



ProGuard 200 Media

Designed to remove toxic, corrosive and odorous gases from air streams. Typically used in HVAC systems at refineries, steel mills, wastewater treatment plants, hospitals, museums, commercial buildings, and labs.

MEDIA COMPOSITION

ProGuard 200 chemisorbent media is a round porous pellet manufactured from activated alumina, water and impregnated with potassium permanganate. This uniquely designed pellet has potassium permanganate (KMnO_4) uniformly distributed throughout for maximum availability for reaction with target contaminants.

MEDIA ADVANTAGES

- *Low dust*
- *Very effective for a broad range of chemicals (contaminants)*
- *Nontoxic and nonhazardous*
- *Does not support bacterial growth*
- *Easy disposal*

TARGET CONTAMINANTS AND THE REMOVAL PROCESS

Contaminants are removed by adsorption, absorption and chemical reaction. Odorous gases penetrate into the core where they react with the KMnO_4 and are converted into safe, non-odorous byproducts. Many become solids and are captured on the pellet. Common contaminants include: hydrogen sulfide, sulfur dioxide, nitric oxide, formaldehyde.

ADDITIONAL MEDIA

ProMark provides a range of media that covers all gas phase filtration requirements. **ProGuard 100** is designed for ethylene and general odor control. **ProGuard 400** removes chlorine gas. **ProGuard 700** is activated coal based carbon for general odor control. **ProGuard 800** is designed for ammonia and other basic pH gases; **ProGuard 900** controls acid gases. The right media will be selected to address the specific need based upon contaminant gases present, concentration levels, airflow requirements, environmental concerns and room design considerations.

YOUR COMPLETE SOURCE FOR GAS PHASE FILTRATION

- *Media for all types of applications (KMnO_4 on alumina, plain carbon, impregnated carbon)*
- *Equipment design and supply*
- *Laboratory support, media testing, coupon analysis*
- *Monitoring instruments*
- *Technical support for application and design*



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