

A.B.S. Flexilo MODULE

The Flexilo MODULE is a special space-saving and diverse fabric silo for wood pellets.

It is specially designed for spaces with low ceilings starting at 1.80 m in height and offers up to 60% more filling volume with the same floor space as that of a classical silo design. Due to its flexible module arrangement, this fabric tank can be optimally adapted to existing spaces and is thus the perfect solution for area rehabilitations.



SPECIAL FEATURES

Depending on the silo type, the special design of the Flexilo MODULE makes it possible to install **3, 4 or 6 modules** for suction probes – either from A.B.S. or the boiler manufacturer.

The various suction probes can be used to **completely empty the fabric tank** and thus reduce the maintenance expenditures. The owner of the heating system can either switch from one emptying module to another manually or have an automatic switching unit installed by the boiler manufacturer.

No complicated integration of the boiler control system is required. The respective automatic switching unit can be easily upgraded.

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).

Suction probes and a manual A.B.S. switching unit or an automatic switching unit provided by the boiler manufacturer are used for removal.

If the boiler manufacturer's switching unit including a suction probe is used, then the brand or manufacturer type must be specified in the query.

THE HIGHLIGHTS

- High filling volume: Up to 60% more with the same floor space
- Flexible construction and thus optimal space usage due to the module design
- 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
- Simple filling: The wood pellets are delivered by a silo truck and blown in
- 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. 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)
- Modules (without suction probes)
- Assembly instructions



IMPORTANT

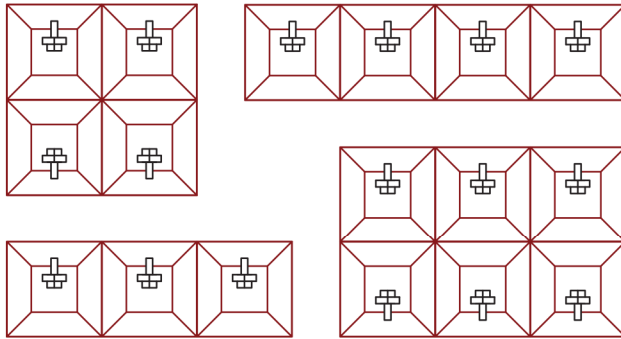
In the planning stage, please observe information provided in the chapter "Requirements for the installation site", page 3
Please observe the current Firing Ordinance applicable in your country

HIGH-GRADE MATERIALS PRACTICAL EQUIPMENT

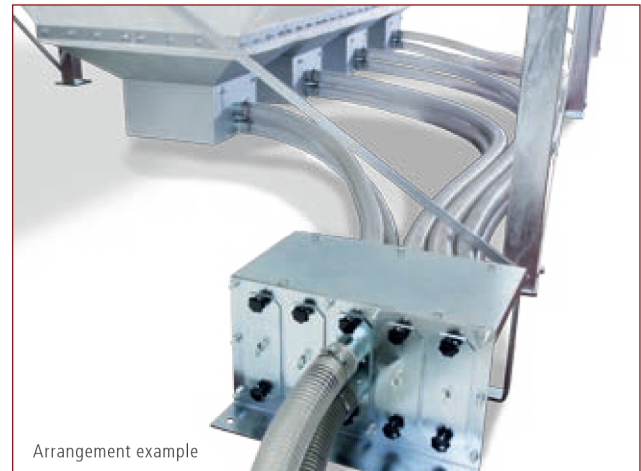
- Silo sack made of a very strong and durable high-tech fabric with permanent electrostatic dissipation, especially designed for wood pellets
- Galvanised steel frame in a connector system design for quick assembly – robust and durable
- Manual filling nozzle for commissioning or filling from bags as standard



POSSIBLE ARRANGEMENTS

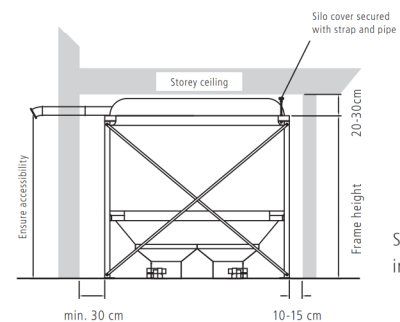
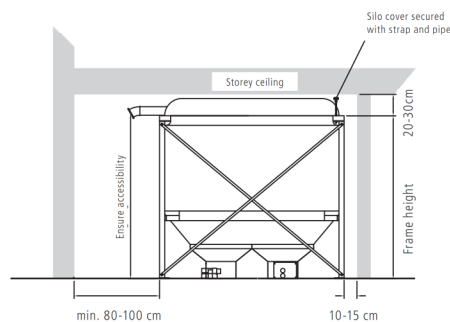


The Flexilo MODULE allows for the usage of 3, 4 or 6 modules. The modules can be arranged as illustrated above.

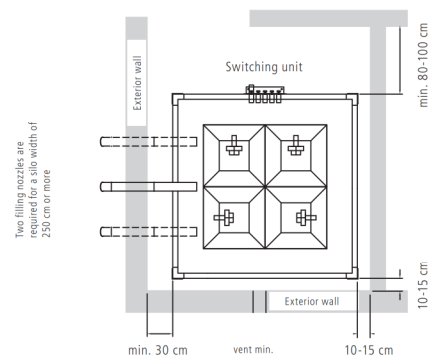
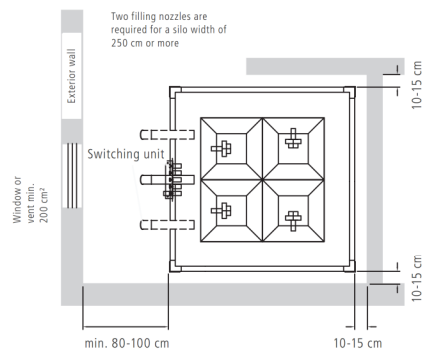


Arrangement example

INSTALLATION FLEXILO MODULE



Section silo installation



Layout silo installation

PRODUCT OVERVIEW **Flexilo MODULE**

For the optimal usage of the storage space for wood pellets



4 MODULES in a square

Flexilo MODULE for room height 1.8 - 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
HP-M18/12	1900	1900	1600	1,8 - 1,9 m	3,9 - 4,8	2,5 - 3,1	✓	
HP-M21X18/12	2200	1900	1600	1,8 - 1,9 m	4,3 - 5,3	2,8 - 3,5	✓	
HP-M21/12	2200	2200	1600	1,8 - 1,9 m	4,8 - 6,1	3,1 - 4,0	✓	
HP-M24X18/12	2500	1900	1600	1,8 - 1,9 m	4,5 - 5,8	3,0 - 3,7	✓	
HP-M24X21/12	2500	2200	1600	1,8 - 1,9 m	5,1 - 6,5	3,3 - 4,2	✓	
HP-M24/12	2500	2500	1600	1,8 - 1,9 m	5,7 - 7,3	3,7 - 4,8	✓	•
HP-M28X18/12	2900	1900	1600	1,8 - 1,9 m	4,7 - 6,2	3,1 - 4,0		
HP-M28X21/12	2900	2200	1600	1,8 - 1,9 m	5,2 - 6,9	3,4 - 4,5		
HP-M28X24/12	2900	2500	1600	1,8 - 1,9 m	5,8 - 7,7	3,8 - 5,0		•
HP-M28/12	2900	2900	1600	1,8 - 1,9 m	6,5 - 8,8	4,2 - 5,7		•

Flexilo MODULE for room height 2.0 - 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
HP-M18/14	1900	1900	1800	2,0 - 2,1 m	4,6 - 5,2	3,0 - 3,5	✓	
HP-M21X18/14	2200	1900	1800	2,0 - 2,1 m	5,0 - 6,1	3,3 - 4,0	✓	
HP-M21/14	2200	2200	1800	2,0 - 2,1 m	5,7 - 7,0	3,7 - 4,5	✓	
HP-M24X18/14	2500	1900	1800	2,0 - 2,1 m	5,4 - 6,6	3,5 - 4,3	✓	
HP-M24X21/14	2500	2200	1800	2,0 - 2,1 m	6,1 - 7,5	4,0 - 4,9	✓	
HP-M24/14	2500	2500	1800	2,0 - 2,1 m	6,8 - 8,5	4,4 - 5,5	✓	•
HP-M28X18/14	2900	1900	1800	2,0 - 2,1 m	5,7 - 7,2	3,7 - 4,7	✓	
HP-M28X21/14	2900	2200	1800	2,0 - 2,1 m	6,4 - 8,1	4,1 - 5,2	✓	
HP-M28X24/14	2900	2500	1800	2,0 - 2,1 m	7,1 - 9,0	4,6 - 5,9	✓	•
HP-M28/14	2900	2900	1800	2,0 - 2,1 m	8,1 - 10,3	5,3 - 6,7	✓	•

Flexilo MODULE for room height 2.2 - 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
HP-M18/16	1900	1900	2000	2,2 - 2,3 m	5,2 - 6,1	3,4 - 4,0	✓	
HP-M21X18/16	2200	1900	2000	2,2 - 2,3 m	5,8 - 6,8	3,8 - 4,4	✓	
HP-M21/16	2200	2200	2000	2,2 - 2,3 m	6,6 - 7,8	4,3 - 5,1	✓	
HP-M24X18/16	2500	1900	2000	2,2 - 2,3 m	6,3 - 7,5	4,1 - 4,9	✓	
HP-M24X21/16	2500	2200	2000	2,2 - 2,3 m	7,1 - 8,5	4,6 - 5,5	✓	
HP-M24/16	2500	2500	2000	2,2 - 2,3 m	8,0 - 9,6	5,2 - 6,2	✓	•
HP-M28X18/16	2900	1900	2000	2,2 - 2,3 m	6,7 - 8,2	4,4 - 5,3	✓	
HP-M28X21/16	2900	2200	2000	2,2 - 2,3 m	7,6 - 9,2	4,9 - 6,0	✓	
HP-M28X24/16	2900	2500	2000	2,2 - 2,3 m	8,5 - 10,4	5,5 - 6,7	✓	•
HP-M28/16	2900	2900	2000	2,2 - 2,3 m	9,7 - 11,9	6,3 - 7,7	✓	•



4 MODULES in a rectangle

Flexilo MODULE for room height 1.8 - 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
HP-M4R30X18/12	3100	1900	1600	1,8 - 1,9 m	5,3 - 6,9	3,5 - 4,5	✓	
HP-M4R30X21/12	3100	2200	1600	1,8 - 1,9 m	5,7 - 7,4	3,7 - 4,8	✓	
HP-M4R35X18/12	3600	1900	1600	1,8 - 1,9 m	6,0 - 7,8	3,9 - 5,0	✓	
HP-M4R35X21/12	3600	2200	1600	1,8 - 1,9 m	6,3 - 8,4	4,1 - 5,4	✓	
HP-M4R40X18/12	4100	1900	1600	1,8 - 1,9 m	6,6 - 8,6	4,3 - 5,6	✓	
HP-M4R40X21/12	4100	2200	1600	1,8 - 1,9 m	6,9 - 9,3	4,5 - 6,1	✓	

* Divided version

PRODUCT OVERVIEW Flexilo MODULE

For the optimal usage of the storage space for wood pellets

Flexilo MODULE for room height 2.0 - 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
HP-M4R30X18/14	3100	1900	1800	2,0 - 2,1 m	6,4 - 8,4	4,2 - 5,5	✓	
HP-M4R30X21/14	3100	2200	1800	2,0 - 2,1 m	6,9 - 9,3	4,5 - 6,0	✓	
HP-M4R30X24/14	3100	2500	1800	2,0 - 2,1 m	7,2 - 10,0	4,7 - 6,5	✓	
HP-M4R35X18/14	3600	1900	1800	2,0 - 2,1 m	7,2 - 9,6	4,7 - 6,2	✓	
HP-M4R35X21/14	3600	2200	1800	2,0 - 2,1 m	7,8 - 10,5	5,0 - 6,8	✓	
HP-M4R40X21/14	4100	2200	1800	2,0 - 2,1 m	8,0 - 11,1	5,2 - 7,2	✓	
HP-M4R45X18/14	4600	1900	1800	2,0 - 2,1 m	7,4 - 10,9	4,8 - 7,1	✓	
HP-M4R45X21/14	4600	2200	1800	2,0 - 2,1 m	8,4 - 11,8	5,4 - 7,7	✓	

Flexilo MODULE for room height 2.2 - 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
HP-M4R30X18/16	3100	1900	2000	2,2 - 2,3 m	7,7 - 9,5	5,0 - 6,2	✓	
HP-M4R30X21/16	3100	2200	2000	2,2 - 2,3 m	8,2 - 10,5	5,3 - 6,9	✓	
HP-M4R30X24/16	3100	2500	2000	2,2 - 2,3 m	8,7 - 11,4	5,6 - 7,4	✓	
HP-M4R35X18/16	3600	1900	2000	2,2 - 2,3 m	8,5 - 10,9	5,5 - 7,1	✓	
HP-M4R40X21/16	4100	2200	2000	2,2 - 2,3 m	9,5 - 12,5	6,2 - 8,2	✓	
HP-M4R45X18/16	4600	1900	2000	2,2 - 2,3 m	8,8 - 11,8	5,7 - 7,6	✓	
HP-M4R45X21/16	4600	2200	2000	2,2 - 2,3 m	10,0 - 13,5	6,5 - 8,8	✓	



3 MODULES in a rectangle

Flexilo MODULE for room height 1.8 - 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
HP-M3R24X18/12	2500	1900	1600	1,8 - 1,9 m	4,2 - 5,8	2,7 - 3,8	✓	
HP-M3R24X21/12	2500	2200	1600	1,8 - 1,9 m	4,4 - 6,3	2,9 - 4,1		
HP-M3R28X18/12	2900	1900	1600	1,8 - 1,9 m	4,7 - 6,6	3,1 - 4,3		
HP-M3R28X21/12	2900	2200	1600	1,8 - 1,9 m	4,9 - 7,1	3,2 - 4,6		

Flexilo MODULE for room height 2.0 - 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
HP-M3R24X18/14	2500	1900	1800	2,0 - 2,1 m	5,1 - 6,7	3,3 - 4,3	✓	
HP-M3R24X21/14	2500	2200	1800	2,0 - 2,1 m	5,4 - 7,3	3,5 - 4,8	✓	
HP-M3R24/14	2500	2500	1800	2,0 - 2,1 m	5,7 - 7,8	3,7 - 5,1	✓	
HP-M3R28X18/14	2900	1900	1800	2,0 - 2,1 m	5,7 - 7,6	3,7 - 4,9	✓	
HP-M3R28X21/14	2900	2200	1800	2,0 - 2,1 m	6,1 - 8,3	4,0 - 5,4	✓	
HP-M3R28X24/14	2900	2500	1800	2,0 - 2,1 m	6,3 - 8,9	4,1 - 5,8	✓	•

Flexilo MODULE for room height 2.2 - 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
HP-M3R24X18/16	2500	1900	2000	2,2 - 2,3 m	5,9 - 7,5	3,8 - 4,9	✓	
HP-M3R24X21/16	2500	2200	2000	2,2 - 2,3 m	6,4 - 8,3	4,2 - 5,4	✓	
HP-M3R24/16	2500	2500	2000	2,2 - 2,3 m	6,8 - 9,0	4,4 - 5,8	✓	•
HP-M3R28X18/16	2900	1900	2000	2,2 - 2,3 m	6,7 - 8,6	4,4 - 5,6	✓	
HP-M3R28X21/16	2900	2200	2000	2,2 - 2,3 m	7,3 - 9,5	4,7 - 6,2	✓	
HP-M3R28X24/16	2900	2400	2000	2,2 - 2,3 m	7,7 - 10,2	5,0 - 6,6	✓	•
HP-M3R28/16	2900	2900	2000	2,2 - 2,3 m	8,0 - 10,9	5,2 - 7,1	✓	•

* Divided version

PRODUCT OVERVIEW Flexilo MODULE

Continuation



6 MODULES in a rectangle

Flexilo MODULE for room height 1.8 - 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
HP-M6R24X18/12	2500	1800	1600	1,8 - 1,9 m	5,3 - 7,2	3,5 - 4,7	✓	
HP-M6R24X21/12	2500	2200	1600	1,8 - 1,9 m	5,9 - 8,0	3,8 - 5,2	✓	
HP-M6R24/12	2500	2500	1600	1,8 - 1,9 m	6,3 - 8,7	4,1 - 5,6	✓	•
HP-M6R28X18/12	2900	1900	1600	1,8 - 1,9 m	5,9 - 8,0	3,8 - 5,2	✓	
HP-M6R28X21/12	2900	2200	1600	1,8 - 1,9 m	6,6 - 9,0	4,3 - 5,9	✓	
HP-M6R28X24/12	2900	2500	1600	1,8 - 1,9 m	7,0 - 9,8	4,6 - 6,4	✓	•
HP-M6R28/12	2900	2900	1600	1,8 - 1,9 m	7,3 - 10,5	4,8 - 6,8	✓	•

Flexilo MODULE for room height 2.0 - 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
HP-M6R24X18/14	2500	1900	1800	2,0 - 2,1 m	6,2 - 8,0	4,0 - 5,2	✓	
HP-M6R24X21/14	2500	2200	1800	2,0 - 2,1 m	6,9 - 9,0	4,5 - 5,8	✓	
HP-M6R24/14	2500	2500	1800	2,0 - 2,1 m	7,4 - 9,8	4,8 - 6,4	✓	•
HP-M6R28X18/14	2900	1900	1800	2,0 - 2,1 m	6,9 - 9,0	4,5 - 5,8	✓	
HP-M6R28X21/14	2900	2200	1800	2,0 - 2,1 m	7,8 - 10,2	5,1 - 6,6	✓	
HP-M6R28X24/14	2900	2500	1800	2,0 - 2,1 m	8,4 - 11,1	5,4 - 7,2	✓	•
HP-M6R28/14	2900	2900	1800	2,0 - 2,1 m	8,9 - 12,1	5,8 - 7,9	✓	•

Flexilo MODULE for room height 2.2 - 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
HP-M6R24X18/16	2500	1900	2000	2,2 - 2,3 m	7,0 - 8,9	4,6 - 5,8	✓	
HP-M6R24X21/16	2500	2200	2000	2,2 - 2,3 m	7,9 - 10,0	5,1 - 6,5	✓	
HP-M6R24/16	2500	2500	2000	2,2 - 2,3 m	8,6 - 11,0	5,6 - 7,1	✓	•
HP-M6R28X18/16	2900	1900	2000	2,2 - 2,3 m	7,9 - 10,0	5,1 - 6,5	✓	
HP-M6R28X21/16	2900	2200	2000	2,2 - 2,3 m	9,0 - 11,4	5,8 - 7,4	✓	
HP-M6R28X24/16	2900	2400	2000	2,2 - 2,3 m	9,7 - 12,5	6,3 - 8,1	✓	•
HP-M6R28/16	2900	2900	2000	2,2 - 2,3 m	10,5 - 13,7	6,8 - 8,9	✓	•

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 from our MAXI fabric for a pellet boiler output of 60 kW and higher. Price on request

Our removal accessories for Flexilo MODULE can be found on page 29



Flexilo MODULE
with 4 modules
in a square



Flexilo MODULE
with 4 modules
in a rectangle

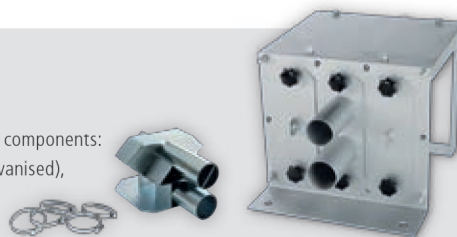
ACCESSORIES Flexilo MODULE

Triple manual switching unit (suction station)

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

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),
8 hose clamps 40-60



Triple manual switching unit (suction station)

Item no.: HP-SBH-3-50/45

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 2 blank bridges, 3 suction probes 50/45 (black),
8 hose clamps 40-60



Manual switching unit (suction station)

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

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 4 blank bridges, 4 suction probes 50/50 (galvanised),
20 hose clamps 40-60



Manual switching unit (suction station)

Item no.: HP-SBH-4-50/45

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 50/45 (black), 20 x hose clamps 40-60



Suction and return air hose Ø 50 mm

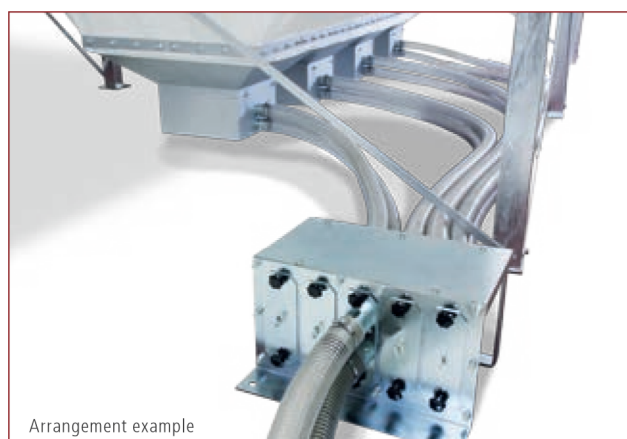
Item no.: HP-SCHLAUCH

max. 20 m in one piece

Suction hose Ø 45 mm

Item no.: HP-SCHLAUCH-45

max. 20 m in one piece



Arrangement example



IMPORTANT

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