

# PureAir 12 Adsorbent Media



## Basic Information:

- PureAir 12 targets a broad range of gases that cause corrosion, odor, and other unwanted gases.
- PureAir Filtration starts with the highest grade activated alumina to ensure that the greatest possible adsorption capacity is reached. This alumina is then impregnated with potassium permanganate.
- PureAir Filtration adds a proprietary additive during the process in order to keep all twelve percent of the permanganate available for reaction.

PureAir 12 has been developed to have roughly 50% greater capacity than PureAir 8 media.

**Note: PureAir 12 media meets the requirements for UL certification. It has roughly three times the capacity of PureAir 4.**



General Description	Product Specifications	Removal Capability
<p>Spherical or cylindrical 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.</p>	<ul style="list-style-type: none"> <li>• Particle Size: 4mm sphere</li> <li>• Density: 800 kg/m<sup>3</sup> (50 lbs/ft<sup>3</sup>)</li> <li>• Surface Area: 350 m<sup>2</sup>/g</li> <li>• Typical Moisture Content %: 20%</li> <li>• Crush Test: 40 lbs - 60 lbs</li> <li>• Abrasion Loss %: 3% maximum</li> <li>• Relative Pressure Drop: See Curve A</li> <li>• Ignition Temperature: Non-ignitable</li> <li>• Permanganate Content: 12% minimum</li> </ul>	<ul style="list-style-type: none"> <li>• Hydrogen Sulfide: 23% by weight</li> <li>• Sulfur Dioxide: 11% by weight</li> <li>• Nitric Oxide: 8.2% by weight</li> <li>• Nitrogen Dioxide: 32% by weight</li> <li>• Formaldehyde: 4.5% by weight</li> </ul>



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