

VOLUMMAX® VM-R1 und VM-R2

Standard for all products from company allg. Silotec GmbH!

High-Tech-fabric

- high UV-resistant fabric*
- antistatic surface available
- 6 times safety factor
- high-quality product
- can be erected outside with weather-proof cover

Dustproof

- silos are made of high-tech polyester fabric
- can be also installed in the "sensible" place

High-quality steel structure

- powder-coated in your choice of color for a high-quality surface protection
- free of solvent

Easy assembly

- prepared elements
- plug-in principle with few nuts and bolts
- simple and well-arranged assembly
- comprehensible (with photos) assembly instruction

Assembly in max. 2 hours with 2 persons, also by untrained „do-it-yourselfers“.

*White fabric in general, should be protected against UV-radiation, by covering different kinds of windows or applying a protective coat to them, which lets the light pass through, but absorbs the UV-rays. Otherwise the strength of the fabric will be reduced till 50% and more after 4.800 hours of sun rays with unforeseeable results!

Volummax® Type R1

Room height	from 1,80 m till 2,15 m	from 2,15 m till 2,50 m
Structure height	1,65 m	2,00 m
Ground space (dimensions)		
1,65 m x 1,95 m	VM-R1-165-195-165 till 5,0 m³ till 3,28 t*	VM-R1-165-195-200 till 5,9 m³ till 3,86 t
1,95 m x 2,23 m	VM-R1-165-223-165 till 6,8 m³ till 4,44 t*	VM-R1-165-223-200 till 8,1 m³ till 5,24 t*
2,23 m x 2,54 m	VM-R1-223-254-165 till 8,9 m³ till 5,78 t*	VM-R1-223-254-200 till 10,5 m³ till 6,84 t*
2,54 m x 2,68 m	VM-R1-254-268-165 till 10,4 m³ till 6,76 t*	

*Tonnage depends on available room height, blower truck drivers experience and pellet quality. Basis for our general information is a bulk dens. = 0,65 t/m³ deviation ca. +/- 10 %.

Filling from „narrow“ side of silo. From 2,54 m silo have 2 filling pipes.

Subject to technical changes (Nov. 2013)

Volummax® VM-R1 with rectangular transversal section!

Here you can use your room space for ex. in cave more effective. Here we rely upon our proved technology.



Volummax® R1

has only one discharge point.



The vibro-motor with the special discharge system - hopper will be screwed at the bottom in the middle of the silo bag on the marked positions.

Further development of Volummax® is Volummax® - R2



The rectangular Volummax® VM-R2 with transversal section!

Here is the width to length in relation 1 : 2.

Here you can find more volume and better space usage relied on our proved Volummax® technology.

Via two extraction points wood pellets will be taken from silo and transported to container. Control unit runs these two extraction points. By the way, we deliver our silos always complete. Delivery amount includes always loading tube(s) with fixations, wear protection and a discharge system. We have no „hidden price policy„!

Room height	from 1,80 m till 2,15 m	from 2,15 m till 2,50 m	
Structure height	1,65 m	2,00 m	type
Ground space (dimensions)			
1,65 m x 2,54 m	VM-R2-165-254-165 till 6,7 m³ till 4,36 t*	VM-R2-165-254-200 till 8,2 m³ till 5,35 t*	4 feet - structure
1,65 m x 3,01 m	VM-R2-165-301-165 till 8,0 m³ till 5,20 t*	VM-R2-165-301-200 till 9,7 m³ till 6,31 t*	4 feet - structure
1,95 m x 3,01 m	VM-R2-195-301-165 till 9,3 m³ till 6,05 t*	VM-R2-195-301-200 till 11,5 m³ till 7,45 t*	6 feet - structure
1,95 m x 3,25 m	VM-R2-195-325-165 till 10,1 m³ till 6,54 t*	VM-R2-195-325-200 till 12,4 m³ till 8,08 t*	4 feet - structure
1,95 m x 3,73 m	VM-R2-195-373-165 till 11,4 m³ till 7,42 t*	VM-R2-195-373-200 till 14,2 m³ till 9,23 t*	6 feet - structure
2,23 m x 3,25 m	VM-R2-223-325-165 till 11,1 m³ till 7,24 t*	VM-R2-223-325-200 till 14,1 m³ till 9,17 t*	6 feet - structure
2,23 m x 3,73 m	VM-R2-223-373-165 till 12,8 m³ till 8,35 t*	VM-R2-223-373-200 till 16,0 m³ till 10,42 t*	6 feet - structure
2,23 m x 4,29 m	VM-R2-223-429-165 till 14,8 m³ till 9,64 t*	VM-R2-223-429-200 till 18,4 m³ till 11,96 t*	6 feet - structure

We deliver you a compatible discharge system with container with all needed pipes and fixations. Of course, all in a high quality, „made in Germany“.

Here is a creative do- it- yourselfer needed!

The simplest way to make a storage for wood pellets with all advantages of an industrial one.

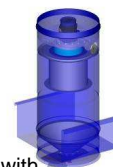
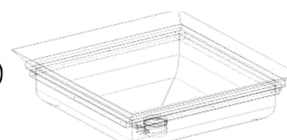
You know this problem of self-made storages: first - the choice of material, then – you are lack of something or Internet explanation doesn't correspond to the reality and "last not least" you realize only after you have installed, if it works or not.

Here is the solution, how you can use your old fuel room.

We propose a clear concept with coordinated storage components – shortly:

Once corresponds to another.

- fabric is exactly custom-tailored (with adapted loops)
- gasket seal package
- special discharge system adapted to your boiler
- connections for pneumatic discharge
- steel supporting frame to fix on the existing wall or masonry
- steel structure, if the walls are not sustainable



Aspiration unit with cyclone separator in industrial standard.



VOLUMMAX®



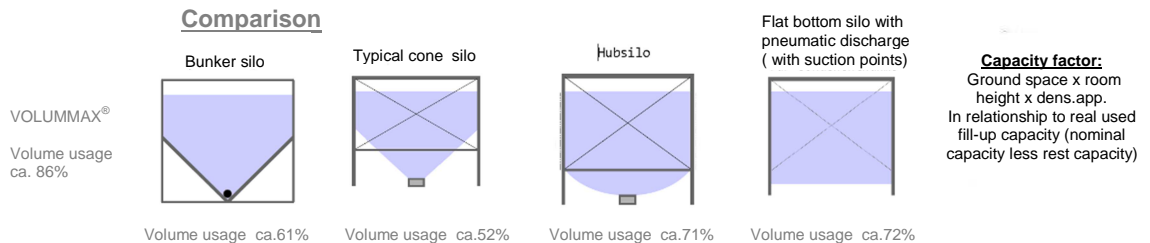
VOLUMMAX®

There are wood pellet storages, which promise „wonder“, concerning volume of the silos. But never will be completely filled or emptied. We don't promise you any wonders or theoretical possibilities, but we offer you a new proven silo, with volume usage of 86%. In comparison with other known systems, where max. 73% are possible. The secret is a new **concept** – consisting of a pneumatic discharge system and a flat bottom silo bag with max. 10° cone.

The difference:

- Flat bottom with max. 10° cone
- Innovative extraction system, which can be adapted to every pneumatic discharge system
- No need to open the silo for maintenance and revision
- By **VOLUMMAX®** all the components are accessible from the outside
- No air extraction during loading needed because of breathable fabric, therefore no CO concentration inside silo
- Wood pellets rest is max. 3% only and not 13% - 20% in comparison with other silos

VOLUMMAX®



components:

- silo with high-quality steel structure
- extraction system for most every pneumatic discharge systems
- wear protection as standard.
- loading tube with integrated earthing wire
- Storz-A coupling with cover
- inspection hatch as standard for maintenance, revision and level control

accessories (optional):

- electronic loading level measuring
- switch-over unit (automatically)
- additional container with pneumatic turbine
- extraction tube Ø 50 mm (reduction till Ø 45mm possible)



NEW! The integrated cover of the silo is made of "silo body fabric" with wear protection.

There is also VOLUMMAX® for a Do-it-Yourselfer (installation in existing cellar, under a carport, in a garage etc. possible)!

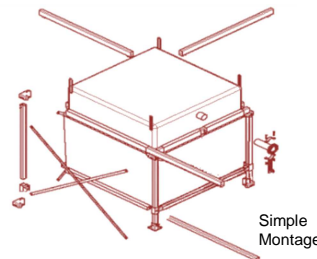
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Silo range

Silos for pellets can be only used for storage of wood pellets according to DIN 51731 and Ö-Norm M7135, diameter 6mm, till length = 30mm

VOLUMMAX® Ground space (dimensions)	Room height from 1,80 m till 2,15 m		Room height from 2,15 m till 2,50 m	
	Structure height 1,65 m		Structure height 2,00 m	
1,65 m x 1,65 m	4,0 m³	2,6 t	5,2 m³	3,3 t
1,95 m x 1,95 m	5,7 m³	3,7 t	6,9 m³	4,5 t
2,23 m x 2,23 m	7,8 m³	5,0 t	9,3 m³	6,1 t
2,54 m x 2,54 m	9,4 m³	6,1 t	11,6 m³	7,5 t

Capacity depends on the available room height, blower truck drivers experience and bulk density 0,65 t/m³. Deviations ca. +/- 10%. Subject to technical changes (stand Jan. 2014)



VOLUMMAX® is one of the high-quality innovative products of the company allg. **Silotec** GmbH.

We deliver silos with high-tech-fabric with volumes, according to customer demands till 60 t and 300 m³ for usage in

- domestic homes
- agriculture
- food industry
- industry

Other Products:

- UV-Silo®
- UV+Silo®
- Hub-Silo
- HPS - ideal storage for wood pellets
- Bunkersilo BPS - rectangular solution
- silos for industry
- GFK-Silos (glass fibre)
- HPL - storage for wood pellets for manual discharge (for pellet stove)
- silos for outside
- accessories for a do-it-yourselfer „Do-it-Yourself“ different covers, protections etc.