GIEBEL Adsorber®
...setting standards in aeration drying!

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Bretzfeld, 30.09.2019

Question of the month October 10/2019

How to dispose a used adsorber?

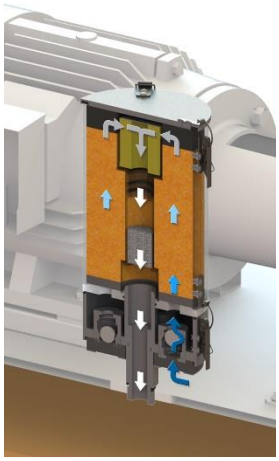
Construction of a Adsorber

All original GIEBEL Adsorber® consist of harmless and reusable materials. These include: acrylic glass, aluminum, galvanized steel, polyamide (PA), polyoxymethylene (POM), NBR, FKM, EPDM, activated carbon, silica gel orange.

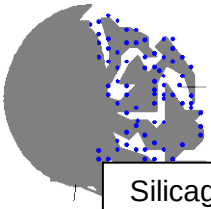
RoHS compliance: **No** pollutants are used in our products and their packaging in accordance with Directive 2011/65 / EU.

REACH conformity: **No** substances of very high concern in proportions above 0.1% are used, which the European Chemicals Agency ECHA has published according to the criteria of Art. 57 of Regulation (EC) No. 1907/2006 in the REACH regulation

Use and loading



During the use of an adsorber, the sucked ambient air is dried by the desiccant silica gel. In addition, the dirt particles are separated from the air by means of the 3µm filter and remain in the adsorber.



The adsorbed water from the air is bound to the surface of the silica gel pores and does not change the structure of the silica gel (SiO 2). A color change takes place by the the ph-change. This process does not change the structure of the silica gel

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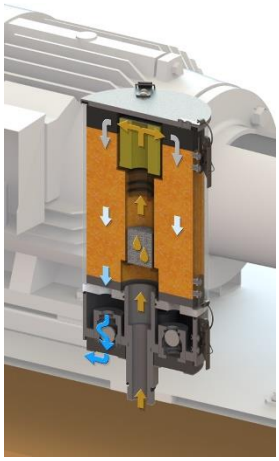

During the venting of the system fine oil particles can flow into the adsorber, which are adsorbed by the activated carbon.

Basically, the activated carbon layer in the adsorber will absorb the oil mist ("if present"). If more oil flows out of the system, the silica gel will be contaminated. This oil can no longer be removed from the silica gel.

Disposal of the components

After expiry of the period of use, the adsorber must be disposed in accordance with the relevant statutory provisions. Metal and plastic parts should be sorted and separated.

The water-laden desiccant Silica Gel Orange can be disposed with household waste. Oil-loaded components (possibly also the silica gel) must be disposed according to the specifications of the oil used, similar to oil-soaked cloths.

Refillable version

Metal plastic residual waste

Disposable version

Metal residual waste