

# NOXsorb Adsorbent Media

PureAIR  
FILTRATION

## Basic Information:

- NOXsorb was developed to serve the growing worldwide concern about the health risks associated with NO<sub>x</sub> gases. This family of gases includes Nitrogen Oxide (NO), Nitrogen Dioxide (NO<sub>2</sub>), and Nitrogen Trioxide (NO<sub>3</sub>).
- The World Health Organization (WHO) has researched the health affects of NO<sub>x</sub> and indicated that 91% of the world population is living in environments where NO<sub>x</sub> has significant impact on health. Millions of lives are lost each year due to premature death related to NO<sub>x</sub> exposure. Unfortunately, traditional air purification technologies are too ineffective or impractical to make any significant improvement.
- Some technologies can remove one member of the NO<sub>x</sub> family but this only provides a minor overall improvement. NOXsorb is the only product available on the market that makes significant improvements in all NO<sub>x</sub> levels and has a high capacity for these pollutants, which results in long product life. NOXsorb has been proven to reduce NO<sub>x</sub> by 99% with very low contact time.



General Description	Product Specifications	Removal Capability
<p>NOXsorb is the only product available on the market which makes significant improvements in overall NO<sub>x</sub> levels, which results in long product life.</p>	<ul style="list-style-type: none"> <li>• Particle Size: 4mm diameter cylinder</li> <li>• Density: 576 kg/m<sup>3</sup> (36 lbs/ft<sup>3</sup>)</li> <li>• Surface Area: 1100 m<sup>2</sup>/g</li> <li>• Typical Moisture Content %: 35%</li> <li>• Crush Test: 97 lbs</li> <li>• Abrasion Loss %: 3% max</li> <li>• Relative Pressure Drop: See Curve C*</li> <li>• CTC Value: 70%</li> <li>• Iodine #: 1100 mg/g</li> <li>• Ash Content: 5% maximum</li> <li>• Butane Activity: 27% minimum</li> </ul> <p>*See Curves Details at <a href="http://pureairfiltration.com/curves/">pureairfiltration.com/curves/</a></p>	<ul style="list-style-type: none"> <li>• NO<sub>x</sub>- up to 35% by weight</li> </ul>



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