

# CPS12 Blend Chemisorbant Media

## Basic Information:

CPS12 Blend adsorbent media is a 50/50 percent blend of PureAir 12 potassium permanganate-based media and PureAir AC-X virgin bituminous activated carbon designed for the broadest range removal of corrosive, odorous, or toxic gases.

**Note: CPS12 Blend media meets the requirements for UL certification.**



General Description	Typical Properties	Removal Capability
<p>CPS12 Blend has the combined properties and benefits of PureAir 12 and activated carbon.</p> <p><b>PureAir 12:</b> 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> <p><b>PureAir AC-X:</b> Porous, cylindrical pellets of high grade bituminous activated carbon.</p>	<ul style="list-style-type: none"> <li>• Particle Size: See base products</li> <li>• Density: 640 kg/m<sup>3</sup> (40 lbs/ft<sup>3</sup>)</li> <li>• Surface Area: See base products</li> <li>• Typical Moisture Content: See base products</li> <li>• Crush Test: See base products</li> <li>• Abrasion Loss: See base products</li> <li>• Relative Pressure Drop: See Curve B*</li> <li>• Permanganate Content: 12% minimum</li> <li>• CTC Value: See base products</li> <li>• Iodine #: See base products</li> </ul> <p>*See Media Pressure Drop Curve Data on pages 111-112</p>	<ul style="list-style-type: none"> <li>• Hydrogen Sulfide: 12.0% by weight</li> <li>• Sulfur Dioxide: 10.4% by weight</li> <li>• Nitric Oxide: 2.5% by weight</li> <li>• Nitrogen Dioxide: 23.4% by weight</li> <li>• Formaldehyde: 2.1% by weight</li> </ul>

