



ProGuard 400 Media

ProGuard 400 is specifically designed to remove chlorine contaminants from air streams. It is routinely used in HVAC systems in chemical plants, drinking water and wastewater treatment plants, and bleach plants.

MEDIA COMPOSITION

ProGuard 400 chemisorbant media is a round, porous pellet manufactured from activated alumina, water and impregnated with a proprietary chemical blend including sodium thiosulfate. This uniquely designed pellet has the chemical uniformly distributed throughout for maximum availability for reaction with target contaminants.

MEDIA ADVANTAGES

- *Low dust*
- *Non flammable*
- *Nontoxic and nonhazardous*
- *Does not support bacterial or fungal growth*
- *Easy disposal*

TARGET CONTAMINANTS AND THE REMOVAL PROCESS

Contaminants are removed by adsorption and chemical reaction. Odorous gases penetrate into the core where they react with the chemical impregnate and are converted into safe, non-odorous byproducts. Common contaminants include chlorine and chlorine dioxide.

EMERGENCY GAS SCRUBBING

ProGuard 400 is a direct replacement for media used in emergency chlorine gas scrubbers. These scrubbers are used at drinking water treatment plants to control accidental releases of chlorine gas from pressurized cylinders which have been used to chlorinate potable water.

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 Blend combines ProGuard 200 or 300 and carbon 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 replaces any alumina based 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.

YOUR 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.**
Gas Filtration Experts

2656 Broadway Ave. Evanston, IL 60201-1502 USA
p 847.866.7446 f 847.866.7795 toll free 800.809.8300

www.promarkassociates.com

