



Plansifter Arenit
MPAV

Highest sifting capacity for premium end products.

To achieve the highest-quality end products and best food sanitation in grain milling, a high-performing plansifter, seamlessly integrated as part of the entire process, is required. With its Arenit plansifter, Bühler has set new standards for efficient and sanitary sifting and sorting floury products in wheat mills.

Maximum flexibility in sifting, sorting and classifying

In addition to reliable sifting and sorting, the Plansifter Arenit accurately classifies floury and grain products. The Arenit can also be utilized as a powerful control sifter in flour silos before packaging and bulk loading.

The extremely sturdy framework construction provides safe operation, while the lightweight motor significantly reduces energy use. The net sieve surface of up to 84 m², with up to 26 Nova sieves per compartment, enables high sifting performance with easy cleaning and minimal maintenance. The large selection of frame types and heights offers maximum flexibility. The compact design significantly reduces the amount of space required.

Ideal for new plants and retrofits

As an integral component in the flour production process, Plansifter Arenit provides the optimal foundation for the highest product quality and efficient operation. The Arenit can be easily and quickly integrated in new plants and is also excellently suited for retrofitting existing production lines.



Plansifter Arenit: Safe sifting, sorting and classifying of floury and grain products.

The advantages at a glance:

- High sifting capacity
- Efficient sieve cleaning
- Reliable operation
- Optimal use of space

Maximum sanitation for highest product safety.



Sanitary design

The interior design of the sifter compartments of the Arenit as well as the NovaTec sieve stacks contained therein has given top priority to easy cleaning. The interior is finished in high-quality materials. All interior walls as well as the doors are generously insulated, effectively preventing the formation of condensation. Thanks to these specific design features, the use of stainless steel, and the absence of screw connections in the sieve stack, the Arenit meets the highest food safety requirements.

Easy cleaning

The product channels in Arenit Plus are easily accessible, facilitating cleaning. Sieve frames can be inserted and removed very quickly. Sturdy doors fix the sieve stacks with robust fastenings in the compartments, which can be conveniently and safely tightened using easy to operate clamps.

The advantages at a glance:

- High value performance
- Hygienic design
- High quality materials
- Generous insulation
- No screws in sieve stacks

Maximum product safety with sanitary design and easy cleaning.

Nova sieve generation for outstanding sifting efficiency.

Highest performance with optimal cleaning

The Nova sieve generation with the durable NovaPrime sieve fabric allows for maximum sieving capacity thanks to the intensive cleaning. The combined Nova cleaner for sieve fabric and sieve tray means only one cleaner is needed. Resin coated wooden frames without corrugated grills, lowwearing metal frame inserts, as well as sieve covers glued to the metal frame inserts ensure reliable operation during continuous use. The time required to clean the sieve is significantly reduced due to easy access to the cleaner.

Innovative design

The Nova cleaner, made of special plastic, moves on a center foot between the sieve and the sieve tray. Thanks to the innovative design, the cleaner simply tips on its outside feet. As a result, one foot is always on the sieve surface and two brushes are on the sieve. This allows the sieve and the sieve tray to be intensively cleaned in every corner.

The advantages at a glance:

- Large sieve area
- Efficient sieve cleaning
- Constant sieve capacity



Sturdy design for minimal downtime.

Particularly rigid frame design

The Arenit plansifter sets new sturdiness and stability standards. The entire construction was designed with the latest calculation methods for maximum loads in everyday operation. These calculations and thus the stability and reliability of the construction were confirmed in extensive running tests.

Extremely sturdy frame construction

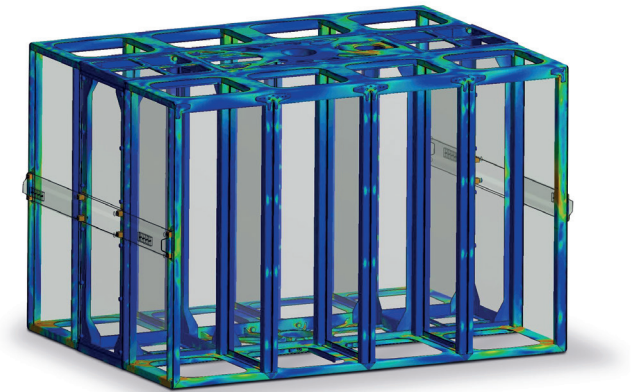
The welded sieve frames and casted drive frames are screwed together to make a fixed connection. Due to the special design of the sturdy frame construction and the specific material properties of the cast material, the frame design achieves an even higher stiffness and gives the sifter outstanding stability.

Efficient drive

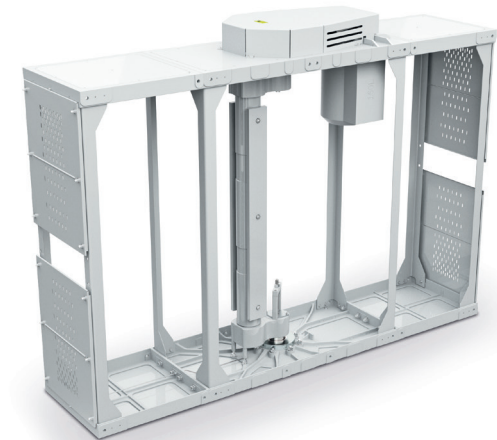
The lightweight motor reliably drives the sieve and improves energy efficiency, helping to further lower operating costs. The central swing weight in the interior can be adjusted to the required settings of the sieve hub. The robust bearing in the swing weight requires minimal maintenance.

The advantages at a glance:

- Stable, reliable construction
- Energy-efficient operation
- Low maintenance



FEM calculations for the Arenit sifter frames.



Extremely sturdy construction with a cast drive frame.

Uniform tensioning of sieve fabrics for easy operation.

The sieve tensioning device uses compressed air to ensure uniform tensioning of the sieve fabric on the sieve frame. After attaching the clamps, it simultaneously tightens the sieve in the vertical and horizontal directions.

Easy operation

The sieve tensioning device NovaTens is easy to use. Only brief training is required to operate the sieve tensioning device.

Uniform tensioning

The stable design of the NovaTens ensures uniform tensioning of sieves. This is due to its synchronized pneumatic cylinders and the rigid construction of the clamp guide.

Excellent sifting performance

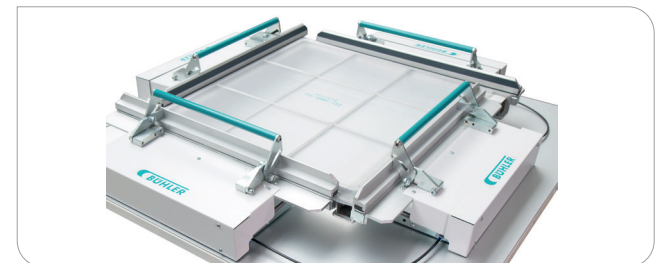
The precise and sturdy design ensures high-quality sieve tensioning, resulting in excellent sifting performance. In addition, the device requires minimal maintenance and spare parts are easy to replace.

Wide range of applications and high repeatability

NovaTens is a professional sieve tensioning device for plansifters, purifiers and other sieving and screening equipment. NovaTens is suitable for a wide range of sieve fabrics, including nylon, polyester and metal mesh.



NovaTens sieve tensioning device.



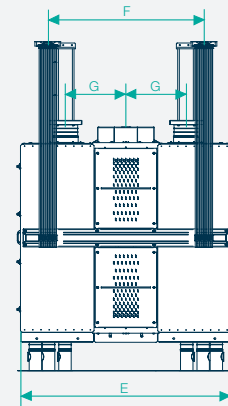
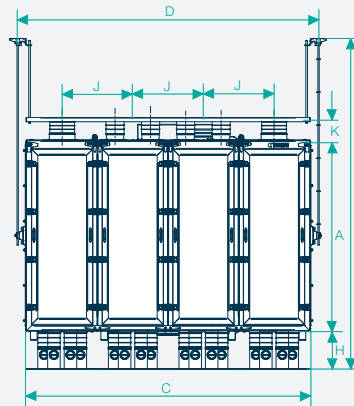
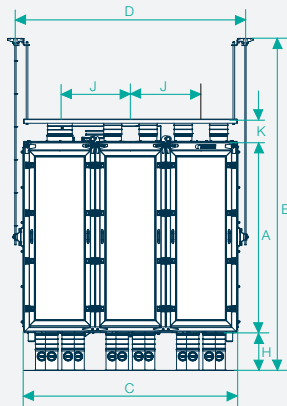
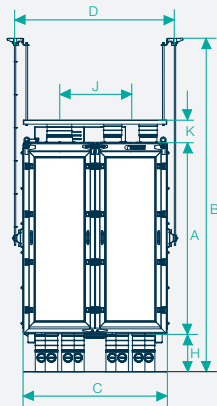
The advantages at a glance:

- Easy to operate
- Uniform tensioning
- Excellent sifting performance
- Wide range of applications and high repeatability

Broad range of products for every requirement.

The technical data of the Plansifter Arenit MPAV at a glance:

	Number of sieve compartments	Max. number of sieves per compartment	Max. net sifting surface		Engine	Approx. weight (including motor)	Volume	Dimensions									
			m ²		kw	kg	m ³	mm									
			Sieve type N	Sieve type B				A	B	C	D	E	F	G	H	J	K
MPAV-4	4	26	34.3	42.0	5.5	3150	18.5	2300	min.3420	1741	1938	2565	1900	735	470	856	280
MPAV-6	6	26	51.5	63.0	7.5	4250	25.6	2300	min.3420	2593	2793	2565	1900	735	470	856	280
MPAV-8	8	26	68.6	84.0	11	5250	32.7	2300	min.3420	3451	3648	2565	1900	735	470	856	280





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