

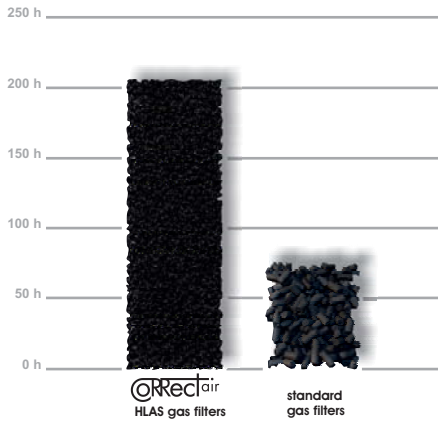


# CoRRect air HLAS gas filters

## Long service life, thanks to new absorbents

### CoRRect air HLAS - High-performance filtration

#### Service life advantage confirmed in lab tests

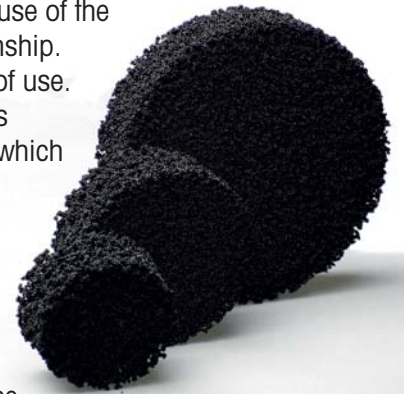


### The Plus for Your Safety - Designed by SARATECH®

CoRRect air filters from Hauser stand out because of the materials used and their high-quality workmanship. This guarantees a long service life and safety of use. With the CoRRect air HLAS ABEK-Hg, Hauser is offering, for the very first time, a filter material which has been especially developed for use in protection ventilation systems.

#### The first filter of its kind worldwide

State-of-the-art filter technology forms the basis for the CoRRect air HLAS. The basic raw material for the HLAS filter are high-performance absorbents, produced according to a special procedure. Unlike conventional active carbon absorbents, these spherical absorbents have a specifically defined pore structure, responsible for absorbing pollutants. The filter medium bonds pollutants with high efficiency due to its special structure.



For special applications, Hauser offers an impregnated version (CoRRect air HLAS ABEK-Hg) for the extraction of ammonia, mercury, acids and lyes, for example. The advantage of this model is that, due to its coating, the absorption capacity of organic pollutants (known as "VOCs") is not limited, unlike conventional ABEK active carbons.

In comparison to conventional active carbon, this material is 100% dust free and has a hard, spherical surface. It is a synthetic product, and is therefore free of chemical impurities. Its special carbon structure offers excellent absorption properties, even in an environment with high humidity levels. Thus, the protection ventilation system can also be used in humid areas over long periods of time. The special structure of the CoRRect air HLAS provides for the distribution of air in the filter. Each sphere is circulated around by the polluted air, and thus its entire surface is available for filtering the air. The especially high level of abrasion resistance of the spheres prevents the formation of dust and the active carbons from being pulverised in the event of vibrations.

#### CoRRect air HLAS - Greater safety.

Vinyl chloride is a typical landfill gas and is carcinogenic. In a test with this gas under field conditions, Hauser compared CoRRect air HLAS gas filters with standard gas filters. Research conducted by the Dutch laboratory TNO shows that the new high-performance filter has a service life of two to four times longer than that of standard filters. In tests using a realistic concentration of gases, the service life of the CoRRect air HLAS ABEK-Hg was estimated at 209 hours, while the conventional filter was found to have a service life of just 78 hours.

### CoRRect air HLAS - Advantages

- Developed especially for protection ventilation systems
- Greater safety in contaminated areas
- Lower flow resistance, therefore energy efficient
- Efficient bonding of pollutants during the entire service life, due to optimised pore system
- High degree of absorption
- Low water absorption
- 100% dust free in all applications
- No particular limit when it comes to the absorption capacity of VOCs, due to impregnation
- Each absorber sphere is circulated by air

