

Desiccant/silica gel

**Operating instructions/
Instructions for usage**



Introduction

Silica gel/desiccant removes moisture from the air and ensures that your valuable equipment is protected from corrosion during storage.

Please read these instructions carefully before using the desiccant. If you have any questions, please feel free to ask us for advice:

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Sicherheitshinweise

- Silica gel is not suitable for consumption.
- Avoid contact with eyes.
- Avoid contact with skin.
- Pick up any fallen silica gel immediately. There is a risk of slipping.
- Never use a microwave for regeneration.
- The temperature during regeneration must not exceed 110 °C.
- Do not expose the silica gel to a direct flame.
- Avoid direct contact with water.
- Do not attempt to crush the silica gel.
- Store unused silica gel in an airtight container.
- Be careful with contaminated silica gel.
Unwanted reactions may occur during regeneration.
- Do not place any objects on the silica gel.
- Risk of burns from hot silica gel directly after the regeneration process.

How it works

Silica gel is highly water-absorbent and absorbs the moisture contained in the air. The silica gel may be provided with a color indicator (loose goods), which shows the degree of saturation. Please refer to the respective

product description to find out which color indicates the dry state and which the saturated state.

100 g of silica gel can absorb approx. 3 g of water within 24 hours.

Usage

Silica gel is available in sachets and in bulk. For the latter, you need suitable containers, which you can find in our online shop.

The number of sachets or the amount of loose silica gel in the drying container depends on the volume to be kept dry. Rule of thumb: Use one gram of silica gel per liter of volume to be kept dry.

Important: The desiccant is not suitable for drying “dripping wet” equipment! Always allow your equipment to dry at room temperature until no more moisture is visible or perceptible and only then pack the equipment together with the recommended amount of silica gel.

Regenerating the desiccant - Warning

Attention: The instructions regarding regeneration initially refer to loose goods!

Silica gel supplied in sachets may only be regenerated if this is expressly permitted in the product description.

A microwave oven is NOT suitable for regeneration.

Regenerating the desiccant - procedure

Saturated silica gel can be regenerated in the oven.

- Dry the silica gel distributed over the surface at 90 ° to 110 °C. Make sure that the container used is suitable for this temperature. Allow 90 minutes drying time for each centimeter of pouring height.
- Adhere to the specified temperature range. Overheated silica gel is destroyed and can no longer be regenerated.

- Use heat-resistant protective gloves to remove the silica gel.
- Allow the silica gel to cool to approximately room temperature.
- Store unused silica gel in an airtight container.
- Clean the container used for drying thoroughly.