



ProGuard 900 Media

ProGuard 900 is a coal based carbon pellet impregnated to remove acid gases such as hydrogen sulfide, sulfur dioxide, and oxides of nitrogen. It is typically used in HVAC systems in refineries, paper mills, wastewater plants, steel mills, and industrial buildings to protect computers and people and remove odors.

MEDIA COMPOSITION

ProGuard 900 carbon contains the equivalent of 100 football fields of available surface area per one pound of media. The caustic impregnate is evenly distributed throughout the pellet so that it is available for reaction with contaminant gases as they pass through. This makes the media effective at removing these gases down to very low parts per billion levels.

MEDIA ADVANTAGES

- *Low dust*
- *Very effective for a broad range of acid gases*
- *Nontoxic and nonhazardous*
- *Hard, strong pellet*
- *Uniform size*
- *High surface area*

TARGET CONTAMINANTS AND THE REMOVAL PROCESS

Contaminants are removed by adsorption and chemisorption. Odorous gases are chemically changed as they pass through the pellet utilizing the full capacity. Common contaminants include: hydrogen sulfide, sulfur dioxide, nitric oxides, mercaptans, chlorine.

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 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. **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*



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