

THE A.B.S. Flexilo TROUGH

Maximum use of space with trough silos

Trough silos have the same advantages of the Flexilo but have a design which resembles rather that of a bunker with inclined floor. Compared to bunker storage, trough silos are a cost-effective and time-saving alternative.



Flexilo TROUGH
with fabric cone

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

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.**



Flexilo trough with textile cone and spiral for direct feed

TECHNICAL INFORMATION

Bulk weight wood pellets: 0,65 t/m³

The volume indications are calculated values. Filling volumes depend on filler and installation situation (e.g. installation of filling pipes).

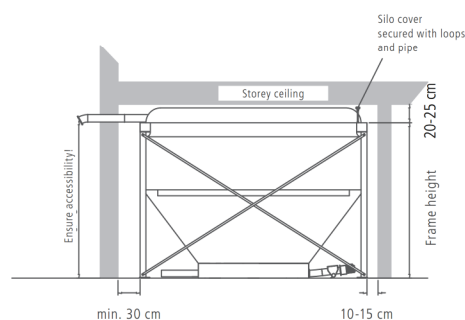
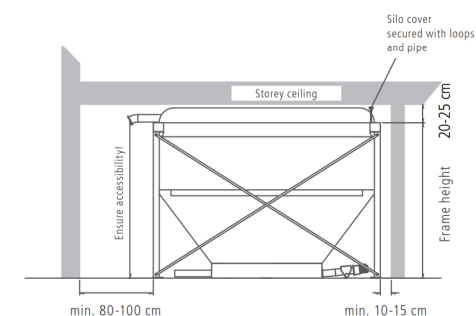
Extraction is done by spiral – like with the cascade solution, pellets are conveyed to the suction point or directly into the day hopper or pellet boiler.

SCOPE OF DELIVERY:

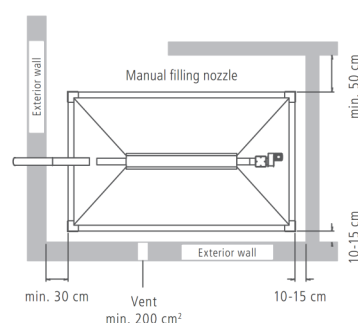
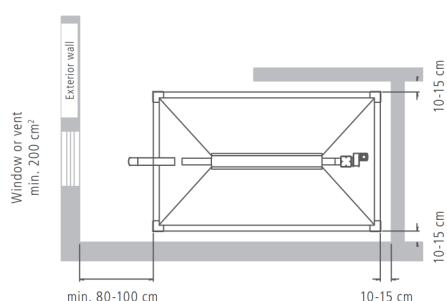
- Silo bag with sewn-in impact wall and inspection opening (manual filling nozzle)
 - Galvanized steel frame as plug-in system or base grounded version* including assembly material
 - Filling system, standard position is lateral. Delivered with Storz A as standard. In case you require a different coupling, the price must be adapted
 - 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
- * Depending on silo size
** Extension or direct feed by request

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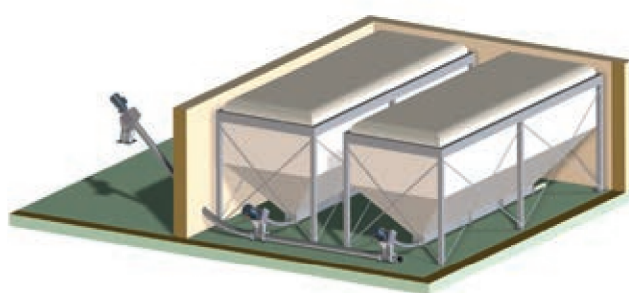
Installation example: Trough silo with fabric cone



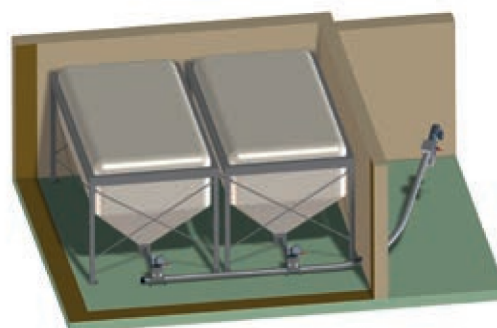
Section
silo installation



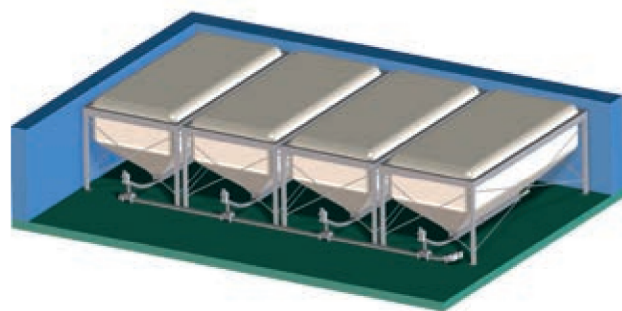
Layout
of silo installation



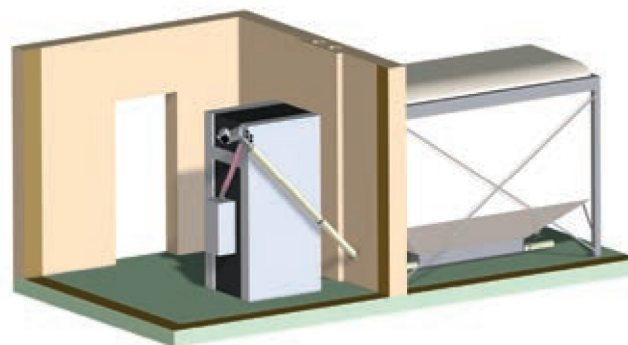
2 Flexilo TROUGH with transfer hopper to cross spiral for boilers over 160 kW



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



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



Flexilo TROUGH with spiral as direct feed



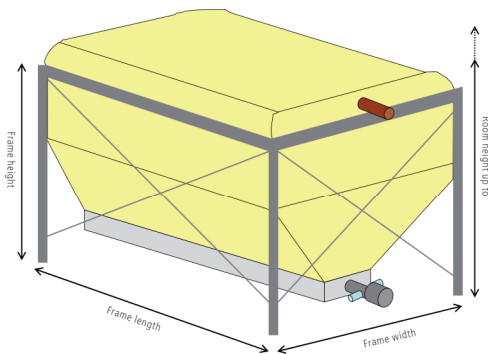
IMPORTANT

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

PRODUCT OVERVIEW

Flexilo TROUGH

With fabric cone including spiral with suction point



Trough silos for room height 2.0-2.2 m - frame width 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]
HP-TG20x12/16	2100	1300	1800	2.0 - 2.2	2150	2,8 - 4,0	1,8 - 2,6
HP-TG25x12/16	2600	1300	1800	2.0 - 2.2	2650	3,5 - 5,0	2,3 - 3,2
HP-TG30x12/16	3100	1300	1800	2.0 - 2.2	3150	4,3 - 6,0	2,8 - 3,9
HP-TG35x12/16	3600	1300	1800	2.0 - 2.2	3650	5,0 - 7,0	3,3 - 4,6
HP-TG45x12/16	4600	1300	1800	2.0 - 2.2	4650	5,5 - 7,8	3,6 - 5,1

Trough silos for room height 2.0-2.2 m - frame width 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]
HP-TG20x15/16	2100	1600	1800	2.0 - 2.2	2150	3,2 - 4,6	2,1 - 3,0
HP-TG25x15/16	2600	1600	1800	2.0 - 2.2	2150	3,9 - 5,7	2,5 - 3,7
HP-TG30x15/16	3100	1600	1800	2.0 - 2.2	2650	4,8 - 7,0	3,1 - 4,5
HP-TG35x15/16	3600	1600	1800	2.0 - 2.2	3150	5,6 - 8,2	3,6 - 5,3
HP-TG45x15/16	4600	1600	1800	2.0 - 2.2	4150	6,5 - 9,5	4,2 - 6,2

Trough silos for room height 2.0-2.2 m - frame width 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]
HP-TG20x18/16	2100	1900	1800	2.0 - 2.2	2150	3,4 - 5,2	2,2 - 3,4
HP-TG25x18/16	2600	1900	1800	2.0 - 2.2	2150	4,2 - 6,4	2,7 - 4,2
HP-TG30x18/16	3100	1900	1800	2.0 - 2.2	2650	5,2 - 7,8	3,4 - 5,1
HP-TG35x18/16	3600	1900	1800	2.0 - 2.2	3150	6,1 - 9,2	4,0 - 6,0
HP-TG40x18/16	4100	1900	1800	2.0 - 2.2	3650	6,5 - 9,6	4,2 - 6,3
HP-TG45x18/16	4600	1900	1800	2.0 - 2.2	4150	7,4 - 10,9	4,8 - 7,1

Trough silos for room height 2.0-2.2 m - frame width 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]
HP-TG20x21/16	2100	2200	1800	2.0 - 2.2	2150	3,7 - 5,9	2,4 - 3,8
HP-TG25x21/16	2600	2200	1800	2.0 - 2.2	2150	4,4 - 6,9	2,9 - 4,5

PRODUCT OVERVIEW Flexilo TROUGH

Continuation

Trough silos for room height 2.0-2.2 m - frame width 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 [m³]	Tonnage [t]
HP-TG30x21/16	3100	2200	1800	2.0 - 2.2	2650	5,4 - 7,8	3,5 - 5,1
HP-TG35x21/16	3600	2200	1800	2.0 - 2.2	3150	6,4 - 9,3	4,2 - 6,0
HP-TG40x21/16	4100	2200	1800	2.0 - 2.2	3150	6,7 - 9,8	4,4 - 6,4
HP-TG45x21/16	4600	2200	1800	2.0 - 2.2	3650	7,7 - 11,2	5,0 - 7,3
Trough silos for room height 2.3-2.5 m - frame width 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 [m³]	Tonnage [t]
HP-TG20x12/19	2100	1300	2100	2.3 - 2.5	2150	3,5 - 4,4	2,3 - 2,9
HP-TG25x12/19	2600	1300	2100	2.3 - 2.5	2650	4,4 - 5,6	2,9 - 3,6
HP-TG30x12/19	3100	1300	2100	2.3 - 2.5	3150	5,3 - 6,7	3,4 - 4,3
HP-TG35x12/19	3600	1300	2100	2.3 - 2.5	3650	6,3 - 7,9	4,1 - 5,1
HP-TGP45x12/19	4600	1300	2100	2.3 - 2.5	4650	6,9 - 8,8	4,5 - 5,7
Trough silos for room height 2.3-2.5 m - frame width 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 [m³]	Tonnage [t]
HP-TG20x15/19	2100	1600	2100	2.3 - 2.5	2150	4,1 - 5,2	2,7 - 3,4
HP-TG25x15/19	2600	1600	2100	2.3 - 2.5	2150	5,0 - 6,5	3,3 - 4,2
HP-TG30x15/19	3100	1600	2100	2.3 - 2.5	2650	6,1 - 7,9	4,0 - 5,1
HP-TG35x15/19	3600	1600	2100	2.3 - 2.5	3150	7,2 - 9,2	4,7 - 6,0
HP-TG45x15/19	4600	1600	2100	2.3 - 2.5	4150	8,3 - 10,7	5,4 - 7,0
Trough silos for room height 2.3-2.5 m - frame width 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 [m³]	Tonnage [t]
HP-TG20x18/19	2100	1900	2100	2.3 - 2.5	2150	4,5 - 5,9	2,9 - 3,8
HP-TG25x18/19	2600	1900	2100	2.3 - 2.5	2150	5,6 - 7,3	3,6 - 4,7
HP-TG30x18/19	3100	1900	2100	2.3 - 2.5	2650	6,8 - 8,9	4,4 - 5,8
HP-TG35x18/19	3600	1900	2100	2.3 - 2.5	3150	8,0 - 10,5	5,2 - 6,8
HP-TG40x18/19	4100	1900	2100	2.3 - 2.5	3650	8,3 - 10,9	5,4 - 7,1
HP-TG45x18/19	4600	1900	2100	2.3 - 2.5	4150	9,5 - 12,4	6,2 - 8,1
Trough silos for room height 2.3-2.5 m - frame width 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 [m³]	Tonnage [t]
HP-TG20x21/19	2100	2200	2100	2.3 - 2.5	2150	5,0 - 6,6	3,3 - 4,3
HP-TG25x21/19	2600	2200	2100	2.3 - 2.5	2150	5,9 - 8,0	3,8 - 5,2
HP-TG30x21/19	3100	2200	2100	2.3 - 2.5	2650	7,2 - 9,7	4,7 - 6,3
HP-TG35x21/19	3600	2200	2100	2.3 - 2.5	3150	7,9 - 10,6	5,1 - 6,9
HP-TG40x21/19	4100	2200	2100	2.3 - 2.5	3150	8,9 - 12,0	5,8 - 7,8
HP-TG45x21/19	4600	2200	2100	2.3 - 2.5	3650	10,2 - 13,7	6,6 - 8,9

* Divided version

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

Delivery: 3 - 4 weeks after receipt of order and clarification of all commercial and technical details



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