



# SMART SOLUTIONS FOR YOUR BULK MATERIAL

VibraPad discharge aids and customised containers

# CUSTOMISED BULK MATERIAL CONTAINERS



Discharge nozzles



Control and accessories



Forklift pockets



# STAINLESS STEEL CONTAINERS

Our customised IBCs are ideal for the in-house transportation and temporary storage of your bulk material. Depending on your bulk material and its requirements, we can plan, manufacture and provide you with small containers of up to approx. 1,500 litres.

IBCs - Intermediate Bulk Containers – can be designed to suit the desired capacity, process-related requirements, transportation mountings and required additional fittings. And, of course, the containers can be also supplemented with our SGH discharge aids or other accessories.



## SMALL TEXTILE CONTAINERS

**As an alternative to our steel containers, we manufacture small transportation containers with a flexible membrane. For salts, pharmaceutical salts, coffee, granulates and pastilles and such like, even including ammonium nitrate, these containers can be used in a wide range of applications in the food, pharmaceutical and chemical industries:**

The material is a TPU-coated PES fabric with food conformity certification in accordance with EU and FDA regulations. The portable base frames are available in both stainless steel and powder-coated or galvanised steel. The frames can be stackable upon request. Choose pockets for forklift transportation or eyelets for use with a crane as required. In principle, all of our containers can be tailored to your requirements.



## STEEL CONTAINERS

**For building materials and abrasive bulk materials, we also manufacture special containers with capacities of up to approx. 1,500 litres.**

Following a thorough analysis of your requirements and the process-related conditions, we will plan and manufacture your IBC intermediate bulk containers from powder-coated steel. All accessories and additional parts can be added on an individual basis.



# VIBRAPAD DISCHARGE AIDS

## The right solution

Discharge and aeration nozzles for the food, chemical and pharmaceutical sectors and for the construction materials industry.

The entire VibraPad range is suitable for installation from inside or outside of silos. With our **protected VibraPad external** mounting, you can quickly and easily fit or retrofit existing silos from the outside.

**SCAN NOW!**

Watch the VibraPad in action:  
[www.schuettguthandling.com/en/vibrapads](http://www.schuettguthandling.com/en/vibrapads)



## How it works

SGH VibraPads offer effective support in the discharging of bulk materials that are prone to bridging or only flow with difficulty from silos, containers and hoppers. This is how they work: the pad is supplied with compressed air from the outside and this causes it to vibrate. These vibrations are transmitted to the bulk material, which then starts vibrating as well, which then loosens the product from the wall of the container.

In this way, „bridging“, which is what happens when a kind of stable vault forms above the discharge opening in such a way that the bulk material flow comes to a standstill, is avoided. In many cases, a single pulse of metered air is sufficient to get the bulk material flowing. They are not, however, designed to ensure the discharge of a specific quantity of bulk material in a specific time.

# VIBRAPAD EXTERNAL MOUNTING®

## The Original

SGH Schüttguthandling has been known for years for its quick and easy external mounting option. The legally-protected external mounting solution allows even existing silos to be fitted or retrofitted from the outside in a very short space of time. Installation into silo or container walls is a quick and easy process, making time-consuming and cost-intensive welding and assembly work a thing of the past.

In the same way, SGH VibraPads can also be removed very easily. This approach is also helpful when it comes to visual inspections, cleaning with solvents or replacing elastomer sleeves. This original and protected solution is available for almost our entire range. A sustainable investment in your asset.

### 1. Insertion



### 2. Centering



### 3. Bolting



External mounting bore	Internal mounting bore	VibraPad type	External thread	Internal thread
Ø 29 mm	Ø 14 mm	VibraPad Mini	G 1/4"	G 1/8"
Ø 50 mm	Ø 22 mm	VibraPad	G 1/2"	G 1/4"
Ø 60 mm	Ø 22 mm	VibraPad SAN	G 1/2"	G 1/4"

# VIBRAPAD Ø 100 MM

Efficient discharge aids for almost every application and in a wide range of variants.



## SILICONE

Our high standard. The durable and consistently elastic solution in white/blue.



## SILICONE DETECT

The magnetically-detectable VibraPad. FDA-compliant as a matter of course.



## SILICONE HOT

The VibraPad made of heat-stabilised silicone. For hot bulk goods up to 300°C.



## RHODORSIL

The silicone variant in grey. For hot bulk goods up to 300°C.



## EPDM

The silicone-free solution. Also FDA-compliant upon request.



## NEOPREN

The UV-resistant variant.



## VITON / FKM

An alternative for acidic products and much more.



## FFKM

The high-end solution for the pharmaceutical industry. Resistant to almost all media, both alkaline and acidic, and temperatures up to 250°C.

Pad Material	Colour	FDA	USP CLASS VI	ATEX	Max. temperature <sup>1</sup>
Silicone	white	•		•	180°C
	white	•	•	•	180°C
	blue	•		•	180°C
Silicone DETECT <sup>2</sup>	blue	•		•	180°C
Silicone HOT	red			•	300°C
EPDM	cream	•		•	125°C
	grey			•	125°C
	black			•	125°C
Neopren	black			•	125°C
Viton, FKM	black			•	200°C
Rhodorsil	grey			•	300°C
FFKM	white	•	•	•	250°C

1) short-term temperature peaks 2) magnetic pad

### Areas of application

- Goods wagons and HGVs
- Silos
- Transportation containers
- Hoppers and containers
- Dust collectors and bag emptying stations
- Filter systems

### Ventilation bolt in VA

1.4305	AISI 303	V2A
1.4301	AISI 304	V2A
1.4541	AISI 321	V2A
1.4404	AISI 316L	V4A
1.4539	AISI 904L	V5A

# VIBRAPAD MINI

## Ø 50 MM

The alternative for small containers and narrow cones.



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### SILICONE HOT

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Pad Material	Colour	FDA	USP CLASS VI	ATEX	Max. temperature <sup>1</sup>
Silicone	white	•	•	•	180°C
	white	•		•	180°C
	blue	•		•	180°C
Silicone DETECT <sup>2</sup>	blue	•		•	180°C
Silicone HOT	red			•	300°C
EPDM	cream	•		•	125°C
	grey			•	125°C
	black			•	125°C
Neopren	black			•	125°C
Viton, FKM	black			•	200°C
Rhodorsil	grey			•	300°C
FFKM	white	•	•	•	250°C

1) short-term temperature peaks 2) magnetic pad

#### Areas of application

- Narrow cones
- Pipelines
- Aspiration lines
- Filter systems

#### Ventilation bolt in VA

1.4404 AISI 316L V4A

# VIBRAPAD SAN Ø 100 MM

The new, patented discharge aids for specific hygienic requirements.



## SILICONE

The encapsulated silicone membrane for specific hygienic requirements in white/blue.

Pad Material	Colour	FDA	ATEX	Max. temperature <sup>1</sup>
Silicone	white	•	•	180°C
	blue	•	•	180°C

### Areas of application

- Goods wagons and HGVs
- Silos
- Transportation containers
- Hoppers and containers
- Dust collectors and bag emptying stations
- Filter systems

### Ventilation bolt in VA<sup>3</sup>

1.4301	AISI 304	V2A
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1) short-term temperature peaks 3) not in contact with product



## VIBRAPAD CONTROL KIT

SGH Schüttguthandling has a new, fully-pneumatic installation package for the entire VibraPad product range. The VibraPads, including all special versions and materials, can now be installed using a ready-made, turnkey control system.

### Benefits

- Minimising the expenditure of both time and energy
- Maximising the efficiency of the VibraPads
- Control of the VibraPads at self-determined intervals
- Precise product-specific regulation of function



## VIBRAPAD ACCESSORIES

### Replace, retrofit and optimise

SGH Schüttguthandling also offers matching adapters, hoses and connections for all the products supplied. VibraPads can also be retrofitted with other sleeves. With the patented external installation kit, converting the VibraPads to external mounting is also a quick and easy process. Talk to us.



# DISCOVER WHAT WE CAN DO FOR YOU:

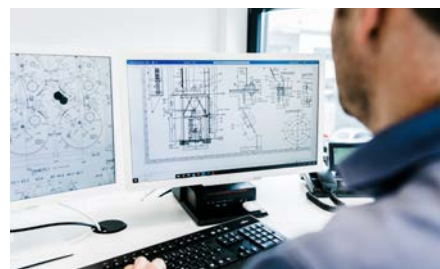
## Advice

What bulk materials do you process? How do you store them? What difficulties complicate your processes? We look forward to working with you to work out just where the discharge of your products can be optimised, making them flow reliably and smoothly. And of course, we will also support you in the positioning and ongoing use of the VibraPads, always taking your decisive parameters into account.



## Planning and development

External mounting? Strict hygiene requirements? Pharmaceutical requirements? Food conformity? Special wall thicknesses? Insulated silos? Flexible containers? Textile silos? As your partner in the industry, we are always working on new solutions for you. Look for The Original and our safe Made in Germany quality.



## Production

The strictest of requirements in terms of purity, process safety and quality? Fast and reliable solutions? And individualised? All our products are made on-site or within a 30 km radius. This means that we are able to ensure close communication and constantly critical quality controls and also to implement special solutions and small batches for you within a short space of time.



## Safety and quality

What's most important to us? Your product quality. Our products have direct contact with your bulk materials. So, for us it goes without saying that quality and safety are also our top priorities. Our approach to the ongoing processes at your site: our products are designed with maximum service life in mind.



# CONTACT

Would you like more information or to contact us in person? We look forward to your enquiry.

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**SGH**  
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