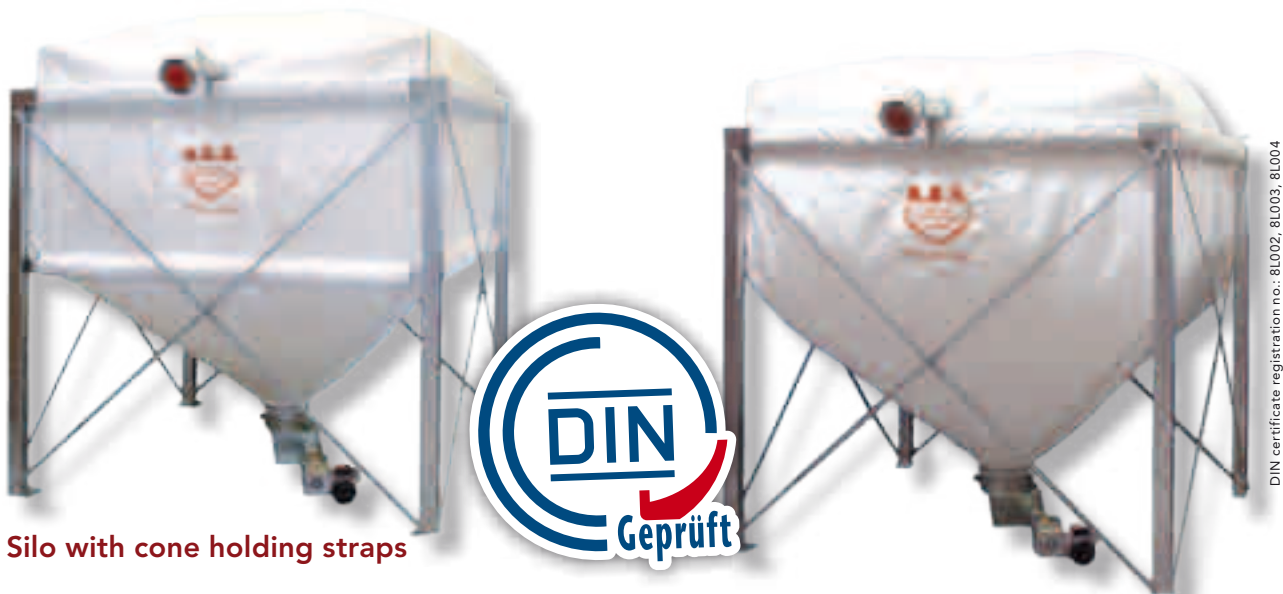
PRODUCT LIST Flexilos®

Continued: Wood pellets silos for room height 2,6 m: frame height 2,4 m

HP18/22G-E	1900	1900	2400	2,6	4,7 - 5,7	3,1 - 3,7		
HP21X18/22G-E	2200	1900	2400	2,6	5,2 - 6,3	3,4 - 4,1		
HP24X18/22G-E	2500	1900	2400	2,6	5,5 - 6,8	3,6 - 4,4		
HP21/22G-E	2200	2200	2400	2,6	6,0 - 7,4	3,9 - 4,8		
HP24X21/22G-E	2500	2200	2400	2,6	6,4 - 7,9	4,2 - 5,2		
HP28X21/22G-E	2900	2200	2400	2,6	6,7 - 8,5	4,4 - 5,5	yes	
HP24/22G-E	2500	2500	2400	2,6	7,3 - 9,0	4,7 - 5,9		yes ●
HP28X24/22G-E	2900	2500	2400	2,6	7,7 - 9,7	5,0 - 6,3	yes	yes ●
HP28/22G-E	2900	2900	2400	2,6	8,9 - 11,3	5,8 - 7,3	yes	yes ●
HP30X28/22G-E	3100	2900	2400	2,6	9,0 - 11,5	5,9 - 7,5	yes	yes ●
HP30/22G-E	3100	3100	2400	2,6	9,7 - 12,3	6,3 - 8,0	yes	yes ●

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-E	1300	1300	2700	2,9	2,8 - 3,3	1,8 - 2,1		
HP15X12/25G-E	1600	1300	2700	2,9	3,3 - 3,9	2,2 - 2,5		
HP18X12/25G-E	1900	1300	2700	2,9	3,8 - 4,5	2,5 - 2,9		
HP15/25G-E	1600	1600	2700	2,9	4,1 - 4,9	2,7 - 3,2		
HP18X15/25G-E	1900	1600	2700	2,9	4,7 - 5,6	3,1 - 3,6		
HP21X15/25G-E	2200	1600	2700	2,9	5,2 - 6,2	3,4 - 4,0		
HP18/25G-E	1900	1900	2700	2,9	5,7 - 6,7	3,7 - 4,4		
HP21X18/25G-E	2200	1900	2700	2,9	6,3 - 7,5	4,1 - 4,8		
HP24X18/25G-E	2500	1900	2700	2,9	6,7 - 8,1	4,4 - 5,3		
HP21/25G-E	2200	2200	2700	2,9	7,3 - 8,7	4,7 - 5,6		
HP24X21/25G-E	2500	2200	2700	2,9	7,9 - 9,4	5,1 - 6,1		
HP28X21/25G-E	2900	2200	2700	2,9	8,4 - 10,2	5,5 - 6,7	yes	
HP24/25G-E	2500	2500	2700	2,9	9,0 - 10,8	5,8 - 7,0		yes ●
HP28X24/25G-E	2900	2500	2700	2,9	9,6 - 11,7	6,2 - 7,6	yes	yes ●
HP28/25G-E	2900	2900	2700	2,9	11,2 - 13,6	7,3 - 8,8	yes	yes ●
HP30X28/25G-E	3100	2900	2700	2,9	11,5 - 14,0	7,5 - 9,1	yes	yes ●
HP30/25G-E	3100	3100	2700	2,9	12,3 - 15,0	8,0 - 9,8	yes	yes ●



Silo with cone holding straps

Silo without cone holding straps

CH = cone holding frame to keep the exit cone in better shape.
 Z = additional second filling socket included, to achieve a better filling degree.
 ● ● ● = Position of the filling pipe - see on page 4

Basis of indications:

> Bulk weight 0,65t/m³, ground clearance of silo bag 200 mm, height of silo = height of frame - 200 mm, > The volume indications are calculated values. The filling volume depends on the filler and on the installation situation. > In part, certain, boiler-determined removal units require a larger ground clearance, therefore, the calculated filling volume might be different > Caution: For the filling line, additional 200 mm between upper edge of frame and ceiling have to be taken into consideration. > Therefore height of frame + 200 mm = room height > Steel frame, the price includes the silo bag, frame and lateral filling equipment DN 100 incl. impact protection. When the silo is filled in the storeroom a gap of 800 mm to the wall on the side of filling pipe required. Outlet min. Ø 200 mm.

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.

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

Status: January 2010, subject to change, errors excepted. The prices are to be understood ex works, without VAT.

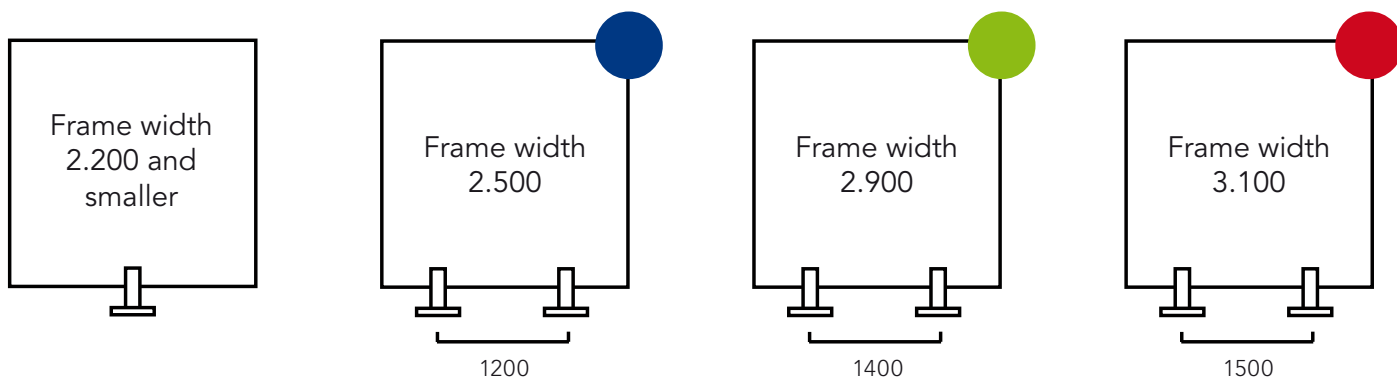
Filling FLEXILO®

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.

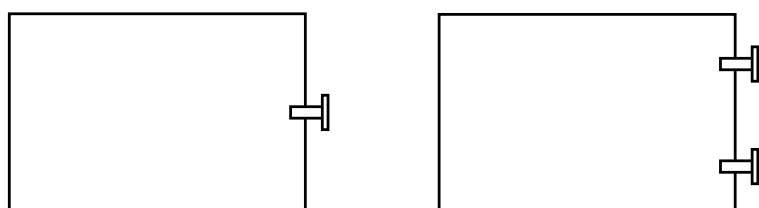
Forced exhaustion can be abandoned, if there is an air discharge opening in your storage room (170 m² minimum). When the silo is filled inside a room, there has to be a distance to the wall from min. 80 cm at the filling side.



⟨ ... Standard position of the filling pipe ⟩



⟨ ... Standard position of the filling pipe of rectangle silos ⟩



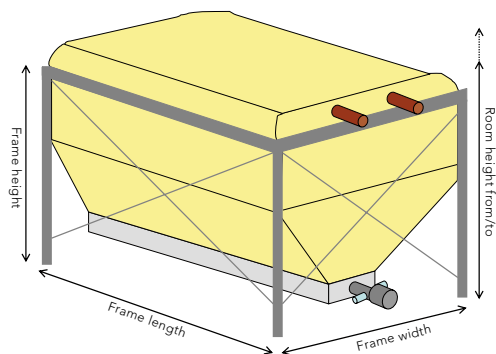
⟨ ... Standard position of the manual filling nozzle ⟩



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

PRODUCT LIST trough silos

⟨ ... for A.B.S. trough silos with fabric cone ⟩



For room height from 2,0 m - 2,2 m
incl. spiral conveyor and suction appliance

Trough silos with frame width of approx. 1300 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 ³]	Tonnage [t]
HP20x12/16GT-E	2100	1300	1800	2,0 - 2,2	2150	2,9 m ³ - 3,5 m ³	1,9 t - 2,3 t
HP25x12/16GT-E	2600	1300	1800	2,0 - 2,2	2650	3,7 m ³ - 4,4 m ³	2,4 t - 2,8 t
HP30x12/16GT-E	3100	1300	1800	2,0 - 2,2	3150	4,4 m ³ - 5,3 m ³	2,9 t - 3,4 t
HP35x12/16GT-E	3600	1300	1800	2,0 - 2,2	3650	5,2 m ³ - 6,0 m ³	3,4 t - 3,9 t
HP40x12/16GT-E	4100	1300	1800	2,0 - 2,2	4150	6,0 m ³ - 6,8 m ³	3,9 t - 4,4 t
HP45x12/16GT-E	4600	1300	1800	2,0 - 2,2	4650	6,7 m ³ - 7,7 m ³	4,4 t - 5,0 t

Trough silos with frame width of approx. 1600 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 ³]	Tonnage [t]
HP20x15/16GT-E	2100	1600	1800	2,0 - 2,2	2150	3,5 m ³ - 4,1 m ³	2,3 t - 2,7 t
HP25x15/16GT-E	2600	1600	1800	2,0 - 2,2	2150	4,5 m ³ - 5,1 m ³	2,9 t - 3,3 t
HP30x15/16GT-E	3100	1600	1800	2,0 - 2,2	2650	5,4 m ³ - 6,2 m ³	3,5 t - 4,0 t
HP35x15/16GT-E	3600	1600	1800	2,0 - 2,2	3150	6,3 m ³ - 7,1 m ³	4,1 t - 4,6 t
HP40x15/16GT-E	4100	1600	1800	2,0 - 2,2	3650	7,2 m ³ - 8,1 m ³	4,7 t - 5,2 t
HP45x15/16GT-E	4600	1600	1800	2,0 - 2,2	4150	8,1 m ³ - 9,1 m ³	5,3 t - 5,9 t

Trough silos with frame width of approx. 1900 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 ³]	Tonnage [t]
HP20x18/16GT-E	2100	1900	1800	2,0 - 2,2	2150	3,8 m ³ - 4,4 m ³	2,5 t - 2,9 t
HP25x18/16GT-E	2600	1900	1800	2,0 - 2,2	2150	4,8 m ³ - 5,5 m ³	3,1 t - 3,6 t
HP30x18/16GT-E	3100	1900	1800	2,0 - 2,2	2650	5,8 m ³ - 6,6 m ³	3,8 t - 4,3 t
HP35x18/16GT-E	3600	1900	1800	2,0 - 2,2	3150	6,8 m ³ - 7,6 m ³	4,4 t - 4,9 t
HP40x18/16GT-E	4100	1900	1800	2,0 - 2,2	3650	7,8 m ³ - 8,7 m ³	5,1 t - 5,6 t
HP45x18/16GT-E	4600	1900	1800	2,0 - 2,2	4150	8,8 m ³ - 9,8 m ³	5,7 t - 6,4 t

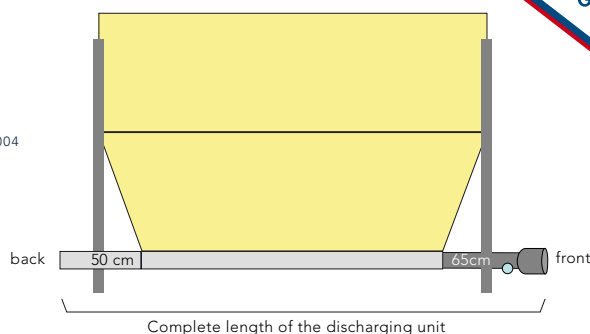
Trough silos with frame width of approx. 2200 mm

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 ³]	Tonnage [t]
HP20x21/16GT-E	2100	2200	1800	2,0 - 2,2	2150	4,0 m ³ - 4,6 m ³	2,6 t - 3,0 t
HP25x21/16GT-E	2600	2200	1800	2,0 - 2,2	2150	5,0 m ³ - 5,7 m ³	3,3 t - 3,7 t
HP30x21/16GT-E	3100	2200	1800	2,0 - 2,2	2650	6,1 m ³ - 6,9 m ³	3,9 t - 4,5 t
HP35x21/16GT-E	3600	2200	1800	2,0 - 2,2	3150	7,1 m ³ - 7,9 m ³	4,6 t - 5,1 t
HP40x21/16GT-E	4100	2200	1800	2,0 - 2,2	3150	8,1 m ³ - 9,0 m ³	5,3 t - 5,9 t
HP45x21/16GT-E	4600	2200	1800	2,0 - 2,2	3650	9,2 m ³ - 10,2 m ³	6,0 t - 6,6 t

Status: January 2010, subject to change, errors excepted. The prices are to be understood ex works, without VAT.



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



**For room height from 2,3 m bis 2,5 m
incl. spiral conveyor and suction appliance**

Trough silos with frame width of approx. 1300 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 ³]	Tonnage [t]
HP20x12/19GT-E	2100	1300	2100	2,3 - 2,5	2150	3,6 m ³ - 4,2 m ³	2,3 t - 2,7 t
HP25x12/19GT-E	2600	1300	2100	2,3 - 2,5	2650	4,5 m ³ - 5,2 m ³	2,9 t - 3,4 t
HP30x12/19GT-E	3100	1300	2100	2,3 - 2,5	3150	5,4 m ³ - 6,3 m ³	3,5 t - 4,1 t
HP35x12/19GT-E	3600	1300	2100	2,3 - 2,5	3650	6,4 m ³ - 7,1 m ³	4,1 t - 4,6 t
HP40x12/19GT-E	4100	1300	2100	2,3 - 2,5	4150	7,3 m ³ - 8,2 m ³	4,7 t - 5,3 t
HP45x12/19GT-E	4600	1300	2100	2,3 - 2,5	4650	8,2 m ³ - 9,2 m ³	5,3 t - 6,0 t

Trough silos with frame width of approx. 1600 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 ³]	Tonnage [t]
HP20x15/19GT-E	2100	1600	2100	2,3 - 2,5	2150	4,4 m ³ - 5,0 m ³	2,9 t - 3,2 t
HP25x15/19GT-E	2600	1600	2100	2,3 - 2,5	2150	5,6 m ³ - 6,3 m ³	3,6 t - 4,1 t
HP30x15/19GT-E	3100	1600	2100	2,3 - 2,5	2650	6,7 m ³ - 7,5 m ³	4,4 t - 4,9 t
HP35x15/19GT-E	3600	1600	2100	2,3 - 2,5	3150	7,9 m ³ - 8,6 m ³	5,1 t - 5,6 t
HP40x15/19GT-E	4100	1600	2100	2,3 - 2,5	3650	9,0 m ³ - 9,9 m ³	5,8 t - 6,4 t
HP45x15/19GT-E	4600	1600	2100	2,3 - 2,5	4150	10,1 m ³ - 11,1 m ³	6,6 t - 7,2 t

Trough silos with frame width of approx. 1900 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 ³]	Tonnage [t]
HP20x18/19GT-E	2100	1900	2100	2,3 - 2,5	2150	4,9 m ³ - 5,5 m ³	3,2 t - 3,6 t
HP25x18/19GT-E	2600	1900	2100	2,3 - 2,5	2150	6,2 m ³ - 6,9 m ³	4,0 t - 4,5 t
HP30x18/19GT-E	3100	1900	2100	2,3 - 2,5	2650	7,4 m ³ - 8,3 m ³	4,8 t - 5,4 t
HP35x18/19GT-E	3600	1900	2100	2,3 - 2,5	3150	8,7 m ³ - 9,5 m ³	5,7 t - 6,2 t
HP40x18/19GT-E	4100	1900	2100	2,3 - 2,5	3650	10,0 m ³ - 10,8 m ³	6,5 t - 7,0 t
HP45x18/19GT-E	4600	1900	2100	2,3 - 2,5	4150	11,2 m ³ - 12,2 m ³	7,3 t - 7,9 t

Trough silos with frame width of approx. 2200 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 ³]	Tonnage [t]
HP20x21/19GT-E	2100	2200	2100	2,3 - 2,5	2150	5,3 m ³ - 5,8 m ³	3,4 t - 3,8 t
HP25x21/19GT-E	2600	2200	2100	2,3 - 2,5	2150	6,6 m ³ - 7,3 m ³	4,3 t - 4,7 t
HP30x21/19GT-E	3100	2200	2100	2,3 - 2,5	2650	8,0 m ³ - 8,8 m ³	5,2 t - 5,7 t
HP35x21/19GT-E	3600	2200	2100	2,3 - 2,5	3150	9,3 m ³ - 10,1 m ³	6,1 t - 6,6 t
HP40x21/19GT-E	4100	2200	2100	2,3 - 2,5	3150	10,7 m ³ - 11,5 m ³	6,9 t - 7,5 t
HP45x21/19GT-E	4600	2200	2100	2,3 - 2,5	3650	12,0 m ³ - 13,0 m ³	7,8 t - 8,4 t

Basis of indication: > Bulk weight 0,65 t/m³, ground clearance of silo bag 200 mm, height of silo = height of frame - 200 mm, > Caution: For the filling line, additional 200 mm between upper edge of frame and ceiling have to be taken into consideration. > The room height must be specified at the subscription > frame base coated RAL 7030, the price includes the silo bag, frame and lateral filling equipment DN 100 incl. impact protection. When the silo is filled in the storeroom a gap of 800 mm to the wall on the side of filling pipe required. Enlargement of spiral on request!

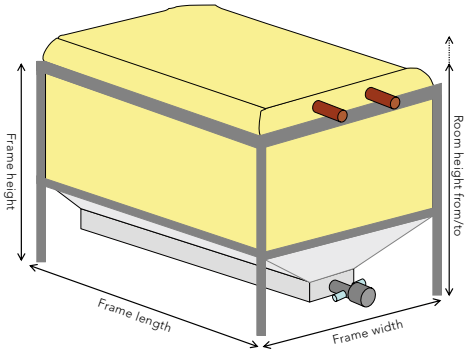
Freight costs: on request.

The prices are to be understood as works, without VAT.

Delivery: 3-5 weeks after receipt of order and clarification of all commercial and technical details.

PRODUCT LIST trough silo

⌋ ... for A.B.S. trough silos with sheet metal bottom ⌋



For room height from 2,0 m - 2,2 m
incl. spiral conveyor and suction appliance

Trough silos with frame width of approx. 1560 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 ³]	Tonnage [t]
HP15x15/16GTB-E	1750	1560	1800	2,0 - 2,2	2650	3,2 m ³ - 3,8 m ³	2,1 t - 2,5 t
HP20x15/16GTB-E	2250	1560	1800	2,0 - 2,2	3150	4,3 m ³ - 5,0 m ³	2,8 t - 3,3 t
HP25x15/16GTB-E	2750	1560	1800	2,0 - 2,2	3650	5,4 m ³ - 6,3 m ³	3,5 t - 4,1 t
HP30x15/16GTB-E	3250	1560	1800	2,0 - 2,2	4150	6,5 m ³ - 7,5 m ³	4,2 t - 4,9 t
HP35x15/16GTB-E	3750	1560	1800	2,0 - 2,2	4650	7,3 m ³ - 8,5 m ³	4,8 t - 5,5 t
HP40x15/16GTB-E	4250	1560	1800	2,0 - 2,2	5150	8,4 m ³ - 9,7 m ³	5,5 t - 6,3 t
HP45x15/16GTB-E	4750	1560	1800	2,0 - 2,2	5650	9,4 m ³ - 10,9 m ³	6,1 t - 7,1 t
HP50x15/16GTB-E	5250	1560	1800	2,0 - 2,2	6150	10,5 m ³ - 12,1 m ³	6,8 t - 7,8 t

Trough silos with frame width of approx. 1860 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 ³]	Tonnage [t]
HP15x18/16GTB-E	1750	1860	1800	2,0 - 2,2	2650	3,7 m ³ - 4,4 m ³	2,4 t - 2,8 t
HP20x18/16GTB-E	2250	1860	1800	2,0 - 2,2	3150	5,0 m ³ - 5,8 m ³	3,2 t - 3,8 t
HP25x18/16GTB-E	2750	1860	1800	2,0 - 2,2	3650	6,2 m ³ - 7,2 m ³	4,0 t - 4,7 t
HP30x18/16GTB-E	3250	1860	1800	2,0 - 2,2	4150	7,5 m ³ - 8,6 m ³	4,9 t - 5,6 t
HP35x18/16GTB-E	3750	1860	1800	2,0 - 2,2	4650	8,4 m ³ - 9,7 m ³	5,5 t - 6,3 t
HP40x18/16GTB-E	4250	1860	1800	2,0 - 2,2	5150	9,6 m ³ - 11,1 m ³	6,2 t - 7,2 t
HP45x18/16GTB-E	4750	1860	1800	2,0 - 2,2	5650	10,8 m ³ - 12,5 m ³	7,0 t - 8,1 t
HP50x18/16GTB-E	5250	1860	1800	2,0 - 2,2	6150	12,0 m ³ - 13,9 m ³	7,8 t - 9,0 t

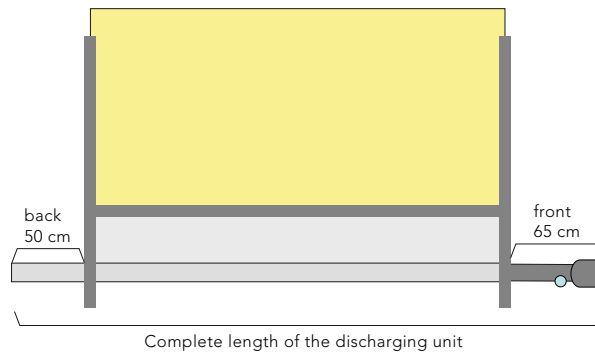
Trough silos with frame width of approx. 2160 mm

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 ³]	Tonnage [t]
HP15x21/16GTB-E	1750	2160	1800	2,0 - 2,2	2650	4,1 m ³ - 4,9 m ³	2,7 t - 3,2 t
HP20x21/16GTB-E	2250	2160	1800	2,0 - 2,2	3150	5,5 m ³ - 6,5 m ³	3,6 t - 4,2 t
HP25x21/16GTB-E	2750	2160	1800	2,0 - 2,2	3650	6,9 m ³ - 8,1 m ³	4,5 t - 5,3 t
HP30x21/16GTB-E	3250	2160	1800	2,0 - 2,2	4150	8,3 m ³ - 9,7 m ³	5,4 t - 6,3 t
HP35x21/16GTB-E	3750	2160	1800	2,0 - 2,2	4650	9,3 m ³ - 10,9 m ³	6,1 t - 7,1 t
HP40x21/16GTB-E	4250	2160	1800	2,0 - 2,2	5150	10,7 m ³ - 12,4 m ³	6,9 t - 8,1 t
HP45x21/16GTB-E	4750	2160	1800	2,0 - 2,2	5650	12,0 m ³ - 14,0 m ³	7,8 t - 9,1 t
HP50x21/16GTB-E	5250	2160	1800	2,0 - 2,2	6150	13,3 m ³ - 15,5 m ³	8,7 t - 10,1 t

Status: January 2010, subject to change, errors excepted. The prices are to be understood ex works, without VAT.



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



For room height from 2,3 m - 2,5 m incl. spiral conveyor and suction appliance

Trough silos with frame width of approx. 1560 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 ³]	Tonnage [t]
HP15x15/19GTB-E	1750	1560	2100	2,3 - 2,5	2650	3,9 m ³ - 4,5 m ³	2,6 t - 2,9 t
HP20x15/19GTB-E	2250	1560	2100	2,3 - 2,5	3150	5,2 m ³ - 5,9 m ³	3,4 t - 3,8 t
HP25x15/19GTB-E	2750	1560	2100	2,3 - 2,5	3650	6,5 m ³ - 7,4 m ³	4,3 t - 4,8 t
HP30x15/19GTB-E	3250	1560	2100	2,3 - 2,5	4150	7,9 m ³ - 8,8 m ³	5,1 t - 5,7 t
HP35x15/19GTB-E	3750	1560	2100	2,3 - 2,5	4650	8,9 m ³ - 10,0 m ³	5,8 t - 6,5 t
HP40x15/19GTB-E	4250	1560	2100	2,3 - 2,5	5150	10,2 m ³ - 11,5 m ³	6,6 t - 7,4 t
HP45x15/19GTB-E	4750	1560	2100	2,3 - 2,5	5650	11,5 m ³ - 12,9 m ³	7,5 t - 8,4 t
HP50x15/19GTB-E	5250	1560	2100	2,3 - 2,5	6150	12,7 m ³ - 14,3 m ³	8,3 t - 9,3 t

Trough silos with frame width of approx. 1860 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 ³]	Tonnage [t]
HP15x18/19GTB-E	1750	1860	2100	2,3 - 2,5	2650	4,5 m ³ - 5,2 m ³	2,9 t - 3,4 t
HP20x18/19GTB-E	2250	1860	2100	2,3 - 2,5	3150	6,1 m ³ - 6,9 m ³	3,9 t - 4,5 t
HP25x18/19GTB-E	2750	1860	2100	2,3 - 2,5	3650	7,6 m ³ - 8,6 m ³	4,9 t - 5,6 t
HP30x18/19GTB-E	3250	1860	2100	2,3 - 2,5	4150	9,1 m ³ - 10,3 m ³	5,9 t - 6,7 t
HP35x18/19GTB-E	3750	1860	2100	2,3 - 2,5	4650	10,3 m ³ - 11,6 m ³	6,7 t - 7,6 t
HP40x18/19GTB-E	4250	1860	2100	2,3 - 2,5	5150	11,8 m ³ - 13,3 m ³	7,7 t - 8,6 t
HP45x18/19GTB-E	4750	1860	2100	2,3 - 2,5	5650	13,2 m ³ - 14,9 m ³	8,6 t - 9,7 t
HP50x18/19GTB-E	5250	1860	2100	2,3 - 2,5	6150	14,7 m ³ - 16,6 m ³	9,6 t - 10,8 t

Trough silos with frame width of approx. 2160 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 ³]	Tonnage [t]
HP15x21/19GTB-E	1750	2160	2100	2,3 - 2,5	2650	5,1 m ³ - 5,8 m ³	3,3 t - 3,8 t
HP20x21/19GTB-E	2250	2160	2100	2,3 - 2,5	3150	6,8 m ³ - 7,7 m ³	4,4 t - 5,0 t
HP25x21/19GTB-E	2750	2160	2100	2,3 - 2,5	3650	8,5 m ³ - 9,7 m ³	5,5 t - 6,3 t
HP30x21/19GTB-E	3250	2160	2100	2,3 - 2,5	4150	10,2 m ³ - 11,6 m ³	6,6 t - 7,5 t
HP35x21/19GTB-E	3750	2160	2100	2,3 - 2,5	4650	11,5 m ³ - 13,1 m ³	7,5 t - 8,5 t
HP40x21/19GTB-E	4250	2160	2100	2,3 - 2,5	5150	13,2 m ³ - 15,0 m ³	8,6 t - 9,7 t
HP45x21/19GTB-E	4750	2160	2100	2,3 - 2,5	5650	14,8 m ³ - 16,8 m ³	9,6 t - 10,9 t
HP50x21/19GTB-E	5250	2160	2100	2,3 - 2,5	6150	16,5 m ³ - 18,7 m ³	10,7 t - 12,1 t

Basis of indication: > Bulk weight 0,65 t/m³, ground clearance of silo bag 200 mm, height of silo = height of frame - 200 mm, > Caution: For the filling line, additional 200 mm between upper edge of frame and ceiling have to be taken into consideration. > The room height must be specified at the subscription > frame base coated RAL 7030, the price includes the silo bag, frame and lateral filling equipment DN 100 incl. impact protection. When the silo is filled in the storeroom a gap of 800 mm to the wall on the side of filling pipe required. Enlargement of spiral on request!

Freight costs: on request.

The prices are to be understood as works, without VAT.

Delivery: 3-5 weeks after receipt of order and clarification of all commercial and technical details.

PRODUCT LIST FLAT BOTTOM SILO

Flat bottom silos are like Flexilos and Trough Silos manufactured of high-tech-fabric. The fabric is concerted especially for wood pellets. It is extensively dustproof and has a permanent electrostatical dissipation.

	18er Flat bottom silo	21er Flat bottom silo	24er Flat bottom silo***	26er Flat bottom silo***
Item no.	HP-FBS18	HP-FBS21	HP-FBS24	HP-FBS26
Dimensions [L x B x H in mm]	1860 x 1860 x 1900	2160 x 2160 x 1900	2460 x 2460 x 1900	2660 x 2660 x 2000
for room height [m] *	2,1 - 2,4	2,1 - 2,4	2,1 - 2,4	2,2 - 2,5
Volume [m³]	5,2 - 7,0 m³	7,2 - 9,7 m³	9,5 - 12,8 m³	11,8 - 15,7 m³
Tonnage **	3,4 - 4,6 t	4,7 - 6,3 t	6,2 - 8,3 t	7,7 - 10,2 t
Discharge	5 suction probes with manual connection unit + manual extraction			
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. 50 cm. Adjustment of height for balancing. Further heights of frameworks can be manufactured on request.

** Extraction by 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%

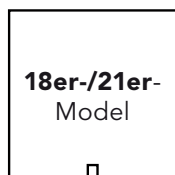
*** Two filling nozzles for a better filling degree



Filling system

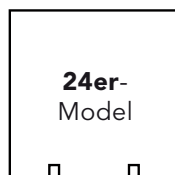
The filling is effected with a novel, height adjustable filling system. For maximum utilization of the capacity of the room, the pellets will be blown in horizontally over the lifting bar.

Position of the filling pipe

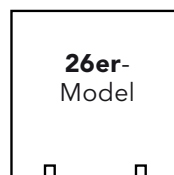


center

One filling nozzle
at 18-/21-models



1200



1300

Distance between the filling nozzles
(from the middle of the pipe to the middle of the pipe)

Two filling nozzles
at 24-/26-models



The **filled checklist** on page 11 has to be added to the order.

Basis of indications:

> Bulk weight 0,65t/m³, > The volume indications are calculated values. The filling volume depends on the filler and on the installation situation.
> Caution: For the filling line, additional 200 to 500 mm between upper edge of frame and ceiling have to be considered. > Therefore height of frame minimum 200 mm = room height > The price includes the silo bag, frame, 5 suction probes, manual switching unit, suction probes inside and lateral filling equipment DN 100 incl. impact protection. When the silo is filled in the storeroom a gap of 500 mm to the wall on the side of filling pipe is required. Outlet min. Ø 200 mm.

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.

FAX INQUIRY FLAT BOTTOM SILO

Via Fax +49 6291 6422-50

Sender (opt. company stamp):

Com: _____

Boiler type altern. manufacturer: _____

Required pellets volume: _____ t or _____ m³

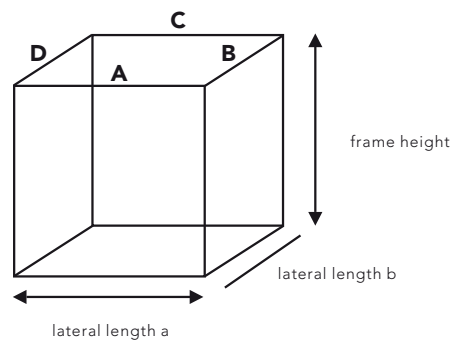
Room dimensions:
(Please always fill in)

Width: _____ m

Depth: _____ m

Height: _____ m

Drawing of the positioning:



Alternative: Item-number: _____

Silo dimensions: Lateral length a: _____ mm

Lateral length b: _____ mm

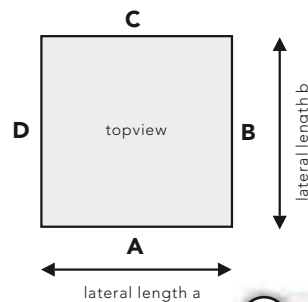
Frame height H: _____ mm

Distance from upper edge of the framework to bottom edge of the ceiling: min: 200 - max: 500 mm

Configuration of flat bottom silos

Please let us know, on which side you need the equipment.

- | | | | |
|----------|------------------------------------|------|-------|
| 1 | Assembly entrance | Side | _____ |
| 2 | Filling arrangement | Side | _____ |
| 3 | Manual discharging nozzle | Side | _____ |
| 4 | Switching unit with suction probes | Side | _____ |



The filling arrangement and the assembly entrance should not be arranged opponent.

On rectangle silos, the filling arrangement always has to be arranged on the narrow side.



PRODUCT LIST Accessories for filling system

This accessories are only necessary when the pipes are to be extended or supplementary equipment or additional suction. Filling pipe with holder, storz coupling with flanged neck and closing cap, pipe bend (30°), 2 clamping rings are contents of delivery.




	<p>Item no.: HP-FL-2/-E</p> <p>Second Filling Pipe for better filling - Level: Pipe with holder, coupling storz A with flanged neck and closing cap, pipe bend (30°), 2 clamping rings and holder</p>
	<p>Item no.: HP-EL-E</p> <p>Exhausting pipe Contents Pipe with holder, coupling storz A with flanged neck and closing cap, pipe bend (30°), 2 clamping rings and holder</p>
	<p>Item no.: HP-FL-D-E</p> <p>Filling pipe with holder for fastening on the lifting bar</p>
	<p>Item no.: ROHR200-E</p> <p>Extension pipe DN 100 200 mm</p>
	<p>Item no.: ROHR500-E</p> <p>Extension pipe DN 100 500 mm</p>
	<p>Item no.: ROHR1000-E</p> <p>Extension pipe DN 100 1000 mm</p>
	<p>Item no.: RBG90-E</p> <p>Pipe bend DN 100 (90°) ¹</p>
	<p>Item no.: RBG45-E</p> <p>Pipe bend DN 100 (45°)</p>
	<p>Item no.: RBG30-E</p> <p>Pipe bend DN 100 (30°) ²</p>
	<p>Item no.: SPR-E</p> <p>Clamping ring DN 100</p>
	<p>Item no.: DH-E</p> <p>Ceiling holder</p>
	<p>Item no.: WH-E</p> <p>Wall holder</p>

Status: January 2010, subject to change, errors excepted. The prices are to be understood ex works, without VAT.

PRODUCT LIST Accessories: coupling



This accessories are only necessary when the pipes are to be extended or supplementary equipment or additional filling. Pipe with holder, storz coupling with flanged neck and closing cap, pipe bend (30°), 2 clamping rings are contents of delivery.

	<p>Item no.: HP-KUP-E Aluminium coupling Storz A with flanged neck and closing cap</p>
	<p>Item no.: HP-KUP-IE-E Aluminium coupling „Cam & Groove“ with flanged neck and closing cap</p>
	<p>Item no.: HP-KUP-FR-E Aluminium coupling „Guillemin“ with flanged neck and closing cap</p>

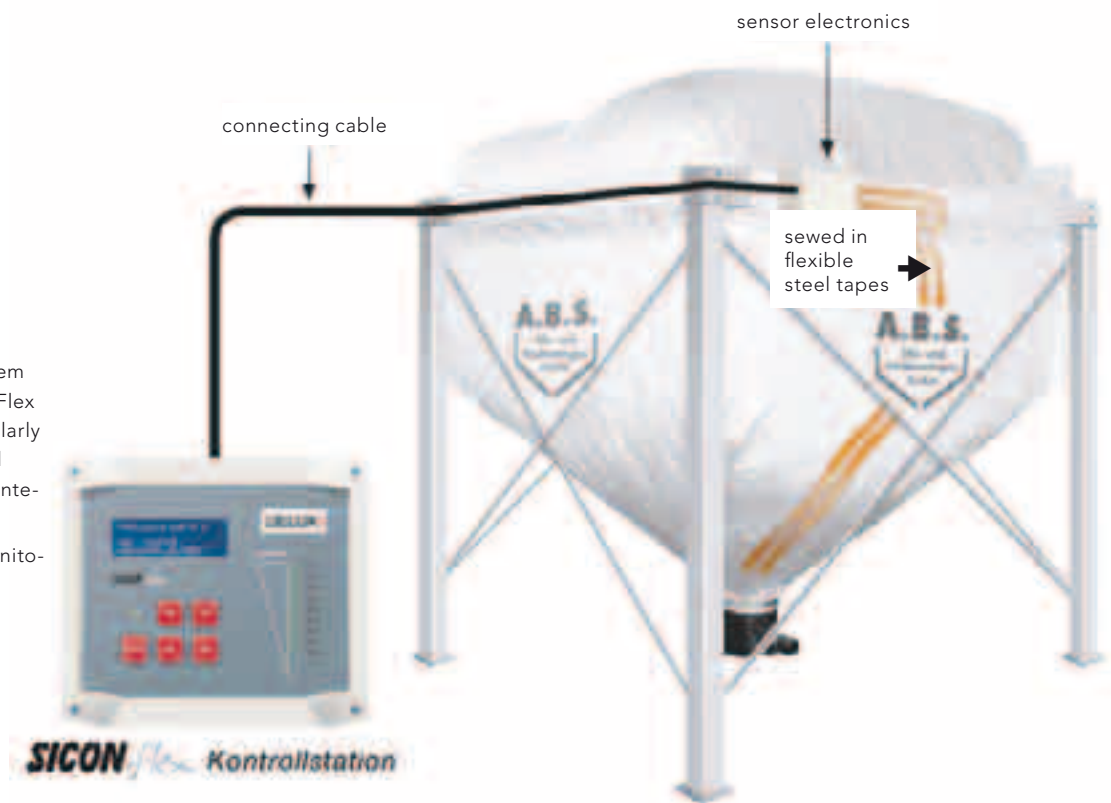
⟨ ... Accessories filling level measurements ⟩

Item no.: HP-FSM-1

Delox: Sicon-Flex

Capacitive measuring system for silo filling levels. SiConFlex has been designed particularly for bag silos, flexible metal straps and electrodes are integrated in the fabric.

Continuous filling level monitoring of the Flex silo.





Status: January 2010, subject to change, errors excepted. The prices are to be understood ex works, without VAT.



PRODUCT LIST Removal accessories

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

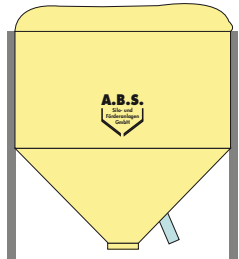
Withdrawal system for vacuum suction system

	<p>Item no.: HP-SFA-E Spiral conveyor system * Spiral conveyor system with suction and return air socket (Ø50 / alt. adapter Ø45 mm) for use with a suction-draft blower incl. tension band, clamping ring and emergency slide. Motor 230 V, IP 54, special shaft 250 W, 57 rpm. conveyed quantity 240 to 290 kg/h.</p>
	<p>Item no.: HP-SFA-U50/45-E Reducer 50/45 Hose connector adapter from Ø50 to Ø45 mm for spiral hose</p>
	<p>Art.-Nr.: HP-ABSAUG-E Exhausting box type I Exhausting box with suction and return air socket (Ø 50 mm), incl. tension band, clamping ring and emergency slide.</p>


Removal system for screw discharge

	<p>Item no.: HP-SK-E Screw box type II Screw box (straight), incl. tension band, emergency slide and cleaning flap. (technical agreement is required) Pipe diameter has to be declared.</p>
	<p>Item no.: HP-SK-7-E Screw box type VII Screw box for ascending screw (variable slope), incl. tension band, emergency slide and cleaning flap. (technical agreement is required) Pipe diameter and inclination have to be declared.</p>

Other removal systems

	<p>Item no.: HP-NOTAB-E Manual removal Locking gate valve incl. tension band and emergency discharge Ø 150 mm. Can even be installed in addition in connection with suction or screw-type removal. Standard position on the filling side.</p>
	<p>Item no.: HP-SPBD25-E Tension band Ø 250 mm for external extraction unit</p>

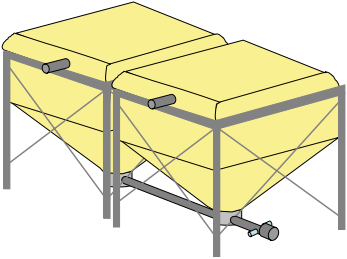
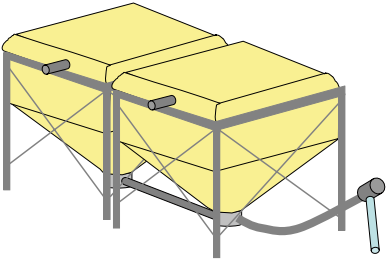
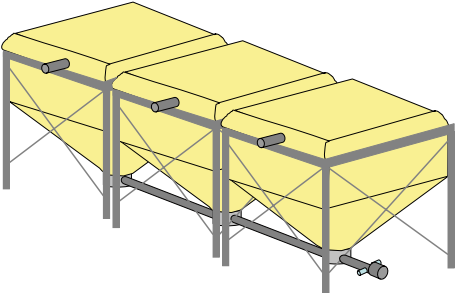
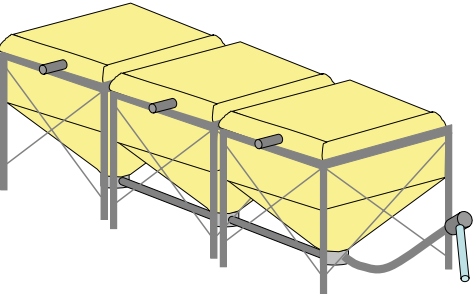
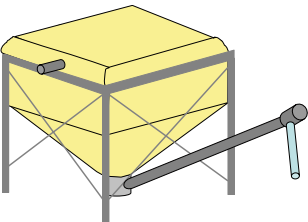
Spiral discharge

	<p>Silent and dustfree transport of wood pellets in curves and falls with low energy input - reliable and customized for each attachment mounting station.</p>
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*The electric version (control system), installation and supporting material is not included in the scope of delivery.

◀ ... Connection of silos with spiral conveyor systems for wood pellets ▶

All silos are equipped with a collet funnel with emergency slide. The connection is established via a spiral rotating in a PVC tube. The spiral conveyor system can either terminate with a drive unit with suction point or with a drive unit with discharge hose.

	<p>Variant 1.1:</p> <p>Connection of two silos</p> <p>Spiral conveyor system with suction point</p> <p>The price depends on the size of the silos, on the local arrangement and potentially on the extension of the spiral. The price includes complete conveyor and removal units. Price without silos.</p>
	<p>Variant 1.2:</p> <p>Connection of two silos</p> <p>Spiral conveyor system with bend and discharge hose</p> <p>Conveying of the pellets directly to the boiler or to a storage tank. The price depends on the size of the silos, on the local arrangement and potentially on the extension of the spiral. The price includes complete conveyor and removal units. Price without silos.</p>
	<p>Variant 2.1:</p> <p>Connection of three silos</p> <p>Spiral conveyor system with suction point</p> <p>Conveying of the pellets directly to the boiler or to a storage tank. The price depends on the size of the silos, on the local arrangement and potentially on the extension of the spiral. The price includes complete conveyor and removal units. Price without silos.</p>
	<p>Variant 2.2:</p> <p>Connection of three silos</p> <p>Spiral conveyor system with bend and discharge hose</p> <p>Conveying of the pellets directly to the boiler or to a storage tank. The price depends on the size of the silos, on the local arrangement and potentially on the extension of the spiral. The price includes complete conveyor and removal units. Price without silos.</p>
	<p>Variant 3:</p> <p>Ascending spiral</p> <p>Conveying of the pellets directly to the boiler or to a storage tank. Incline 30° to 40°. Incl. screw box. The price depends on the size of the silos, on the local arrangement and potentially on the extension of the spiral. The price includes complete conveyor and removal units. Price without silos.</p>

Status: January 2010, subject to change, errors excepted. The prices are to be understood ex works, without VAT.

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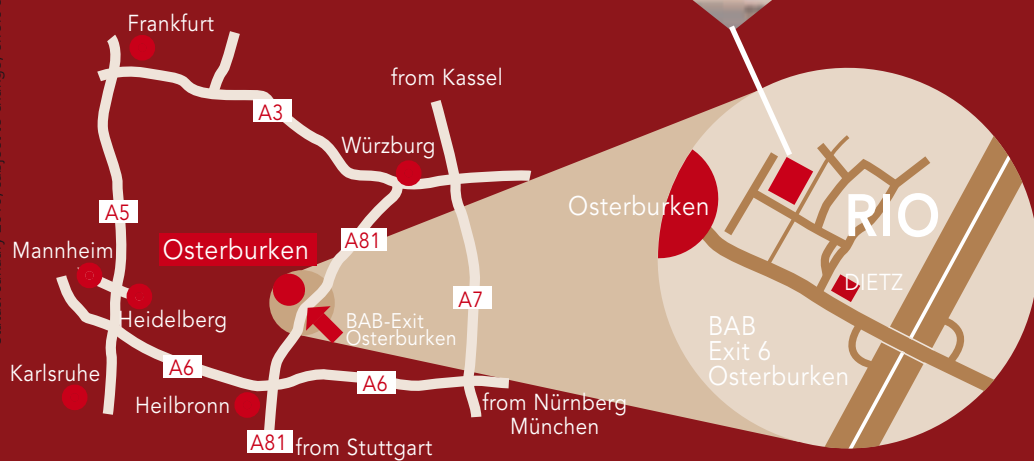
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... Your way to us ...



**A.B.S. Silo- und
Förderanlagen GmbH**
Industriepark 100
D - 74706 Osterburken
Phone +49 6291 6422-0
Fax +49 6291 6422-50
E-Mail: info@abs-silos.de
www.abs-silos.de