

# PureAir Filtration



## PureAir 4 Adsorbent Media

### **Description:**

PureAir 4 targets a broad range of gases which cause corrosion, odor, as well as other undesirable gases. Pure Air Filtration starts with the highest grade activated alumina. This ensures that the greatest possible adsorption capacity is reached. This alumina is then impregnated with potassium permanganate while being formed into a pellet.

Note: PureAir 8 functions in the same manner as PureAir 4, but has twice the active ingredient. Consider using PureAir 8 when service life and overall product life and cost of service is important.

### **Specifications:**

General Description: Spherical porous pellets formed from a combination of powdered activated alumina and other binders, suitably impregnated with potassium permanganate to provide optimum adsorption, absorption, and oxidation of a wide variety of gaseous contaminants.

#### Removal Capacity:

- Hydrogen Sulfide: 8% min by weight
- Sulfur Dioxide: 4% min by weight
- Nitric Oxide: 2.8% min by weight
- Formaldehyde: 1.4% min by weight

#### Manufacturing Quality Assurance Standards:

- Potassium Permanganate content: 4% minimum
- Moisture Content: 20% maximum
- Crush Strength: 10 lbs min
- Abrasion Loss: 3.0% maximum
- Nominal pellet Diameter: 1/8" (approximately 4 mm), 95% after screening
- Nominal Density: 50 lbs/ft<sup>3</sup> (0.80 g/cc)

Media Remaining Life Testing: Pure Air Filtration provides free quarterly media testing for the life of the media installation. This testing provides critical data including remaining permanganate content, total life prediction and projected replacement date. Data is provided for each of the separated components of a blend. All analyses are performed at our certified laboratory.

UL Rating: PureAir 4 meets the requirements of a UL Class 1 fire rating.

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