



ProGuard™ 300 Media

Proprietary chemistry makes PG300 the high capacity standard for potassium permanganate on alumina pellets. It removes twice as much toxic, corrosive, and odorous gases from air streams as a standard 4% pellet.

MEDIA COMPOSITION

PG300 chemisorbent media is a round porous pellet manufactured from activated alumina and water. It is impregnated with potassium permanganate and proprietary chemistry. This chemistry is uniformly distributed throughout for maximum reaction with target contaminants.

MEDIA ADVANTAGES

- *High H₂S removal capacity*
- *Destroys a wide range of chemicals, especially acids*
- *Very effective for ethylene, formaldehyde and a broad range of chemicals (contaminants)*
- *Nontoxic and nonhazardous*
- *Bacteriacide*
- *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 KMnO₄ and other chemicals 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, and 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™ 200** is designed for toxic and corrosive gases.

ProGuard™ 400 removes chlorine gas.

ProGuard™ Blend combines two ProGuard media for general odor control over the greatest range of gases. **ProGuard™ 600** is virgin, coconut shell based, granular carbon effective at removing lower molecular weight VOCs and for general odor control.

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. **Dry 208** desiccant media for air or liquid drying. 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.

COMPLETE SOURCE FOR GAS PHASE FILTRATION

- *Media for all types of applications (KMnO₄ on alumina, plain carbon, impregnated carbon)*
- *Equipment design and supply*
- *Laboratory support, media testing, coupon analysis*
- *Monitoring instruments*
- *Technical support for application and design*



**PROMARK
ASSOCIATES, INC.**

Complete Source for Gas Phase Filtration

3344 Main Street Skokie, IL 60076-2451 USA

p 847.676.1894 f 847.676.1897 toll free 800.809.8300

www.promarkassociates.com

